2025 Annual Water Quality Report

Cedar Rapids Linn County Solid Waste Agency Site 1
Cedar Rapids, Iowa

January 2026

IDNR Permit No. 57-SDP-03-75C
Project I.D.: 25C051.00

Solving our clients' toughest science and engineering challenges.

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January 27, 2026

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

Re: 2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
2250 A Street SW, Cedar Rapids, IA 52404
Permit No. 57-SDP-03-75C

Dear Brian Rath:

On behalf of the Cedar Rapids Linn County Solid Waste Agency (Agency), Foth Infrastructure & Environment, LLC (Foth) is submitting the 2025 Annual Water Quality Report (AWQR) as required by Iowa Department of Natural Resources (IDNR) Permit No. 57-SDP-03-75C. The contents of this report are intended to satisfy the requirements of 567 Iowa Administrative Code (IAC) 113.10(5)c(1) and 113.10(6)d(1), related to recordkeeping and notification, and annual reporting requirements listed in IAC 113.10(10) (effective 12/10/07).

This report was prepared using the IDNR AWQR report format required by Permit Amendment #14. The Monitoring Well Maintenance and Performance Reevaluation Schedule and Summary, Leachate Control System Performance Evaluation Report (LCSPER), and Methane Monitoring Report (MMR) have been incorporated directly into the AWQR as Tables 3, 4, 11, 12, and 13.

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

Sincerely,

Foth Infrastructure & Environment, LLC

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Project Environmental Scientist
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2025 Annual Water Quality Report

Distribution

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2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1

Project ID: 25C051.00

Prepared for

Cedar Rapids Linn County Solid Waste Agency

1954 County Home Road
Marion, IA 52302

Prepared by

Foth Infrastructure & Environment, LLC

January 2026

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Certifications

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

1/27/2026
Gina Wilming (date)
Iowa G.W.P. No. 2099.

My certification renewal date is
December 31, 2027.

For the purposes of 567 Iowa Administrative Code 113.10(1)d, a "qualified groundwater scientist" means a scientist or an engineer who has received a baccalaureate or postgraduate degree in the natural sciences or engineering and has sufficient training and experience in groundwater hydrology and related fields demonstrated by state registration, professional certifications, or completion of accredited university programs that enable that individual to make sound professional judgments regarding groundwater monitoring, contaminant fate and transport, and corrective action.

I hereby certify that the Leachate Control System Performance Evaluation Report and Methane Monitoring Report were prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

1/27/2026
Brian K. Harthun (date)
Iowa P.E. No. 14049

My license renewal date is December 31, 2026.

Pages or sheets covered by this seal:
Tables 11, 12, and 13

List of Abbreviations, Acronyms, and Symbols

ACM	assessment of corrective measures
Agency	Cedar Rapids Linn County Solid Waste Agency
AWQR	Annual Water Quality Report
bTOC	below top of casing
cm/s	centimeters per second
DQR	double quantification rule
ft/ft	feet per foot
Foth	Foth Infrastructure & Environment, LLC
GWPS	groundwater protection standard
HCW	horizontal collector well
HMSP	Hydrologic Monitoring System Plan
HRG	Howard R. Green Company
IAC	Iowa Administrative Code
IDNR	Iowa Department of Natural Resources
LCSPER	Leachate Control System Performance Evaluation Report
LEL	Lower Explosive Limit
mg/L	milligrams per liter
MMR	Methane Monitoring Report
MNA	monitored natural attenuation
PQL	practical quantitation limit
SOP	standard operating procedure
SSI	statistically significant increase (over background)
SSL	statistically significant level (over GWPS)
TSS	total suspended solids

1. Executive Summary

Foth Infrastructure & Environment, LLC (Foth) was retained by the Cedar Rapids Linn County Solid Waste Agency (Agency) to provide an annual report summarizing the groundwater quality and hydrogeologic monitoring activities at Site 1 during 2025. This 2025 Annual Water Quality Report (AWQR) was prepared using the Iowa Department of Natural Resources (IDNR) AWQR report format required by Permit Amendment #14. The Monitoring Well Maintenance and Performance Reevaluation Schedule and Summary, Leachate Control System Performance Evaluation Report (LCSPER), and Methane Monitoring Report (MMR) have been incorporated directly into the AWQR as Tables 3, 4, 11, 12, and 13.

1.1 Period of Report Coverage

This AWQR presents an evaluation of the groundwater, methane monitoring, and leachate collection system monitoring, maintenance, and performance activities conducted at Site 1 for the period of January 1 through December 31, 2025.

1.2 Report Priority

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

An update on the upcoming changes to the approved groundwater remedy and water elevation monitoring is provided in Section 2.3.

Foth requests IDNR review and approval of the following:

- Amend the Permit and the Methane Monitoring Plan by adding MW-35 and MW-104A as subsurface methane monitoring locations as requested in Table 13. It is noted that waste material not connected to Site 1 was encountered at approximately 7-19 feet below ground surface during drilling at MW-104A as further discussed in the 2014 AWQR (Foth, 2015a). Although the waste material encountered at MW-104A is not associated with Site 1, it appears to be shallow, aged, and not a likely contributor to methane generation. It is also recognized that this material lies within Agency property boundaries. The initial quarterly monitoring event conducted in December 2025 did not detect methane at this well. Should methane be detected in subsequent monitoring events, the waste material at this location will be considered during the development of a methane mitigation strategy.

1.3 Site Status and Applicable Rules

Site 1 is a closed, unlined landfill located within the city limits of Cedar Rapids, Iowa. The facility is situated in Sections 27 and 34, Township 83 North, Range 7 West, in Linn County, Iowa. The landfill is situated in a former limestone and dolomite quarry adjacent to a horseshoe bend in the Cedar River. Land use in the area is urban, with nearby industrial, commercial, and residential uses. A site map depicting the characteristics of the landfill and surrounding vicinity is provided in Figure 1.

The facility includes about 95 acres, of which 76 acres have received fill materials. The waste is estimated to be 200 feet in thickness over the central portions of the disposal area and about 25 to 40 feet in thickness along its margins. The facility ceased operation on July 29, 2006. The rules in effect at the time of closure [567 Iowa Administrative Code (IAC) 113.26] were established on January 15, 2003. The closure permit (57-SDP-03-75C) was issued on September 21, 2006, and expires on September 21, 2036.

Groundwater monitoring and reporting activities were conducted in accordance with Special Provision X.6 of the closure permit (including subsequent permit amendments) and a combination of the rules in effect at the time of closure [567 IAC 113.26 (effective 1/15/03)] and the current rules (567 IAC 113.10). Details regarding the statistical methods utilized are included with the statistical reports in Appendix B. In accordance with Permit Amendment #4 and the variance granted on March 26, 2010, monitoring well

maintenance and performance was conducted in accordance with 567 IAC 113.10(2)f rather than the rules in effect at the time of closure.

Methane monitoring and reporting activities were conducted in accordance with Special Provision X.8 and 567 IAC 113.26(15)b (effective 1/15/03).

The leachate collection system monitoring, maintenance, and performance activities were conducted in accordance with Special Provision X.10 and 567 IAC 113.26(8)d (effective 1/15/03).

2. Site Background

2.1 Site History

Site 1 began operations in 1965 as an unlined landfill and was first permitted by the State of Iowa in 1975. From 1975 to July 29, 2006, the landfill operated under Sanitary Disposal Project Permit No. 57-SDP-03-75P and received municipal waste generated from residential, commercial, and industrial generators located primarily in Cedar Rapids and Linn County.

The facility ceased operation on July 29, 2006 and construction of the final cap was completed in 2007. The closure permit (57-SDP-03-75C) was issued on September 21, 2006.

In June 2008, the landfill reopened for disposal of disaster debris from the 2008 flooding (in accordance with Permit Amendment #2) and continued to accept debris until Spring 2013 (in accordance with Permit Amendment #5). The facility ceased operation in Spring 2013 and began reconstruction of the final cover. Construction of the final cover was completed in August 2013 and incorporated into the closure permit through Permit Amendment #9.

2.2 Geology and Hydrogeology

The site-specific geologic and hydrogeologic characteristics presented in this section are summarized from the November 1992 *Hydrogeologic Investigation Report* submitted by Howard R. Green Company (HRG) (HRG, 1992).

The Site 1 landfill is situated within a limestone and dolomite quarry known as the former Otis quarry. The landfill is bounded to the north and east by the Cedar River and to the south and west by residential and commercial areas. The Otis quarry was developed in the Devonian age Otis Formation, which is primarily composed of dolomite. Overburden at the landfill consists of quarry spoils, refuse, imported earth cover, Pleistocene glacial drift deposits, and Quaternary alluvium/colluvium.

The surficial stratigraphy is dominated by up to 47 feet of Cedar River alluvium. Along the eastern and northern landfill perimeters (closest to the Cedar River), alluvium directly overlies bedrock. In contrast, glacial till separates overlying alluvium from underlying pre-Wisconsin silt and sand and bedrock along the southern and western perimeters. The alluvium predominantly consists of silt and sand; however, localized zones of clay-rich alluvium are noted. A sand interval of up to 22 feet in thickness occurs in the alluvial sequence along the eastern perimeter of the landfill. Localized, thin remnants of sand-rich glacial till are also noted and appear to attain a maximum thickness of approximately 17 feet in the west-central area of the landfill.

Composed primarily of limestone and dolomite, the bedrock surface spans the Silurian age Gower Formation, the Coggon Member of the Devonian age Otis Formation, the Cedar Rapids Member of the Devonian age Otis Formation, and the Kenwood Member of the Devonian age Wapsipinicon Formation (from oldest to most recent). In the south-central portion of the landfill, where quarry excavations were the deepest, the bedrock surface consists of the Coggon Member of the Devonian age Otis Formation. The Cedar Rapids Member of the Devonian age Otis Formation is encountered in areas of the landfill where pre-landfill quarry excavations were not as deep. The Devonian age Wapsipinicon Formation is present along the landfill periphery in the south-central and north-central portions of the facility.

Two aquifers exist at Site 1: the shallow Cedar River alluvium aquifer and the Devonian-Silurian bedrock aquifer. The two aquifers exist under unconfined conditions and are hydraulically connected forming a single aquifer system which is in hydraulic connection with the Cedar River. During the hydrogeologic investigation, the water table was observed within the alluvium at only two well locations: MW-17 and MW-34. Generally, the alluvial sequence is considered relatively impermeable; however, where saturated, this sequence is hydraulically connected to the underlying bedrock aquifer and the Cedar River.

In all other locations, the water table was encountered within the bedrock aquifer, most typically in the weathered and fractured Coggon Member of the Otis Formation. Hydraulic conductivity typically ranged from $2.7x10^{-8}$ to $6.6x10^{-5}$ centimeters per second (cm/s) where the Coggon Member was not fractured or highly weathered. A hydraulic conductivity range on the order of 10^{-2} cm/s or greater was inferred for the weathered and fractured Coggon Member of the Otis Formation. Hydraulic conductivity ranged from $8.1x10^{-8}$ to $8.1x10^{-7}$ cm/s and $4.0x10^{-7}$ to $2.3x10^{-3}$ cm/s for the Cedar Rapids Member of the Otis Formation and the Silurian age Gower Formation, respectively. Again, values for weathered or fractured zones in these formations are presumed to be on the order of 10^{-2} cm/s or greater.

Groundwater levels measured in monitoring wells installed around the periphery of the landfill are consistent with the regional north-northeast groundwater flow direction toward the Cedar River. The horizontal water table gradient varied from 0.0015 feet per foot (ft/ft) to 0.1671 ft/ft, with an average gradient of 0.0281 ft/ft. The vertical recharge gradient ranged from 0.0007 ft/ft to 0.0447 ft/ft, with an average recharge gradient of 0.0112 ft/ft. The vertical discharge gradient ranged from 0.0005 to 0.0075 ft/ft, with an average discharge gradient of 0.0033 ft/ft. The horizontal gradient is approximately 2.5 times greater than the vertical recharge gradient and 8.5 times greater than the vertical discharge gradient. On average, groundwater flow is dominated by the horizontal flow component.

2.3 History of Groundwater Corrective Action

Groundwater quality assessments were conducted during 1998-2001 in response to a release of leachate. The leachate release was characterized by concentrations above the applicable health-based risk levels for 1,2-dichloroethane, 1,2-dichloropropane, dissolved arsenic, benzene, cadmium, cis-1,2-dichloroethene, nitrogen as ammonia, tetrachloroethene, trichloroethene, vinyl chloride, and dissolved zinc in the upper bedrock system and 1,2-dichloroethane, dissolved arsenic, benzene, tetrachloroethene, nitrogen as ammonia, vinyl chloride, and dissolved zinc in the deeper bedrock system. The groundwater quality assessment work was conducted in accordance with the rules in effect at the time [IAC 103.2(9)]. The reports summarizing the previously approved groundwater assessments are:

- *Groundwater Quality Assessment: Work Plan* (HRG, 1998)
- *Groundwater Quality Assessment: Final Phase I Report* (HRG, 1999)
- *Phase II Groundwater Quality Assessment Expanded Risk Assessment Documentation* (HRG, 2000)
- *Phase II Groundwater Quality Assessment Report, Volumes I & II* (HRG, 2001)

In accordance with the rules in effect at the time [IAC 103.2(9)], the selected remedy was outlined in the Risk Management Plan and Corrective Action Plan (HRG, 2001) which was approved by the IDNR and incorporated into the closure permit through Special Provision X.7. To date, remedy implementation has been conducted in accordance with the Risk Management Plan and Corrective Action Plan (HRG, 2001).

Prior to August 2008, semiannual groundwater sampling for the routine and supplemental indicator parameters was conducted in accordance with the previous rule revisions listed in IAC 113.26(15) (effective 1/15/03) and the Risk Management Plan and Corrective Action Plan (HRG, 2001). In accordance with the 2007 rule revisions, assessment monitoring for the Appendix II constituents [IAC 113.10(6)] was initiated in August 2008 due to indicator parameter control limit exceedances identified after the March 2008 sampling event (Foth, 2008). The initial Appendix II statistical evaluation identified statistically significant levels (SSLs) over the groundwater protection standards (GWPS) in the upper bedrock system (Foth, 2010a). In lieu of initiating assessment of corrective measures (ACM) under IAC 113.10(7), the *2010 AWQR* and *March 2011 Semiannual Report* (Foth, 2010b and 2011) requested IDNR

review of the previous groundwater quality assessment activities and continued implementation of the Risk Management Plan and Corrective Action Plan.

In the letter dated June 27, 2011 (IDNR, 2011), IDNR provided written concurrence that the requirements outlined in IAC 113.10(7) do not need to be repeated when previously identified contaminants are found to exceed a GWPS. However, IDNR required the Agency to conduct additional delineation activities and to submit a schedule for completing the existing remedy which demonstrates how and/or when the existing remedy will meet the following performance objectives: 1) be protective of human health and the environment, 2) attain the GWPS, 3) control the source of the release or eliminate to the maximum extent practicable to prevent further releases, and 4) comply with the standards for management of wastes.

An *Assessment Work Plan* (Foth, 2012) was prepared to outline additional activities for expansion of the background data set, for addressing horizontal and vertical delineation, and a schedule for completing a comprehensive data review (i.e., trend analysis, plume stability) to evaluate the existing remedy and determine a schedule for achieving compliance with the performance objectives. In accordance with the approved *Assessment Work Plan* (Foth, 2012), additional background and delineation monitoring wells were installed and sampled between May 2013 and September 2014. An evaluation of the effectiveness of the existing remedy and compliance with the performance requirements was submitted with the *2014 AWQR* (Foth, 2015a). The conclusions of the data evaluation recommended continued implementation of the existing remedy as outlined in the Risk Management Plan and Corrective Action Plan (HRG, 2001).

In the March 10, 2015 comment letter (IDNR, 2015), the IDNR did not yet concur with the recommendation to continue implementation of the existing remedy. IDNR requested further plume delineation but indicated that if low-flow sampling were initiated, then additional plume delineation activities could be deferred until analysis of the new data is complete.

In accordance with the *Response to DNR Comments dated March 10, 2015* letter (Foth, 2015b), a low-flow sampling and analysis program was implemented between Spring 2015 and Fall 2016. Reevaluation of the background and downgradient data sets based on the sampling methodology change was conducted during the Fall 2016 statistical evaluation. Recommendations were provided in the *Fall 2016 Statistical Notifications* letter (Foth, 2016a) and the *2016 AWQR* (Foth, 2016b). IDNR approved the recommended background and downgradient data set adjustments in the letter dated November 20, 2017 (IDNR, 2017).

Upon completion of the low-flow sampling and analysis program and reevaluation of the background and downgradient data sets, two-dimensional plume stability models were utilized to evaluate horizontal and vertical plume delineation (Foth, 2017). The results indicated that compliance with the horizontal and vertical delineation requirements have been met for nickel, thallium, and vinyl chloride. However, compliance has not been met for arsenic and cobalt. Two additional well nests (MW-108A/B and MW-109A/B) were recommended in a continued effort to meet the delineation requirements for arsenic and cobalt.

In accordance with the *Plume Delineation [IAC 113.10(6)g(1)1]* letter (Foth, 2017), upper and deeper bedrock delineation monitoring wells MW-108A, MW-108B, MW-109A, and MW-109B were installed in November 2017 to horizontally and vertically delineate the arsenic and cobalt groundwater plumes in accordance with IAC 113.10(6)g(1)1. Five rounds of baseline delineation monitoring for the Appendix I list were conducted between November 2017 and November 2018 at these locations.

In the letter dated November 20, 2017 (IDNR, 2017), IDNR commented that reevaluation of the existing source control and remedy should be conducted after review of the 2017 AWQR and a meeting with IDNR, the Agency, and the Agency's consultant has been completed. A meeting was held between IDNR, the Agency, and Foth on April 19, 2018. The meeting included a history of groundwater compliance activities at Site 1, an update on delineation progress, and discussions regarding property owner notification, remedy evaluation and implementation, and whether any post-closure care reductions could be considered (i.e., sampling optimization).

Based on the discussions and verbal approvals at the April 19, 2018 meeting, a reevaluation of the existing remedy and source control was provided in the *2018 AWQR* (Foth, 2019a). No additional delineation activities were recommended and IDNR approval to finalize completion of delineation activities at Site 1 was requested. Reevaluation of exposure pathways and receptors did not identify any new receptors and indicated that the previous risk assessment remained applicable. Reevaluation of source control suggested that the identified decrease in the number of contaminants comprising the groundwater plume along with steady to declining groundwater concentrations indicated that the leachate release is under control. In addition, steady to declining leachate elevations with no apparent correlation with precipitation supported that construction of the final cover and additional storm water controls has been effective in reducing infiltration. Based on the reevaluation results, IDNR approval to continue implementation of the existing remedy in accordance with the Risk Management Plan (HRG, 2001) was requested, along with IDNR approval of the revised remedy implementation schedule based on a monitored natural attenuation (MNA) remedy as outlined in Section 4.3 of the *2018 AWQR* (Foth, 2019a).

In the letter dated April 16, 2019, IDNR approved the revised remedy implementation schedule as shown in Section 4.3 of the *2018 AWQR* (Foth, 2019a), except for removal of MW-109B from the groundwater monitoring network (IDNR, 2019). MW-109B has been retained in the monitoring network.

In 2019, the Agency elected to hold a Public Information Meeting to provide the public an opportunity to learn more about the closed Site 1 landfill and to re-notify interested parties and property owners that directly overlie the groundwater plume. The 2019 notifications were a continuation of the historical public notification efforts regarding groundwater quality near the closed Site 1 landfill. Initial public notification was conducted through a press conference and two public meetings held in February 1998. The Agency elected to re-notify property owners that directly overlie the groundwater plume due to the length of time that had passed since the initial 1998 notifications and to be transparent. The Public Informational Meeting was held on October 17, 2019 at the National Czech & Slovak Museum & Library from 5:30 – 7:30 PM. IDNR was provided notice of the Public Informational Meeting, a figure depicting the overall extent of the groundwater plume at Site 1, a listing of property owners that were notified, and copies of the notification letters in the submittal dated October 7, 2019 (Foth, 2019b).

In July 2020, the IDNR approved the spatial and frequency optimizations detailed in “Site 1 Monitoring Optimization” (Foth, 2020b) in the Permit Amendment #16 (IDNR, 2020). The spatial optimization recommendations were initiated in Fall 2020, and the frequency optimizations were initiated in Spring 2021. The Monitoring Program Implementation Schedule provided in Table 2 of the memorandum includes the approved spatial and frequency optimizations.

A five-year review of plume stability and timeframes for remedy completion was conducted as part of *2024 AWQR* (Foth, 2025a) to quantitatively assess the progress of the MNA remedy for the groundwater plumes at Site 1 and to reevaluate plume characteristics over time. The five-year plume stability review supported continued implementation of the existing MNA remedy in accordance with the Risk Management Plan (HRG, 2001) since generally stable or declining plume conditions have been identified for arsenic, cobalt, thallium, and vinyl chloride.

On August 28, 2024, a meeting was held between IDNR, the Agency, and Foth to review the history of groundwater corrective action and to discuss upcoming changes to the approved remedy associated with the nearby industrial pumping center discontinuing alluvial well pumping and installing a horizontal collector well (HCW) to replace the alluvial wells. In addition, the status of the groundwater plumes at Site 1 was reviewed. In the email dated January 3, 2025 (IDNR, 2025a), IDNR noted that expanded modeling updates may not clarify the capture zone for the new HCW and requested development of a “plan for monitoring groundwater levels in a select set of monitoring wells with the goal of obtaining field data to visualize actual groundwater flow and compare to assumed flow from the current corrective action.” The *Corrective Action Changes - Elevation Monitoring Plan* (Foth, 2025b) was submitted on March 3, 2025 detailing a plan for recording groundwater elevations every 12 hours at MW-17, MW-20, MW-24, MW-26, MW-28, MW-101A, MW-106A, and MW-107A starting in July 2025 and continuing until six months after the HCW switchover. The IDNR approved the monitoring plan in their letter dated May 2, 2025 (IDNR,

2025b). The transducers were installed in July 2025. Foth and the Agency met with the industrial pumping center on November 10, 2025 to maintain notifications on the HCW project progress. Staff indicated that construction of the HCW is projected to be complete in June 2026, with start-up and switchover shortly after. Elevations will continue to be recorded every 12 hours in 2026 until six months after the HCW switchover. If switchover occurs mid-2026, it is anticipated that results will be evaluated in the 2026 AWQR.

3. Quality Assurance/Quality Control Summary

In 2025, field blanks, field duplicates, and trip blanks were collected and analyzed at the frequencies listed in the *Hydrologic Monitoring System Plan* (HRG, 2006). Data validation reports detailing any resampling, data qualifiers added per data validation, and an overall assessment of the data are included in Appendix A.

In 2025, the overall data assessments indicated that method criteria, precision, accuracy, representativeness, comparability, completeness, and suitability for intended use were acceptable. In 2025, resampling was conducted based on the data quality for the Spring 2025 sampling event and was considered based on the data quality for the Fall 2025 sampling event.

In Spring 2025, the laboratory extracted herbicides for MW-37 and MW-101A outside the 7-day holding time, but analyzed within the 40-day holding time. In accordance with the *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, 2020b), when herbicide samples are extracted outside the 7-day hold time and analyzed outside or within the 40-day holding time, detected pesticides are qualified J and non-detects are rejected (qualified R). Professional judgment was utilized not to qualify the non-detect herbicide results in MW-37 and MW-101A since the extraction holding time for herbicides was only slightly exceeded (i.e., <1-4 hours). Resampling was not recommended since MW-37 and MW-101A are background monitoring wells, and background monitoring for herbicides is not required for compliance with the project requirements. In addition, lead was detected in a field blank at a concentration of 0.000638 milligrams per liter (mg/L). In accordance with the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (USEPA, 2020a) for inductively coupled plasma mass spectrometry metals, when the blank concentration is greater than the practical quantitation limit (PQL), associated results greater than or equal to the PQL and less than 10x the blank concentration are qualified J+ and reported at the blank result or rejected. Professional judgement was used to reject the lead results for MW-33, MW-38, and MW-101B since the results were likely grossly biased high and not representative. MW-33 has mostly low-level lead detections and lead has not been detected in MW-33 since 2021, and MW-38 and MW-101B have not had lead detections since 2014. Resampling was recommended for MW-33 since downgradient monitoring for lead is required for compliance with the project requirements. Resampling was not recommended for MW-38 and MW-101B since they are background wells and background monitoring for lead is not required for compliance with the project requirements. As discussed in Tables 2 and 7, lead in MW-33 was resampled in June 2025.

In Fall 2025, the laboratory inadvertently stored the cyanide sample for MW-11 at room temperature. According to the National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020a) for cyanide, when aqueous samples are stored at a temperature greater than 10 degrees Celsius, non-detect cyanide results are rejected (qualified R). Cyanide was monitored at MW-11 in Fall 2025 as part of the five-year resampling for the full Appendix II list. Resampling is not recommended since Cyanide has not been detected at MW-11 during previous semiannual 5-year resampling events, no other Appendix II constituents were newly detected in Fall 2025, and cyanide has not been detected above the laboratory reporting limit at other downgradient wells at Site 1. In addition, there were multiple extraction hold time exceedances. Professional judgment was utilized not to qualify the associated results. Resampling was not recommended since the extraction holding times were only slightly exceeded and results were not rejected. The analyte/well pairs with extraction holding time exceedances were relatively low compared to the total number of results analyzed.

Starting with the August 2025 event, data validation procedures began reverting to Stage 2A Modified protocols. Under Stage 2A Modified protocols, matrix spike/matrix spike duplicate, laboratory control

sample/laboratory control sample duplicate, and laboratory duplicate results are not evaluated. The analytical laboratory evaluates these quality assurance and quality control samples and implements corrective actions or qualifies the data as warranted by their review. Stage 2A Modified protocols include reviews of the chain of custody and sample receipt, case narrative, sample condition upon receipt, completeness, holding times, method blanks, field blanks, trip blanks, surrogates, and field duplicates. An updated data validation standard operating procedure is provided in Appendix A.

3.1 Sample Turbidity

Low-flow and no purge sampling techniques were continued in 2025. The sampling methodology utilized was consistent with minimizing turbidity and total suspended solids (TSS) in the groundwater samples.

In 2025, no data set adjustments were recommended based on sample turbidity in background. Upper bedrock background wells MW-37 and MW-101A and deeper bedrock background wells MW-38 and MW-101B had TSS concentrations below the 5 mg/L level for satisfactory sample quality in 2025, except the August 2025 TSS concentration of 7.13 mg/L at MW-37, which only slightly exceeded the 5 mg/L limit. The 2025 background review indicated that turbidity is not impacting the representativeness of the background data set, and the 2025 background data is suitable for use in interwell statistical comparisons.

Several downgradient and delineation monitoring wells had TSS concentrations greater than the 5 mg/L level for satisfactory sample quality. The IDNR noted in the Unnumbered Permit Amendment (IDNR, 2014) that a TSS level of 5 mg/L may be unattainable and concluded that if extra measures were conducted, the IDNR would consider higher levels for TSS as satisfactory. No additional actions or removal of data were recommended for the downgradient and delineation monitoring wells in 2025. The following additional actions have been conducted to address turbidity: well redevelopment was conducted at wells with elevated TSS concentrations in August 2015 and low-flow or no purge sampling techniques have been utilized since the March 2015 sampling event.

Historical high-volume data at the downgradient wells continued to be reviewed on a case-by-case basis in 2025 to determine whether adjustments were recommended based on the change in sampling technique from high volume to low-flow methods. IDNR concurred with the strategy to evaluate downgradient wells on a case-by-case basis given the large number of wells and volume of data in the letter dated November 20, 2017 (IDNR, 2017). No data set adjustments were recommended for the downgradient wells in 2025.

4. Conclusions and Recommendations

4.1 2025 Data Evaluation Summary

4.1.1 Groundwater

Except for MW-26, the five-year resampling for the full Appendix II list was conducted at the assessment, corrective action, and background monitoring locations in August 2025. Except for CRL-9, MW-18, and MW-32, no new Appendix II constituents were detected above the PQL at the upper and deeper bedrock assessment and corrective action monitoring locations during the 5-year resampling event; therefore, no new constituents will be added to the detected Appendix II constituents at these locations during semiannual/annual assessment and corrective action monitoring events for the Appendix I and detected Appendix II constituents. As noted in Table 2, MW-26 will be sampled for the full Appendix II list in Fall 2028.

m/p-Cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18 were newly detected during the five-year resampling for the full Appendix II list conducted in August 2025. Since these analytes were newly detected in MW-32, CRL-9, and MW-18, retesting was recommended. Therefore, retest samples were collected for m/p-cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18 in December 2025 and analyzed in the Winter 2025 statistical evaluation. The December 2025 resample results did not confirm the single double quantification rule (DQR) detections identified during

the Fall 2025 statistical evaluation; therefore, statistically significant increases (SSIs) were not declared for m/p-cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18. m/p-Cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18 will be added as detected Appendix II constituents during semiannual/annual assessment and corrective action monitoring events for the Appendix I and detected Appendix II constituents.

Based on the 2025 data, groundwater quality generally indicates stable or declining plumes. No new upper and deeper bedrock assessment monitoring locations, assessment constituents in corrective action monitoring locations, and assessment constituents in delineation monitoring locations triggered corrective action.

Compliance with the GWPS remained for thallium in MW-20 and cobalt in MW-105A during the Fall 2025 statistical evaluation (Appendix B). As long as concentrations remain statistically below the GWPS during interim statistical evaluations, cobalt in MW-105A and thallium in MW-20 will have attained compliance the GWPS for three consecutive years after the Fall 2026 statistical evaluation and may return as assessment constituents in 2027.

Arsenic remains the most prevalent corrective action constituent with SSLs remaining above the GWPS in eleven of the upper bedrock corrective action and delineation monitoring wells and six of the deeper bedrock corrective action and delineation monitoring wells. Cobalt in AW-6, CRL-9, MW-22, MW-105B, MW-106A, and MW-109B; thallium in AW-2 and MW-109B; and vinyl chloride in MW-34 also remain as SSLs above the GWPS. As shown in Table 10, stable or decreasing trends were identified for the corrective action constituents.

4.1.2 Leachate Control System Performance

Site operations and management practices have been consistent with the regulatory intent to achieve the lowest possible leachate head levels. The leachate collection system continues to function as designed, and monthly elevations are collected to monitor short-term and long-term trends in the leachate elevation data. In 2025, no significant change to the leachate contour pattern occurred, and the variation in elevations was not correlated with precipitation. Steady to declining leachate elevations were generally observed, which, along with no apparent correlation with precipitation, supports that construction of the final cover and additional stormwater controls appears to have been effective in reducing infiltration.

A review of the average annual leachate elevations indicates stable or declining elevations at W-100, W-102, W-103, W-104, W-105, W-110, W-115, W-117, W-203, W-207, W-209, W-211, W-212, and W-219. At W-214, leachate elevation monitoring was initiated in 2024. Since only two years of data have been collected, trends are not evaluated at this time.

4.1.3 Methane

The quarterly methane monitoring results did not indicate concentrations in exceedance of 25% of the lower explosive limit (LEL) for facility structures, 100% LEL at subsurface monitoring locations, or 100% LEL for facility boundaries. Based on 567 IAC 113.26(15)b (effective 1/15/03), no action is required for this facility with regard to methane control at this time.

As discussed in Table 13, the *Methane Monitoring Action Plan & Schedule* (Foth, 2025c) proposed monitoring methane at existing locations GP-2, GP-3, GP-4, AW-1, MW-21, MW-23, and MW-24 beginning in the fourth quarter of 2025.In their letter dated November. 6, 2025 (IDNR, 2025d), the IDNR approved subsurface monitoring at GP-2, GP-3, GP-4, AW-1, MW-21, MW-23, and MW-24, and requested additional monitoring location(s) between GP-2 and the Cedar River with a revised plan submitted by December 31, 2025. An extension was requested, which was granted by the IDNR (IDNR, 2025e). To provide coverage between GP-2 and the Cedar River, MW-35 and MW-104A are proposed for addition to the subsurface methane monitoring network. Subsurface methane monitoring was conducted at approved locations GP-2, GP-3, GP-4, AW-1, MW-21, MW-23, and MW-24, and proposed locations MW-35 and MW-104A beginning in the fourth quarter, and the results are provided in Table 13. Therefore, an extension was requested,

which was granted by the IDNR (IDNR, 2025e). Subsurface monitoring was conducted at the proposed locations beginning in the fourth quarter, and the results are provided in Table 13.

As indicated in Table 13 and the Report Priority, on behalf of the Agency, Foth requests IDNR review and approval to amend the Permit and the Methane Monitoring Plan by adding MW-35 and MW-104A as subsurface methane monitoring locations.

4.2 Recommendations for Future Monitoring

On behalf of the Agency, Foth presents the following recommendations for future monitoring at Site 1:

- Continue collecting water level and well depth measurements on a semiannual basis at the HMSP-approved monitoring points.
- Continue groundwater level measurements per the *Corrective Action Changes - Elevation Monitoring Plan* (Foth, 2025b).
- Implement subsurface methane monitoring as outlined in Section 4.1.3 and Table 13.
- Continue collecting TSS samples and field turbidity measurements during sampling events in 2026.
- Continue detection, assessment, corrective action, background, and delineation monitoring as listed in Table 2.
- Continue MNA remedy implementation in accordance with the conditions set forth under Special Provision X.7 and the Risk Management Plan (HRG, 2001), and the IDNR-approved remedy implementation schedule. The updated remedy implementation schedule, reflecting the implementation actions planned, is provided in the table below.

Remedy Implementation Schedule

Estimated Completion Date	Activity
On-going – Semiannually or Annually	Continue implementation of the existing remedy in accordance with Special Provision X.7 and the Risk Management Plan (HRG, 2001).
	Continue semiannual or annual detection, assessment, and corrective action monitoring in accordance with IAC 113.10(5), (6), and (9)a and as listed in Table 2. Continue semiannual or annual delineation monitoring as listed in Table 2.
Annually (due January 31)	By January 31 of each year, submit AWQRs including an update on remedy implementation.
2026 AWQR (due January 31, 2027)	If HCW switchover occurs mid-2026 and elevations have been monitored for approximately six months after switchover, include an evaluation of groundwater elevations prior to and after HCW switchover and compare the results to the assumed flow from the currently approved remedy.
Every 5 years (Next due in 2029)	Conduct the next five-year review cycle to review plume stability and timeframes for remedy completion to quantitatively assess the progress of the MNA remedy for the groundwater plumes at Site 1 and to reevaluate plume characteristics over time.

5. References

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Tables

Table 1
Monitoring Program Summary
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Monitoring Well	Formation	Current Monitoring Program [1]	Change for Next Sampling Event	Constituents w/ SSI [2]	Constituents w/ SSL [2]	Total # of Samples in Each Monitoring Program				
						Detection	Assessment	Corrective Action	Delineation	Background
Upper Bedrock Monitoring Locations										
Downgradient Monitoring Locations										
AW-1	Limestone	Corrective Action	No Change	Chlorobenzene; Thallium	Arsenic	0	8	23	0	0
AW-2	Limestone	Corrective Action	No Change	1,1-Dichloroethane; Barium; Chlorobenzene; cis-1,2-Dichloroethene	Arsenic; Thallium	0	5	26	0	0
AW-3	Limestone	Assessment	No Change	Arsenic	None	5	27	0	0	0
AW-4	Alluvium - Sand, Silt, Clay	Assessment	No Change	Arsenic; Cadmium; Cobalt; Copper; Nickel; Silver	None	8	25	0	0	0
AW-5	Alluvium - Sand	Assessment	No Change	Arsenic; Barium; Selenium	None	3	17	11	0	0
MW-12	Dolomite	Corrective Action	No Change	1,1-Dichloroethane; 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Barium; Chlorobenzene; cis-1,2-Dichloroethene; Nickel; Thallium	Arsenic	0	6	30	0	0
MW-13	Dolomite	Corrective Action	No Change	1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Barium; Benzene; Chlorobenzene	Arsenic	0	5	31	0	0
MW-16	Limestone/Dolomite	Corrective Action	No Change	1,1-Dichloroethane; 1,4-Dichlorobenzene	Arsenic	0	8	28	0	0
MW-17	Silty/Clayey Sand & Dolomite	Corrective Action	No Change	None	Arsenic	0	6	30	0	0
MW-20	Dolomite	Corrective Action	No Change	Arsenic	None [3]	1	5	25	0	0
MW-21	Dolomite	Assessment	No Change	Thallium	None	0	31	0	0	0
MW-23	Dolomite	Assessment	No Change	Thallium	None	0	21	10	0	0
MW-24	Dolomite	Corrective Action	No Change	1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Barium; Benzene; Chlorobenzene; Nickel; Thallium	Arsenic	0	8	25	0	0
MW-26	Dolomite	Assessment	No Change	Barium	None	1	32	0	0	0
MW-28	Limestone	Assessment	No Change	Barium	None	3	28	0	0	0
MW-30	Dolomite	Corrective Action	No Change	Barium; Benzene; Chloroethane; cis-1,2-Dichloroethene	Arsenic	0	6	25	0	0
MW-32	Dolomite	Corrective Action	No Change	1,4-Dichlorobenzene; Acetone; Barium; Benzene; Chlorobenzene; Toluene	Arsenic	0	7	30	0	0
MW-34	Alluvium - Sand/ Colluvium Silt	Corrective Action	No Change	1,4-Dichlorobenzene; Acetone; Barium; Benzene; Chlorobenzene; Toluene	Arsenic; Vinyl Chloride	0	8	24	0	0
MW-35	Dolomite	Assessment [4]	No Change	Arsenic; Barium	None	0	13	17	0	0
VP-3	Limestone	Assessment	No Change	Arsenic; Barium	None	1	17	13	0	0
VP-4	Limestone	Assessment	No Change	Arsenic	None	3	28	0	0	0
Background Monitoring Locations										
MW-37	Limestone/Dolomite	Background	No Change	None	None	0	0	0	0	38
MW-101A	Glacial Drift Till - Silty Clay/ Alluvium - Sand	Background	No Change	None	None	0	0	0	0	27

Table 1
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Monitoring Well	Formation	Current Monitoring Program [1]	Change for Next Sampling Event	Constituents w/ SSI [2]	Constituents w/ SSL [2]	Total # of Samples in Each Monitoring Program				
						Detection	Assessment	Corrective Action	Delineation	Background
Upper Bedrock Monitoring Locations Continued										
Delineation Monitoring Locations										
MW-105A	Alluvium - Sand	Delineation	No Change	None	None [3]	0	0	0	22	0
MW-106A	Alluvium - Silt/Sand	Delineation	No Change	Barium	Arsenic; Cobalt	0	0	0	22	0
MW-107A	Glacial Drift Till - Silty Clay/ Alluvium - Sand	Delineation	No Change	Barium	None	0	0	0	22	0
MW-109A	Alluvium - Sand/Lean Clay	Delineation	No Change	Barium; Selenium	None	0	0	0	14	0
Deeper Bedrock Monitoring Locations										
Downgradient Monitoring Locations										
AW-6	Limestone	Corrective Action	No Change	1,1-Dichloroethane; Barium; Nickel	Cobalt	0	17	14	0	0
CRL-9	Limestone	Corrective Action	No Change	Barium; Benzene; Nickel	Arsenic; Cobalt	0	8	24	0	0
MW-11	Dolomite	Assessment	No Change	Cobalt	None	0	31	0	0	0
MW-14	Dolomite	Corrective Action	No Change	1,1-Dichloroethane; 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Barium; Benzene; Chlorobenzene; Cobalt; Nickel	Arsenic	0	8	28	0	0
MW-15	Dolomite	Assessment	No Change	Cobalt; Nickel	None	9	23	0	0	0
MW-18	Dolomite	Assessment	No Change	Arsenic; Nickel	None	7	26	0	0	0
MW-19	Dolomite	Assessment	No Change	Nickel	None	5	27	0	0	0
MW-22	Dolomite	Corrective Action	No Change	1,1-Dichloroethane; 1,4-Dichlorobenzene; Barium; Chlorobenzene; Nickel	Arsenic; Cobalt	0	8	23	0	0
MW-25	Dolomite	Assessment	No Change	Barium	None	3	28	0	0	0
MW-31	Dolomite	Detection	No Change	None	None	20	11	0	0	0
MW-33	Dolomite	Corrective Action	No Change	Barium; Chlorobenzene; Cobalt	Arsenic	0	8	29	0	0
MW-36	Limestone	Corrective Action	No Change	1,4-Dichlorobenzene; Barium; Chlorobenzene; Cobalt; Nickel	Arsenic	0	8	23	0	0
Background Monitoring Locations										
MW-38	Limestone	Background	No Change	None	None	0	0	0	0	36
MW-101B	Limestone	Background	No Change	None	None	0	0	0	0	27
Delineation Monitoring Locations										
MW-102B	Limestone	Delineation	No Change	Cobalt	None	0	0	0	20	0
MW-104B	Dolomite	Delineation	No Change	None	None	0	0	0	22	0
MW-105B	Limestone	Delineation	No Change	1,1-Dichloroethane; Arsenic; Nickel	Cobalt	0	0	0	22	0
MW-107B	Limestone/Dolomite	Delineation	No Change	Barium; Cobalt; Nickel; Thallium	None	0	0	0	22	0
MW-108B	Limestone	Delineation	No Change	Barium; Nickel	None	0	0	0	14	0
MW-109B	Limestone/Dolomite	Delineation	No Change	1,4-Dichlorobenzene; Barium; Chlorobenzene; Nickel	Arsenic; Cobalt; Thallium	0	0	0	19	0

Table 1
Monitoring Program Summary
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Comments:

N/A= not applicable

(1) Current Monitoring Program is from the last event the location was sampled (i.e., Fall 2025 event).

(2) SSIs and SSLs are from the Fall 2025 statistical evaluation.

(3) As discussed in Table 8, compliance with the GWPS was achieved for thallium in MW-20 and cobalt in MW-105A starting with the Fall 2024 statistical evaluation, and remained during the current statistical evaluation. Therefore, SSLs were not listed for these corrective action constituents.

(4) In accordance with 567 IAC 113.10(9)e(2), cobalt in MW-35 returned to an assessment constituent in 2025 since compliance with the GWPS was maintained for three consecutive years. Since cobalt was the only corrective action constituent in MW-35, MW-35 returned to an assessment monitoring location.

Table 2
Monitoring Program Implementation Schedule
2025 Annual Water Quality Report
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Permit No. 57-SDP-03-75C

Monitoring Well	Monitoring Program	Sampling Date and Constituents [1,2]				Upcoming Sampling Dates and Constituents [2]		Full Appendix II Sample Dates	
		Mar. 2025	Jun. 2025	Aug. 2025	Dec. 2025	Spring 2026	Fall 2026	Previously Collected	Next Event
Upper Bedrock Monitoring Locations									
Downgradient Monitoring Locations									
AW-1	Corrective Action			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
AW-2	Corrective Action			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
AW-3	Assessment			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Mar. 2016, Jun. 2016, Aug. 2020, Aug. 2025	Fall 2030
AW-4	Assessment			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Mar. 2016, Jun. 2016, Aug. 2020, Aug. 2025	Fall 2030
AW-5	Assessment			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-12	Corrective Action	Appendix II, TSS		Full Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-13	Corrective Action	Appendix II, TSS		Full Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-16	Corrective Action	Appendix II, TSS		Full Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-17	Corrective Action	Appendix II, TSS		Full Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-20	Corrective Action			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-21	Assessment			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-23	Assessment			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-24	Corrective Action			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-26	Assessment			Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Jan. 2023, Mar. 2023	Fall 2028
MW-28	Assessment			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-30	Corrective Action			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-32	Corrective Action	Appendix II, TSS		Full Appendix II, TSS	m/p-Cresol [3]	Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-34	Corrective Action			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030

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Monitoring Well	Monitoring Program	Sampling Date and Constituents [1,2]				Upcoming Sampling Dates and Constituents [2]		Full Appendix II Sample Dates	
		Mar. 2025	Jun. 2025	Aug. 2025	Dec. 2025	Spring 2026	Fall 2026	Previously Collected	Next Event
Upper Bedrock Monitoring Locations Continued									
Downgradient Monitoring Locations Continued									
MW-35	Assessment [4]			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
VP-3	Assessment			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
VP-4	Assessment			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Jul. 2019, Sep. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
Background Monitoring Locations									
MW-37	Background	Appendix II, TSS		Full Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2015, Sep. 2015, Mar. 2016, Aug. 2020, Aug. 2025	Fall 2030
MW-101A	Background	Appendix II, TSS		Full Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Oct. 2015, Mar. 2016, Aug. 2020, Aug. 2025	Fall 2030
Delineation Monitoring Locations									
MW-105A	Delineation			Appendix I, TSS			Appendix I, TSS	N/A - Delineation Monitoring	N/A
MW-106A	Delineation			Appendix I, TSS			Appendix I, TSS	N/A - Delineation Monitoring	N/A
MW-107A	Delineation			Appendix I, TSS			Appendix I, TSS	N/A - Delineation Monitoring	N/A
MW-109A	Delineation			Appendix I, TSS			Appendix I, TSS	N/A - Delineation Monitoring	N/A
Deeper Bedrock Monitoring Locations									
Downgradient Monitoring Locations									
AW-6	Corrective Action			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
CRL-9	Corrective Action			Full Appendix II, TSS	o-Toluidine, Sulfide [3]		Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-11	Assessment			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-14	Corrective Action	Appendix II, TSS		Full Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sept. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-15	Assessment			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Jun. 2016, Aug. 2016, Aug. 2020, Aug. 2025	Fall 2030
MW-18	Assessment			Full Appendix II, TSS	Methoxychlor [3]		Appendix II, TSS	Aug. 2008, Mar. 2009, Jul. 2015, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-19	Assessment			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Jul. 2015, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-22	Corrective Action			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030

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Monitoring Well	Monitoring Program	Sampling Date and Constituents [1,2]				Upcoming Sampling Dates and Constituents [2]		Full Appendix II Sample Dates	
		Mar. 2025	Jun. 2025	Aug. 2025	Dec. 2025	Spring 2026	Fall 2026	Previously Collected	Next Event
Deeper Bedrock Monitoring Locations Continued									
Downgradient Monitoring Locations Continued									
MW-25	Assessment			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-31	Detection			Appendix I, TSS			Appendix I, TSS	Aug. 2008, Mar. 2009	N/A
MW-33	Corrective Action	Appendix II, TSS	Lead, TSS [5]	Full Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
MW-36	Corrective Action			Full Appendix II, TSS			Appendix II, TSS	Aug. 2008, Mar. 2009, Sep. 2010, Sep. 2015, Aug. 2020, Aug. 2025	Fall 2030
Background Monitoring Locations									
MW-38	Background	Appendix II, TSS		Full Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	2015, Mar. 2016, Aug. 2016, Aug. 2020, Aug. 2025	Fall 2030
MW-101B	Background	Appendix II, TSS		Full Appendix II, TSS		Appendix II, TSS	Appendix II, TSS	Sep. 2015, Mar. 2016, Sep. 2016, Aug. 2020, Aug. 2025	Fall 2030
Delineation Monitoring Locations									
MW-102B	Delineation			Appendix I, TSS			Appendix I, TSS	N/A - Delineation Monitoring	N/A
MW-104B	Delineation			Arsenic, TSS [6]			Arsenic, TSS [6]	N/A - Delineation Monitoring	N/A
MW-105B	Delineation			Appendix I, TSS			Appendix I, TSS	N/A - Delineation Monitoring	N/A
MW-107B	Delineation			Appendix I, TSS			Appendix I, TSS	N/A - Delineation Monitoring	N/A
MW-108B	Delineation			Appendix I without Cobalt, TSS [7]			Appendix I without Cobalt, TSS [7]	N/A - Delineation Monitoring	N/A
MW-109B	Delineation	Appendix I, TSS		Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	N/A - Delineation Monitoring	N/A

Comments:

N/A = Not Applicable

TBD = to be determined

[1] In Mar. and Aug. 2025, semiannual corrective action, background, and delineation monitoring were continued at upper bedrock wells MW-12, MW-13, MW-16, MW-17, MW-32, MW-37, and MW-101A and deeper bedrock wells MW-14, MW-33, MW-38, MW-101B, and MW-109B. In Jun. 2025, a retest sample was collected for lead in MW-33. More information is provided in footnote (5) regarding the Jun. 2025 retest. In accordance with Permit Amendment #16, annual detection, assessment, corrective action, and delineation monitoring were also conducted in Aug. 2025 at upper bedrock wells AW-1, AW-2, AW-3, AW-4, AW-5, MW-20, MW-21, MW-23, MW-24, MW-26, MW-28, MW-30, MW-34, MW-35, VP-3, VP-4, MW-105A, MW-106A, MW-107A, and MW-109A and deeper bedrock wells AW-6, CRL-9, MW-11, MW-15, MW-18, MW-19, MW-22, MW-25, MW-31, MW-36, MW-102B, MW-104B, MW-105B, MW-107B, and MW-108B. Retest samples for m/p-cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18 were collected in Dec. 2025. More information is provided in footnote (3) regarding the retests.

[2] Except for MW-26, the five-year resampling for the full Appendix II list was conducted at the assessment, corrective action, and background monitoring locations in Aug. 2025. MW-26 was sampled for the Appendix I and detected Appendix II constituents in Aug. 2025. In 2026, the Appendix II locations will be sampled for the Appendix I and detected Appendix II constituents. Except as detailed in footnote (3) for CRL-9, MW-18, and MW-32, no new Appendix II constituents were detected above the practical quantitation limit (PQL) for the assessment, corrective action, and background monitoring locations during the five-year resampling event for the full Appendix II list. Therefore, no new constituents will be added to the detected Appendix II constituents for the remaining assessment, corrective action, and background monitoring locations.

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Comments Continued:

(3) m/p-Cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18 were newly detected during the five-year resampling for the full Appendix II list conducted in Aug. 2025. Since these analytes were newly detected in MW-32, CRL-9, and MW-18, retesting was recommended. Therefore, retest samples were collected for m/p-cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18 in Dec. 2025 and analyzed in the Winter 2025 statistical evaluation (Appendix B). As discussed in Table 7, the Dec. 2025 resample results did not confirm the single double quantification rule (DQR) detections identified during the Fall 2025 statistical evaluation; therefore, statistically significant increases (SSIs) were not declared for m/p-cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18. m/p-Cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18 will be added as detected Appendix II constituents during semiannual/annual assessment and corrective action monitoring events for the Appendix I and detected Appendix II constituents.

(4) As noted in the Spring 2025 Statistical Notifications *(* Appendix B), cobalt in MW-35 returned to an assessment constituent in 2025 in accordance with 567 IAC 113.10(9)e(2) since compliance with the GWPS was maintained for three consecutive years. Since cobalt was the only corrective action constituent in MW-35, MW-35 returned to an assessment monitoring location.

(5) As further detailed in the Spring 2025 data validation report (Appendix A), the Mar. 2025 lead results for MW-33, MW-38, and MW-101 were rejected due to the associated field blank detection; therefore, resampling was recommended for lead at MW-33. Resampling was not recommended for MW-38 and MW-101B since they are background wells. A retest sample was collected for lead at MW-33 in Jun. 2025 and analyzed in the Summer 2025 statistical evaluation (Appendix B). As discussed in Table 8, an SSI was not identified for lead in MW-33.

(6) The Iowa Department of Natural Resources (IDNR) approved retaining MW-104B as an arsenic delineation monitoring well in the letter dated May 12, 2016 (IDNR, 2016).

(7) The IDNR approved the removal of cobalt from the list of analytes at MW-108B in the letter dated April 16, 2019 (IDNR, 2019).

Table 3
Monitoring Well Maintenance and Performance Reevaluation Schedule
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Compliance with:	Monitoring Calendar Years											
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
567 IAC 113.10(2)"f"(1): High and low water levels (semiannual)	Completed		Completed		Completed		Completed		Completed		Completed	
567 IAC 113.10(2)"f"(2): Changes in the hydrologic setting and flow paths	Completed		Completed		Completed		Completed		Completed		Completed	
567 IAC 113.10(2)"f"(3): Well depths	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Scheduled
567 IAC 113.10(2)"f"(4)" Well recharge rates and chemistry	Completed		Completed		Completed		Completed		Completed		Completed	
567 IAC 113.6(2)"i": Waste separation from ground water	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Comments:

• In accordance with Permit Amendment #4 and the variance granted on March 26, 2010, monitoring well maintenance and performance is conducted in accordance with 567 IAC 113.10(2)"f" rather than the rules in effect at the time of closure.

• Groundwater elevations and measured well depths are shown on Table 4 and the field sampling forms in Appendix A.

• 567 IAC 113.6(2)"i" is not applicable. Site 1 is a closed, unlined landfill. The rules in effect at the time of closure were 567 IAC 113.26 (effective 1/15/03).

Table 4
Monitoring Well Maintenance and Performance Summary
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Well	Top of Casing (feet amsl)	Top of Screen (feet amsl)	Total Depth (feet bTOC)	Measurement Description	Date of Measurements						Maximum Depth Discrepancy (feet)	Maximum GW Fluctuation (feet)
					Mar. 2024	Aug. 2024	Mar. 2025	Jun. 2025	Aug. 2025	Dec. 2025		
Upper Bedrock Monitoring Locations												
Downgradient Monitoring Locations												
AW-1	739.51	711.84	47.67	Groundwater Level (feet bTOC)	36.83	32.87	35.22		30.47		-0.38	6.36
				Groundwater Elevation (feet amsl)	702.68	706.64	704.29		709.04			
				Measured Well Depth (feet bTOC)	48.00	48.00	N/A		48.05			
				Submerged Screen	N	N	N		N			
AW-2	788.18	710.60	97.58	Groundwater Level (feet bTOC)	77.77	77.50	77.52		76.35		0.18	1.42
				Groundwater Elevation (feet amsl)	710.41	710.68	710.66		711.83			
				Measured Well Depth (feet bTOC)	97.50	97.50	N/A		97.40			
				Submerged Screen	N	Y	Y		Y			
AW-3	799.31	711.70	107.61	Groundwater Level (feet bTOC)	92.07	90.49	91.32		89.67		-0.39	2.40
				Groundwater Elevation (feet amsl)	707.24	708.82	707.99		709.64			
				Measured Well Depth (feet bTOC)	107.90	107.90	N/A		108.00			
				Submerged Screen	N	N	N		N			
AW-4	725.76	712.44	33.32	Groundwater Level (feet bTOC)	24.77	22.08	23.70		16.45		0.22	8.32
				Groundwater Elevation (feet amsl)	700.99	703.68	702.06		709.31			
				Measured Well Depth (feet bTOC)	33.10	33.10	N/A		33.10			
				Submerged Screen	N	N	N		N			
AW-5	721.33	711.44	29.89	Groundwater Level (feet bTOC)	20.26	17.28	19.10		14.50		-0.36	5.76
				Groundwater Elevation (feet amsl)	701.07	704.05	702.23		706.83			
				Measured Well Depth (feet bTOC)	30.25	30.25	N/A		30.15			
				Submerged Screen	N	N	N		N			
MW-12	745.37	708.84	46.53	Groundwater Level (feet bTOC)	41.00	37.85	39.63		37.27		-0.32	3.73
				Groundwater Elevation (feet amsl)	704.37	707.52	705.74		708.10			
				Measured Well Depth (feet bTOC)	46.80	46.80	46.85		46.80			
				Submerged Screen	N	N	N		N			
MW-13	740.99	714.16	41.83	Groundwater Level (feet bTOC)	36.45	32.58	34.23		32.71		-0.32	3.87
				Groundwater Elevation (feet amsl)	704.54	708.41	706.76		708.28			
				Measured Well Depth (feet bTOC)	42.15	42.15	42.15		42.10			
				Submerged Screen	N	N	N		N			
MW-16	737.92	711.67	41.25	Groundwater Level (feet bTOC)	34.55	30.38	31.43		29.16		-0.25	5.39
				Groundwater Elevation (feet amsl)	703.37	707.54	706.49		708.76			
				Measured Well Depth (feet bTOC)	41.50	41.50	41.50		41.45			
				Submerged Screen	N	N	N		N			

Table 4
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Well	Top of Casing (feet amsl)	Top of Screen (feet amsl)	Total Depth (feet bTOC)	Measurement Description	Date of Measurements						Maximum Depth Discrepancy (feet)	Maximum GW Fluctuation (feet)
					Mar. 2024	Aug. 2024	Mar. 2025	Jun. 2025	Aug. 2025	Dec. 2025		
Upper Bedrock Monitoring Locations Continued												
Downgradient Monitoring Locations Continued												
MW-17	736.68	709.99	36.69	Groundwater Level (feet bTOC)	29.05	23.47	23.87		25.09		-0.21	5.58
				Groundwater Elevation (feet amsl)	707.63	713.21	712.81		711.59			
				Measured Well Depth (feet bTOC)	36.90	36.90	36.90		36.90			
				Submerged Screen	N	Y	Y		Y			
MW-20	723.48	706.73 (1)	26.75 (1)	Groundwater Level (feet bTOC)	22.15	19.79	20.87		15.81		0.25	6.34
				Groundwater Elevation (feet amsl)	701.33	703.69	702.61		707.67			
				Measured Well Depth (feet bTOC)	26.50	26.50	N/A		26.50			
				Submerged Screen	N	N	N		Y			
MW-21	732.88	706.93 (2)	36.50 (2)	Groundwater Level (feet bTOC)	31.24	28.47	29.89		24.91		0.60	6.33
				Groundwater Elevation (feet amsl)	701.64	704.41	702.99		707.97			
				Measured Well Depth (feet bTOC)	35.90	35.90	N/A		35.90			
				Submerged Screen	N	N	N		Y			
MW-23	736.74	712.29	39.45	Groundwater Level (feet bTOC)	34.77	31.59	33.28		28.41		-0.05	6.36
				Groundwater Elevation (feet amsl)	701.97	705.15	703.46		708.33			
				Measured Well Depth (feet bTOC)	39.50	39.50	N/A		39.50			
				Submerged Screen	N	N	N		N			
MW-24	785.70	707.00 (1)	88.70 (1)	Groundwater Level (feet bTOC)	81.27	78.12	79.82		75.89		-0.30	5.38
				Groundwater Elevation (feet amsl)	704.43	707.58	705.88		709.81			
				Measured Well Depth (feet bTOC)	89.00	89.00	N/A		89.00			
				Submerged Screen	N	Y	N		Y			
MW-26	811.58	716.70	109.88	Groundwater Level (feet bTOC)	104.00	102.34	103.58		101.31		-1.52	2.69
				Groundwater Elevation (feet amsl)	707.58	709.24	708.00		710.27			
				Measured Well Depth (feet bTOC)	111.35	111.35	N/A		111.40			
				Submerged Screen	N	N	N		N			
MW-28	816.62	715.46	116.16	Groundwater Level (feet bTOC)	109.82	108.17	109.25		107.38		-1.04	2.44
				Groundwater Elevation (feet amsl)	706.80	708.45	707.37		709.24			
				Measured Well Depth (feet bTOC)	117.15	117.15	N/A		117.20			
				Submerged Screen	N	N	N		N			
MW-30	790.98	712.40	88.58	Groundwater Level (feet bTOC)	83.23	81.66	82.46		80.69		-1.02	2.54
				Groundwater Elevation (feet amsl)	707.75	709.32	708.52		710.29			
				Measured Well Depth (feet bTOC)	89.60	89.60	N/A		89.60			
				Submerged Screen	N	N	N		N			

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Well	Top of Casing (feet amsl)	Top of Screen (feet amsl)	Total Depth (feet bTOC)	Measurement Description	Date of Measurements						Maximum Depth Discrepancy (feet)	Maximum GW Fluctuation (feet)
					Mar. 2024	Aug. 2024	Mar. 2025	Jun. 2025	Aug. 2025	Dec. 2025		
Upper Bedrock Monitoring Locations Continued												
Downgradient Monitoring Locations Continued												
MW-32	749.01	713.62	55.62	Groundwater Level (feet bTOC)	47.18	44.58	45.87		42.54	46.14	-0.23	4.64
				Groundwater Elevation (feet amsl)	701.83	704.43	703.14		706.47	702.87		
				Measured Well Depth (feet bTOC)	55.80	55.80	55.80		55.85	55.85		
				Submerged Screen	N	N	N		N	N		
MW-34	748.72	708.91	49.81	Groundwater Level (feet bTOC)	45.65	42.63	44.49		41.12		0.51	4.53
				Groundwater Elevation (feet amsl)	703.07	706.09	704.23		707.60			
				Measured Well Depth (feet bTOC)	49.50	49.50	N/A		49.30			
				Submerged Screen	N	N	N		N			
MW-35	744.89	711.04	43.85	Groundwater Level (feet bTOC)	42.58	40.02	41.33		38.00		-1.55	4.58
				Groundwater Elevation (feet amsl)	702.31	704.87	703.56		706.89			
				Measured Well Depth (feet bTOC)	45.40	45.40	N/A		45.35			
				Submerged Screen	N	N	N		N			
VP-3	774.52	710.42	74.10	Groundwater Level (feet bTOC)	63.30	63.20	62.80		62.19		-0.20	1.11
				Groundwater Elevation (feet amsl)	711.22	711.32	711.72		712.33			
				Measured Well Depth (feet bTOC)	74.30	74.30	N/A		74.30			
				Submerged Screen	Y	Y	Y		Y			
VP-4	790.91	718.01	82.99	Groundwater Level (feet bTOC)	80.11	79.74	79.64		78.84		-0.26	1.27
				Groundwater Elevation (feet amsl)	710.80	711.17	711.27		712.07			
				Measured Well Depth (feet bTOC)	83.25	83.25	N/A		83.25			
				Submerged Screen	N	N	N		N			
Background Monitoring Locations												
MW-37	784.81	724.97	69.84	Groundwater Level (feet bTOC)	65.21	64.98	64.69		63.86		-0.11	1.35
				Groundwater Elevation (feet amsl)	719.60	719.83	720.12		720.95			
				Measured Well Depth (feet bTOC)	69.95	69.95	69.95		69.90			
				Submerged Screen	N	N	N		N			
MW-101A	720.47	706.36	29.55	Groundwater Level (feet bTOC)	18.87	16.09	17.64		12.58		0.10	6.29
				Groundwater Elevation (feet amsl)	701.60	704.38	702.83		707.89			
				Measured Well Depth (feet bTOC)	29.45	29.45	29.45		29.45			
				Submerged Screen	N	N	N		Y			

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Well	Top of Casing (feet amsl)	Top of Screen (feet amsl)	Total Depth (feet bTOC)	Measurement Description	Date of Measurements						Maximum Depth Discrepancy (feet)	Maximum GW Fluctuation (feet)
					Mar. 2024	Aug. 2024	Mar. 2025	Jun. 2025	Aug. 2025	Dec. 2025		
Upper Bedrock Monitoring Locations Continued												
Delineation Monitoring Locations												
MW-102A	725.57	705.11	33.75	Groundwater Level (feet bTOC)	23.92	21.08	22.68		17.64		0.00	6.28
				Groundwater Elevation (feet amsl)	701.65	704.49	702.89		707.93			
				Measured Well Depth (feet bTOC)	33.75	33.75	N/A		N/A			
				Submerged Screen	N	N	N		Y			
MW-103A	720.34	707.62	22.90	Groundwater Level (feet bTOC)	18.08	14.91	16.84		11.92		0.40	6.16
				Groundwater Elevation (feet amsl)	702.26	705.43	703.50		708.42			
				Measured Well Depth (feet bTOC)	22.50	22.50	N/A		N/A			
				Submerged Screen	N	N	N		Y			
MW-105A	723.97	708.80	30.40	Groundwater Level (feet bTOC)	23.06	21.38	22.17		18.74		-0.10	4.32
				Groundwater Elevation (feet amsl)	700.91	702.59	701.80		705.23			
				Measured Well Depth (feet bTOC)	30.35	30.35	N/A		30.50			
				Submerged Screen	N	N	N		N			
MW-106A	716.19	707.34	23.55	Groundwater Level (feet bTOC)	15.12	12.93	13.92		10.49		0.05	4.63
				Groundwater Elevation (feet amsl)	701.07	703.26	702.27		705.70			
				Measured Well Depth (feet bTOC)	23.50	23.50	N/A		23.55			
				Submerged Screen	N	N	N		N			
MW-107A	721.65	706.90	29.95	Groundwater Level (feet bTOC)	20.49	18.17	19.27		14.03		0.30	6.46
				Groundwater Elevation (feet amsl)	701.16	703.48	702.38		707.62			
				Measured Well Depth (feet bTOC)	29.65	29.65	N/A		29.65			
				Submerged Screen	N	N	N		Y			
MW-108A	719.11	710.15	19.30	Groundwater Level (feet bTOC)	16.19	12.18	14.86		10.32		0.00	5.87
				Groundwater Elevation (feet amsl)	702.92	706.93	704.25		708.79			
				Measured Well Depth (feet bTOC)	19.30	19.30	N/A		N/A			
				Submerged Screen	N	N	N		N			
MW-109A	724.17	707.23	27.45	Groundwater Level (feet bTOC)	23.35	20.86	22.29		18.41		0.30	4.94
				Groundwater Elevation (feet amsl)	700.82	703.31	701.88		705.76			
				Measured Well Depth (feet bTOC)	27.15	27.15	N/A		27.35			
				Submerged Screen	N	N	N		N			

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Well	Top of Casing (feet amsl)	Top of Screen (feet amsl)	Total Depth (feet bTOC)	Measurement Description	Date of Measurements						Maximum Depth Discrepancy (feet)	Maximum GW Fluctuation (feet)
					Mar. 2024	Aug. 2024	Mar. 2025	Jun. 2025	Aug. 2025	Dec. 2025		
Deeper Bedrock Monitoring Locations												
Downgradient Monitoring Locations												
AW-6	721.13	651.44	79.69	Groundwater Level (feet bTOC)	20.56	18.33	19.42		15.51		0.19	5.05
				Groundwater Elevation (feet amsl)	700.57	702.80	701.71		705.62			
				Measured Well Depth (feet bTOC)	79.50	79.50	N/A		79.55			
				Submerged Screen	Y	Y	Y		Y			
CRL-9	736.59	672.89	73.70	Groundwater Level (feet bTOC)	34.61	31.44	33.13		28.27	33.16	0.05	6.34
				Groundwater Elevation (feet amsl)	701.98	705.15	703.46		708.32	703.43		
				Measured Well Depth (feet bTOC)	73.65	73.65	N/A		73.65	73.65		
				Submerged Screen	Y	Y	Y		Y	Y		
MW-11	745.62	678.44	72.18	Groundwater Level (feet bTOC)	41.38	38.23	40.00		37.61		-0.42	3.77
				Groundwater Elevation (feet amsl)	704.24	707.39	705.62		708.01			
				Measured Well Depth (feet bTOC)	72.60	72.60	N/A		72.55			
				Submerged Screen	Y	Y	Y		Y			
MW-14	740.93	679.13	66.80	Groundwater Level (feet bTOC)	36.57	33.14	34.89		32.63		-0.35	3.94
				Groundwater Elevation (feet amsl)	704.36	707.79	706.04		708.30			
				Measured Well Depth (feet bTOC)	67.15	67.15	67.15		67.10			
				Submerged Screen	Y	Y	Y		Y			
MW-15	737.99	673.59	69.40	Groundwater Level (feet bTOC)	34.36	30.30	31.31		29.23		-0.25	5.13
				Groundwater Elevation (feet amsl)	703.63	707.69	706.68		708.76			
				Measured Well Depth (feet bTOC)	69.65	69.65	N/A		69.60			
				Submerged Screen	Y	Y	Y		Y			
MW-18	736.28	676.53	64.75	Groundwater Level (feet bTOC)	30.21	25.76	26.11		24.80	30.08	-0.40	5.41
				Groundwater Elevation (feet amsl)	706.07	710.52	710.17		711.48	706.20		
				Measured Well Depth (feet bTOC)	65.10	65.10	N/A		65.15	65.15		
				Submerged Screen	Y	Y	Y		Y	Y		
MW-19	723.01	680.23	47.78	Groundwater Level (feet bTOC)	21.59	19.21	20.33		15.29		-0.02	6.30
				Groundwater Elevation (feet amsl)	701.42	703.80	702.68		707.72			
				Measured Well Depth (feet bTOC)	47.80	47.80	N/A		47.80			
				Submerged Screen	Y	Y	Y		Y			
MW-22	733.34	681.27	57.45	Groundwater Level (feet bTOC)	31.69	28.91	30.30		25.34		0.05	6.35
				Groundwater Elevation (feet amsl)	701.65	704.43	703.04		708.00			
				Measured Well Depth (feet bTOC)	57.50	57.50	N/A		57.40			
				Submerged Screen	Y	Y	Y		Y			

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Well	Top of Casing (feet amsl)	Top of Screen (feet amsl)	Total Depth (feet bTOC)	Measurement Description	Date of Measurements						Maximum Depth Discrepancy (feet)	Maximum GW Fluctuation (feet)
					Mar. 2024	Aug. 2024	Mar. 2025	Jun. 2025	Aug. 2025	Dec. 2025		
Deeper Bedrock Monitoring Locations Continued												
Downgradient Monitoring Locations Continued												
MW-25	784.20	679.02	110.18	Groundwater Level (feet bTOC)	79.80	76.76	78.43		74.61		-0.17	5.19
				Groundwater Elevation (feet amsl)	704.40	707.44	705.77		709.59			
				Measured Well Depth (feet bTOC)	110.20	110.20	N/A		110.35			
				Submerged Screen	Y	Y	Y		Y			
MW-27	809.66	671.66	143.00	Groundwater Level (feet bTOC)	102.95	101.27	102.45		100.13		-0.35	2.82
				Groundwater Elevation (feet amsl)	706.71	708.39	707.21		709.53			
				Measured Well Depth (feet bTOC)	143.35	143.35	N/A		143.35			
				Submerged Screen	Y	Y	Y		Y			
MW-29	816.20	679.70	141.50	Groundwater Level (feet bTOC)	109.44	107.74	108.83		106.81		-0.25	2.63
				Groundwater Elevation (feet amsl)	706.76	708.46	707.37		709.39			
				Measured Well Depth (feet bTOC)	141.75	141.75	N/A		N/A			
				Submerged Screen	Y	Y	Y		Y			
MW-31	790.06	671.00	124.06	Groundwater Level (feet bTOC)	83.73	81.85	82.75		80.68		-0.14	3.05
				Groundwater Elevation (feet amsl)	706.33	708.21	707.31		709.38			
				Measured Well Depth (feet bTOC)	124.20	124.20	N/A		124.15			
				Submerged Screen	Y	Y	Y		Y			
MW-33	749.92	670.39	84.53	Groundwater Level (feet bTOC)	47.86	45.33	46.60	43.70	43.27		-0.22	4.59
				Groundwater Elevation (feet amsl)	702.06	704.59	703.32	706.22	706.65			
				Measured Well Depth (feet bTOC)	84.70	84.70	84.70	84.70	84.75			
				Submerged Screen	Y	Y	Y	Y	Y			
MW-36	745.22	674.03	76.19	Groundwater Level (feet bTOC)	42.96	40.44	41.70		38.40		-0.01	4.56
				Groundwater Elevation (feet amsl)	702.26	704.78	703.52		706.82			
				Measured Well Depth (feet bTOC)	76.20	76.20	N/A		76.20			
				Submerged Screen	Y	Y	Y		Y			
Background Monitoring Locations												
MW-38	784.81	699.26	90.55	Groundwater Level (feet bTOC)	65.45	65.08	64.84		63.96		0.50	1.49
				Groundwater Elevation (feet amsl)	719.36	719.73	719.97		720.85			
				Measured Well Depth (feet bTOC)	90.10	90.10	90.10		90.05			
				Submerged Screen	Y	Y	Y		Y			
MW-101B	720.33	640.36	84.90	Groundwater Level (feet bTOC)	18.63	15.90	17.42		12.37		0.15	6.26
				Groundwater Elevation (feet amsl)	701.70	704.43	702.91		707.96			
				Measured Well Depth (feet bTOC)	84.85	84.85	84.85		84.75			
				Submerged Screen	Y	Y	Y		Y			

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Well	Top of Casing (feet amsl)	Top of Screen (feet amsl)	Total Depth (feet bTOC)	Measurement Description	Date of Measurements						Maximum Depth Discrepancy (feet)	Maximum GW Fluctuation (feet)
					Mar. 2024	Aug. 2024	Mar. 2025	Jun. 2025	Aug. 2025	Dec. 2025		
Deeper Bedrock Monitoring Locations Continued												
Delineation Monitoring Locations												
MW-102B	726.21	651.28	88.00	Groundwater Level (feet bTOC)	24.62	21.85	23.36		18.36		2.05	6.26
				Groundwater Elevation (feet amsl)	701.59	704.36	702.85		707.85			
				Measured Well Depth (feet bTOC)	88.00	88.00	N/A		85.95			
				Submerged Screen	Y	Y	Y		Y			
MW-103C	719.90	649.32	75.85	Groundwater Level (feet bTOC)	17.66	14.44	16.39		11.53		0.35	6.13
				Groundwater Elevation (feet amsl)	702.24	705.46	703.51		708.37			
				Measured Well Depth (feet bTOC)	75.50	75.50	N/A		N/A			
				Submerged Screen	Y	Y	Y		Y			
MW-104B	773.35	686.09	98.10	Groundwater Level (feet bTOC)	65.42	64.12	64.55		63.21		-0.10	2.21
				Groundwater Elevation (feet amsl)	707.93	709.23	708.80		710.14			
				Measured Well Depth (feet bTOC)	98.20	98.20	N/A		98.20			
				Submerged Screen	Y	Y	Y		Y			
MW-105B	724.00	648.80	85.50	Groundwater Level (feet bTOC)	23.06	21.51	22.24		18.97		0.15	4.09
				Groundwater Elevation (feet amsl)	700.94	702.49	701.76		705.03			
				Measured Well Depth (feet bTOC)	85.40	85.40	N/A		85.35			
				Submerged Screen	Y	Y	Y		Y			
MW-107B	721.91	660.37	67.51	Groundwater Level (feet bTOC)	20.45	17.98	19.16		14.09		-0.09	6.36
				Groundwater Elevation (feet amsl)	701.46	703.93	702.75		707.82			
				Measured Well Depth (feet bTOC)	67.60	67.60	N/A		67.50			
				Submerged Screen	Y	Y	Y		Y			
MW-108B	719.00	646.77	76.70	Groundwater Level (feet bTOC)	15.44	12.89	13.78		11.41		-0.10	4.03
				Groundwater Elevation (feet amsl)	703.56	706.11	705.22		707.59			
				Measured Well Depth (feet bTOC)	76.80	76.80	N/A		76.70			
				Submerged Screen	Y	Y	Y		Y			
MW-109B	724.37	650.27	84.05	Groundwater Level (feet bTOC)	22.72	20.50	21.42		18.23		0.55	4.49
				Groundwater Elevation (feet amsl)	701.65	703.87	702.95		706.14			
				Measured Well Depth (feet bTOC)	83.65	83.65	83.50		83.65			
				Submerged Screen	Y	Y	Y		Y			

Comments:
amsl = above mean sea level
bTOC = below top of casing
N/A = Not applicable

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Comments Continued:

(1) MW-20 and MW-24 were replaced in 2005, but well construction forms could not be located on IDNR DocDNA. Constructed well depths were from the 2005 Annual Water Quality Report (AWQR) and Top of Screen (TOS) were estimated.

(2) MW-21 was replaced in 2005, but well construction form could not be located on IDNR DocDNA. Constructed well depth was from the 2005 AWQR and TOS was estimated. The constructed well depth was updated in Spring 2021 due to casing extension conducted as part of City of Cedar Rapids flood wall construction project.

Acceptability of Well Locations:

• In accordance with 567 IAC 113.10(2)f(1), a review of the horizontal and vertical acceptability of the approved monitoring points shall be conducted every two years. The horizontal placement of well locations remain acceptable. Site 1 is a closed landfill; therefore, the layout of the site has not changed since the last approval of the Hydrologic Monitoring System Plan (HMSP) in September 2006 (HRG, 2006). The horizontal placement of the existing monitoring wells, which are spaced roughly 400 to 600 feet apart around the entire landfill perimeter, continues to be acceptable. In addition, fourteen delineation monitoring wells (MW-102A through MW-109B) have been installed further downgradient of the HMSP wells in order to horizontally and vertically delineate SSIs and SSLs to background. Permit Amendment #16 approved the spatial and frequency optimizations detailed in "Site 1 Monitoring Optimization" (Foth, 2020b). Spatial optimization recommendations were initiated in Fall 2020. The water table monitoring wells (i.e., upper bedrock monitoring wells) were not evaluated for removal due to their purpose of providing ongoing detection of releases from the closed landfill. As a result, horizontal acceptability of the groundwater monitoring network remained acceptable after spatial optimization. In addition, the purpose of the deeper bedrock monitoring wells was reviewed in "Site 1 Monitoring Optimization" (Foth, 2020b). The review indicated that the upper bedrock wells are screened across or below the lowest elevation of the former quarry (and therefore, the lowest elevation of the unlined landfill), and any release from the landfill would be identified in the upper bedrock monitoring wells prior to horizontal or vertical migration. Therefore, the purpose of the deeper bedrock wells is for vertical delineation and not for identification of new releases. Based on this review, the deeper bedrock monitoring wells are not evaluated for horizontal acceptability.
• In terms of vertical acceptability, the groundwater monitoring network includes wells completed within different intervals of the first water bearing zone. The water table is typically encountered in the surrounding alluvium and upper portion of the bedrock. Deeper bedrock wells monitor the same aquifer as the water table wells (upper bedrock), but at a depth that is 20 to 30 feet deeper.
• For the water table wells (upper bedrock), the 2024 and 2025 groundwater elevations were within the screened interval with the exception of AW-2, MW-17, MW-20, MW-21, MW-24, VP-3, and MW-101A. Note MW-20, MW-21, and MW-101A were submerged during only the August 2025 event. While AW-2, MW-17, MW-24, and VP-3 continually have submerged screens, these locations continue to provide representative information regarding local groundwater elevation and quality given that most elevations were only slightly above the screened interval, but within the filter pack interval, elevations were within the normal range of elevations at these locations (indicating no change in conditions), and/or proximity to the river attributed to the higher groundwater elevation.
• The remaining HMSP wells at the facility are deeper bedrock monitoring wells. These wells were originally installed as described under IAC 113.16(1) for the hydrogeologic study. The vertical placement of the deeper bedrock monitoring wells continues to be acceptable.
• The biennial evaluation indicates that the horizontal and vertical placement of the existing monitoring wells continues to be acceptable and no maintenance activities are recommended based on horizontal and vertical acceptability at this time.

Water Level Conditions:

• In accordance with IAC 113.10(2)f(2), a review of water level conditions must be conducted every two years to ensure that the effects of waste disposal or well operation have not resulted in changes in the hydrologic setting and resultant flow paths. The Mar. and Aug. 2024 water table contours are depicted in Figures 2 and 3 of the *2024 AWQR* (Foth, 2025a), and the Mar. and Aug. 2025 water table contours are depicted in Figures 2 and 3 of the 2025 AWQR. These maps were prepared using water level measurements from the water table (upper bedrock) groundwater monitoring wells and liquid levels from the gas collection system wells. Examination of the water table configuration presented in Figures 2 and 3 of the *2024 AWQR* (Foth, 2025a) and Figures 2 and 3 of the 2025 AWQR indicate that MW-37 and MW-38 remain upgradient and background wells MW-101A and MW-101B remain in an up- or cross-gradient direction. The groundwater flow direction is unchanged relative to previous reviews. Significant impacts or changes in groundwater hydrology or groundwater flow paths have not occurred.
• The groundwater fluctuations observed in 2024 and 2025 were greater than those seen in recent years due to the prolonged drought from 2020 through early 2024. By late 2024, eastern Iowa was no longer experiencing drought conditions. The lower groundwater levels in 2024, followed by higher levels in 2025, driven by increased precipitation, produced above-average fluctuations overall. Locations that have historically had greater fluctuations have continued to have larger fluctuations due to their proximity to the Cedar River.
• The biennial evaluation did not identify significant impacts or changes in groundwater hydrology or groundwater flow paths. No maintenance activities are recommended based on review of the 2024 and 2025 water level information.

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Comments Continued:

Well Depths:

• In accordance with IAC 113.10(2)f(3), well depth measurements were collected in 2024 and 2025 to ensure the wells are physically intact and not filling with sediment. The 2024 and 2025 well depths are within one foot of the original well depths, except at MW-26, MW-30, and MW-35. The well depth measurements at these locations were between 1-2 feet deeper than the original well depths, which does not indicate that these wells are filling up with sediment. The discrepancies between the measured well depths and the original depths at MW-26, MW-30, and MW-35 are attributed to an error in the original boring log records for these wells.

• The 2024 and 2025 measured well depths indicated that the wells are not filling with sediment and remain physically intact. No maintenance activities are recommended based on review of the 2024 and 2025 well depth information.

Well Deterioration:

• In accordance with IAC 113.10(2)f(4), a review of well recharge rates and chemistry must be conducted every two years to determine if well deterioration is occurring. Review of the water level measurements prior to and subsequent to sampling indicated that recharge rates are consistent with historically observed data. The 2024 and 2025 field parameter results measured during purging are consistent with previously observed measurements.

• The well recharges rates and field chemistry data indicate the integrity of the monitoring wells remains intact and that no deterioration is occurring. Based on review of the well recharge rates and field chemistry, no maintenance activities are recommended.

Exterior Well Maintenance:

• Details regarding the exterior well maintenance conducted in 2024 were provided in the *2024 AWQR* (Foth, 2025a). Well maintenance is not recommended in 2025 .

Proposed Changes to the Monitoring Network

• Based on the biennial review of water levels, well depths, horizontal and vertical acceptability of well locations, well recharge rates, and field chemistry, no well maintenance activities or additional monitoring wells are recommended at this time.

Table 5
Background and GWPS Summary
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Constituent [1]	CAS #	Units	Samples	Detections [2]	Min [3]	Max [3]	Mean [3]	Note	Background Level	Statistical Test	GWPS	Source [4]
Interwell Background/GWPS (Aug. 2008 - Aug. 2025) - Upper Bedrock Monitoring Locations												
4,4'-DDE	72-55-9	ug/L	17	1	0.00227 J	0.0456 (1/2 RL)	0.0211	J-Flagged Only	**0.0902 (RL)**	DQR	**0.51**	SS
alpha-BHC	319-84-6	ug/L	45	3	0.00189 J	0.0456 (1/2 RL)	0.0201	J-Flagged Only	**0.0902 (RL)**	DQR	**0.028**	SS
Antimony	7440-36-0	mg/L	56	9	0.00021 J	0.00739	0.00116		**0.00739**	Non-Parametric (1-of-2)	**0.006**	MCL
Arsenic	7440-38-2	mg/L	57	12	0.0005 (1/2 RL)	0.00205	0.00096		**0.00205**	Non-Parametric (1-of-2)	**0.01**	MCL
Barium	7440-39-3	mg/L	53	53	0.0244	0.191	0.0551		**0.1415**	Parametric (Lognormal, 1-of-2)	**2**	MCL
Benzene	71-43-2	ug/L	58	1	0.25 (1/2 RL)	2.5 (1/2 RL)	0.30		**0.500 (RL)**	DQR	**5**	MCL
Benzo(ghi)perylene	191-24-2	ug/L	22	1	0.484 J	6.75 (1/2 RL)	5.06	J-Flagged Only	**9.8 (RL)**	DQR	**21**	SS
Beryllium	7440-41-7	mg/L	58	1	0.0000410 J	0.002 (1/2 RL)	0.00057	J-Flagged Only	**0.001 (RL)**	DQR	**0.004**	MCL
beta-BHC	319-85-7	ug/L	55	1	0.008 (1/2 RL)	0.0468 (1/2 RL)	0.0232	J-Flagged Only	**0.0902 (RL)**	DQR	**0.042**	SS
Bis(2-ethylhexyl)phthalate	117-81-7	ug/L	57	3	0.409 J	6.85 (1/2 RL)	5.23	J-Flagged Only	**9.8 (RL)**	DQR	**6**	MCL
Butylbenzylphthalate	85-68-7	ug/L	22	1	0.341 J	6.75 (1/2 RL)	5.05	J-Flagged Only	**9.8 (RL)**	DQR	**140**	SS
Cadmium	7440-43-9	mg/L	56	6	0.000048 (1/2 RL)	0.0025 (1/2 RL)	0.000283	J-Flagged Only	**0.0002 (RL)**	DQR	**0.005**	MCL
Carbon Disulfide	75-15-0	ug/L	58	3	0.152 J	5.00 (1/2 RL)	0.66		**1.00 (RL)**	DQR	**700**	SS
Chloromethane	74-87-3	ug/L	57	1	0.311 J	15.0 (1/2 RL)	1.72	J-Flagged Only	**3.00 (RL)**	DQR	**N/A**	N/A
Chromium	7440-47-3	mg/L	58	7	0.000904 J	0.025 (1/2 RL)	0.0048	J-Flagged Only	**0.005 (RL)**	DQR	**0.1**	MCL
cis-1,2-Dichloroethene	156-59-2	ug/L	57	1	0.229 J	5.00 (1/2 RL)	0.57	J-Flagged Only	**1.00 (RL)**	DQR	**70**	MCL
Cobalt	7440-48-4	mg/L	44	31	0.000046 J	0.008	0.00098		**0.008**	Non-Parametric (1-of-2)	**0.008**	Background
Copper	7440-50-8	mg/L	56	3	0.000867 J	0.0225	0.0042		**0.0225**	Non-Parametric (1-of-2)	**1.3**	MCL
delta-BHC	319-86-8	ug/L	44	2	0.00415 J	0.04555 (1/2 RL)	0.0216	J-Flagged Only	**0.0902 (RL)**	DQR	**2.1**	SS
Di-n-butylphthalate	84-74-2	ug/L	49	2	0.600 J	6.85 (1/2 RL)	5.31	J-Flagged Only	**9.8 (RL)**	DQR	**700**	SS
Di-n-octylphthalate	117-84-0	ug/L	22	2	1.42 J	13.5 (1/2 RL)	7.72	J-Flagged Only	**19.6 (RL)**	DQR	**140**	SS
Endosulfan I	959-98-8	ug/L	17	1	0.00517 J	0.04555 (1/2 RL)	0.021	J-Flagged Only	**0.0902 (RL)**	DQR	**42**	SS
Ethylbenzene	100-41-4	ug/L	58	3	0.348 J	5.00 (1/2 RL)	0.59		**1.00 (RL)**	DQR	**700**	MCL
Heptachlor	76-44-8	ug/L	47	2	0.00799 J	0.04555 (1/2 RL)	0.0213	J-Flagged Only	**0.0902 (RL)**	DQR	**0.4**	MCL
Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	22	1	0.299 J	6.75 (1/2 RL)	5.05	J-Flagged Only	**9.8 (RL)**	DQR	**0.24**	SS
Lead	7439-92-1	mg/L	55	11	0.000118 J	0.00695	0.00069		**0.00695**	Non-Parametric (1-of-2)	**0.01**	MCL
Lindane (BHC, Gamma-)	58-89-9	ug/L	17	1	0.00674 J	0.04555 (1/2 RL)	0.0213	J-Flagged Only	**0.0902 (RL)**	DQR	**0.2**	MCL
m/p-Cresol	15831-10-4	ug/L	44	1	4.81 (1/2 RL)	404	14.6		**9.8 (RL)**	DQR	**70**	SS
Methoxychlor	72-43-5	ug/L	17	1	0.00279 J	0.04555 (1/2 RL)	0.0210	J-Flagged Only	**0.0902 (RL)**	DQR	**40**	MCL
Methyl Parathion	298-00-0	ug/L	21	1	0.877 J	6.75 (1/2 RL)	5.04	J-Flagged Only	**9.8 (RL)**	DQR	**1**	SS
Nickel	7440-02-0	mg/L	56	24	0.000643 J	0.0522	0.0082		**0.0522**	Non-Parametric (1-of-2)	**0.1**	SS
Nitrobenzene	98-95-3	ug/L	22	1	0.226 J	6.75 (1/2 RL)	5.04	J-Flagged Only	**9.8 (RL)**	DQR	**14**	SS
Phenol	108-95-2	ug/L	41	1	4.81 (1/2 RL)	23.6	6.3		**9.8 (RL)**	DQR	**2,000**	SS
Selenium	7782-49-2	mg/L	56	29	0.000872 J	0.025 (1/2 RL)	0.0033	J-Flagged Only	**0.005 (RL)**	DQR	**0.05**	MCL
Silver	7440-22-4	mg/L	58	3	0.0000720 J	0.025 (1/2 RL)	0.0034	J-Flagged Only	**0.001 (RL)**	DQR	**0.1**	SS
Sulfide	18496-25-8	mg/L	13	1	0.363 J	5.0 (1/2 RL)	1.489	J-Flagged Only	**1.00 (RL)**	DQR	**N/A**	N/A
Thallium	7440-28-0	mg/L	58	8	0.000046 J	0.001 (1/2 RL)	0.0006	J-Flagged Only	**0.001 (RL)**	DQR	**0.002**	MCL
Tin	7440-31-5	mg/L	58	2	0.0025 (1/2 RL)	0.152	0.0176		**0.152**	Non-Parametric (1-of-2)	**4.2**	SS
Toluene	108-88-3	ug/L	59	6	0.179 J	6.56 (1/2 RL)	0.69		**1.00 (RL)**	DQR	**1,000**	MCL

Table 5
Background and GWPS Summary
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Constituent [1]	CAS #	Units	Samples	Detections [2]	Min [3]	Max [3]	Mean [3]	Note	Background Level	Statistical Test	GWPS	Source [4]
Interwell Background/GWPS (Aug. 2008 - Aug. 2025) - Upper Bedrock Monitoring Locations (Continued)												
Total Suspended Solids	TSS	mg/L	45	28	0.875 J	25.7	2.79		**N/A**	N/A	**N/A**	N/A
Trichloroethene	79-01-6	ug/L	57	1	0.208 J	5.00 (1/2 RL)	0.57	J-Flagged Only	**1.00 (RL)**	DQR	**5**	MCL
Vanadium	7440-62-2	mg/L	56	19	0.000503 J	0.025 (1/2 RL)		J-Flagged Only	**0.005 (RL)**	DQR	**0.035**	SS
Xylenes, Total	1330-20-7	ug/L	58	4	0.262 J	15.0 (1/2 RL)	1.84		**3.00 (RL)**	DQR	**10,000**	MCL
Zinc	7440-66-6	mg/L	58	7	0.005 (1/2 RL)	0.0805	0.0142		**0.0805**	Non-Parametric (1-of-2)	**2**	SS
Interwell Background/GWPS (Aug. 2008 - Aug. 2025) - Deeper Bedrock Monitoring Locations												
2,4,5-TP (Silvex)	93-72-1	ug/L	44	1	0.05 (1/2 RL)	2.14	0.522	J-Flagged Only	**1.03 (RL)**	DQR	**50**	MCL
4,4'-DDD	72-54-8	ug/L	13	1	0.00206 J	0.0451 (1/2 RL)	0.0198	J-Flagged Only	**0.0897 (RL)**	DQR	**0.73**	SS
Acetonitrile	75-05-8	ug/L	12	1	3.64 J	5.0 (1/2 RL)	4.89	J-Flagged Only	**10.0 (RL)**	DQR	**N/A**	N/A
Antimony	7440-36-0	mg/L	55	2	0.000185 J	0.0101	0.00126		**0.0101**	Non-Parametric (1-of-2)	**0.006**	MCL
Arsenic	7440-38-2	mg/L	57	37	0.0005 (1/2 RL)	0.00225	0.00103		**0.00225**	Non-Parametric (1-of-2)	**0.01**	MCL
Barium	7440-39-3	mg/L	53	53	0.0402	0.138	0.0718		**0.138**	Non-Parametric (1-of-2)	**2**	MCL
Bis(2-ethylhexyl)phthalate	117-81-7	ug/L	57	4	0.423 J	25.4	5.85		**25.4**	Non-Parametric (1-of-2)	**6**	MCL
Cadmium	7440-43-9	mg/L	54	1	0.00005 (1/2 RL)	0.000824	0.000174		**0.000824**	Non-Parametric (1-of-2)	**0.005**	MCL
Chromium	7440-47-3	mg/L	57	2	0.000468 J	0.025 (1/2 RL)	0.0049	J-Flagged Only	**0.005 (RL)**	DQR	**0.1**	MCL
Cobalt	7440-48-4	mg/L	44	35	0.000099 J	0.000948	0.00028		**0.0008303**	Parametric (Lognormal, 1-of-2)	**0.0021**	SS
Copper	7440-50-8	mg/L	56	1	0.001 (1/2 RL)	0.0108	0.0041		**0.0108**	Non-Parametric (1-of-2)	**1.3**	MCL
Dieldrin	60-57-1	ug/L	22	1	0.0029 J	0.0451 (1/2 RL)	0.0187	J-Flagged Only	**0.0897 (RL)**	DQR	**0.011**	SS
Di-n-butylphthalate	84-74-2	ug/L	29	4	0.618 J	5.9 (1/2 RL)	4.73	J-Flagged Only	**9.8 (RL)**	DQR	**700**	SS
Di-n-octylphthalate	117-84-0	ug/L	21	1	1.73 J	11.75 (1/2 RL)	7.58	J-Flagged Only	**19.6 (RL)**	DQR	**140**	SS
Disulfoton	298-04-4	ug/L	22	1	1.11 J	35.0 (1/2 RL)	9.11	J-Flagged Only	**9.8 (RL)**	DQR	**0.7**	SS
Isosafrole	120-58-1	ug/L	22	2	0.184 J	5.9 (1/2 RL)	4.76	J-Flagged Only	**9.8 (RL)**	DQR	**N/A**	N/A
Lead	7439-92-1	mg/L	52	1	0.000117 J	0.002 (1/2 RL)	0.00058	J-Flagged Only	**0.0005 (RL)**	DQR	**0.01**	MCL
m/p-Cresol	15831-10-4	ug/L	24	1	0.255 J	5.9 (1/2 RL)	5.03	J-Flagged Only	**9.8 (RL)**	DQR	**70**	SS
Methoxychlor	72-43-5	ug/L	13	1	0.00633 J	0.0195 (1/2 RL)	0.0201	J-Flagged Only	**0.0897 (RL)**	DQR	**40**	MCL
Nickel	7440-02-0	mg/L	44	19	0.000748 J	0.00735	0.0027		**0.00735**	Non-Parametric (1-of-2)	**0.1**	SS
Selenium	7782-49-2	mg/L	57	20	0.00101 J	0.025 (1/2 RL)	0.0034	J-Flagged Only	**0.005 (RL)**	DQR	**0.05**	MCL
Silver	7440-22-4	mg/L	57	1	0.000111 J	0.025 (1/2 RL)	0.0034	J-Flagged Only	**0.001 (RL)**	DQR	**0.1**	SS
Thallium	7440-28-0	mg/L	57	7	0.000033 J	0.001 (1/2 RL)	0.0006	J-Flagged Only	**0.001 (RL)**	DQR	**0.002**	MCL
Tin	7440-31-5	mg/L	57	3	0.0025 (1/2 RL)	0.109	0.0154		**0.109**	Non-Parametric (1-of-2)	**4.2**	SS
Toluene	108-88-3	ug/L	56	2	0.315 J	0.50 (1/2 RL)	0.49	J-Flagged Only	**1.00 (RL)**	DQR	**1,000**	MCL
Total Suspended Solids	TSS	mg/L	44	8	0.75 J	34.9	1.88		**N/A**	N/A	**N/A**	N/A
Vanadium	7440-62-2	mg/L	57	1	0.000489 J	0.025 (1/2 RL)	0.0076	J-Flagged Only	**0.005 (RL)**	DQR	**0.035**	SS
Xylenes, Total	1330-20-7	ug/L	56	3	0.155 J	1.50 (1/2 RL)	1.46	J-Flagged Only	**3.00 (RL)**	DQR	**10,000**	MCL
Zinc	7440-66-6	mg/L	57	5	0.005 (1/2 RL)	0.0366	0.0112		**0.0366**	Non-Parametric (1-of-2)	**2**	SS

Table 5
Background and GWPS Summary
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Comments:
DQR = double quantification rule
MCL = Maximum Contaminant Level
mg/L = milligrams per liter
N/A = not applicable
RL = reporting limit taken as the laboratory practical quantitation limit (PQL)
SS = Statewide Standard
ug/L = micrograms per liter
(1) List contains constituents detected above the laboratory minimum detection limit (MDL) in the background data sets after data set adjustments detailed in the Appendix B statistical reports were conducted (i.e., removal of background data based on turbidity and elevated PQLs). Background data set adjustments are listed as crossed-out concentrations in Table 14 and were removed from the background data set prior to conducting statistical analyses.

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

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

(4) Sources are either the Maximum Contaminant Level promulgated under Section 1412 of the Safe Drinking Water Act in 40 CFR Part 141 (MCL) or the 567 IAC Chapter 137 Statewide Standards for a Protected Groundwater Source (SS). If background is higher than the MCL or SS, the GWPS is background. Background as the GWPS is both the *two-sample* test prediction limit method and the *one-sample* test confidence limit method where the fixed GWPS is the background upper tolerance limit with 95% confidence and 95% coverage. N/A = not applicable; constituent does not have a MCL or SS and using background as the GWPS is not applicable due to limited detections.

• The background data sets consist of MW-37 and MW-101A for upper bedrock and MW-38 and MW-101B for deeper bedrock. No background data set adjustments were made in 2025. The previous background data set adjustments detailed in the statistical reports provided in Appendix B and listed as crossed-out concentrations in Table 14 were maintained in 2025.

• As mentioned in Table 2, the five-year resampling for the full Appendix II list was conducted at the background monitoring locations in Aug. 2025. No new constituents were detected at the deeper bedrock background monitoring locations in 2025. Sulfide was newly detected in upper bedrock monitoring location MW-101A in Aug. 2025 at a J-flagged concentration; therefore, sulfide was not added to background and will continue to be evaluated using the double quantification rule (DQR).

Summary of Prediction Limits and Health Standards
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Comments:

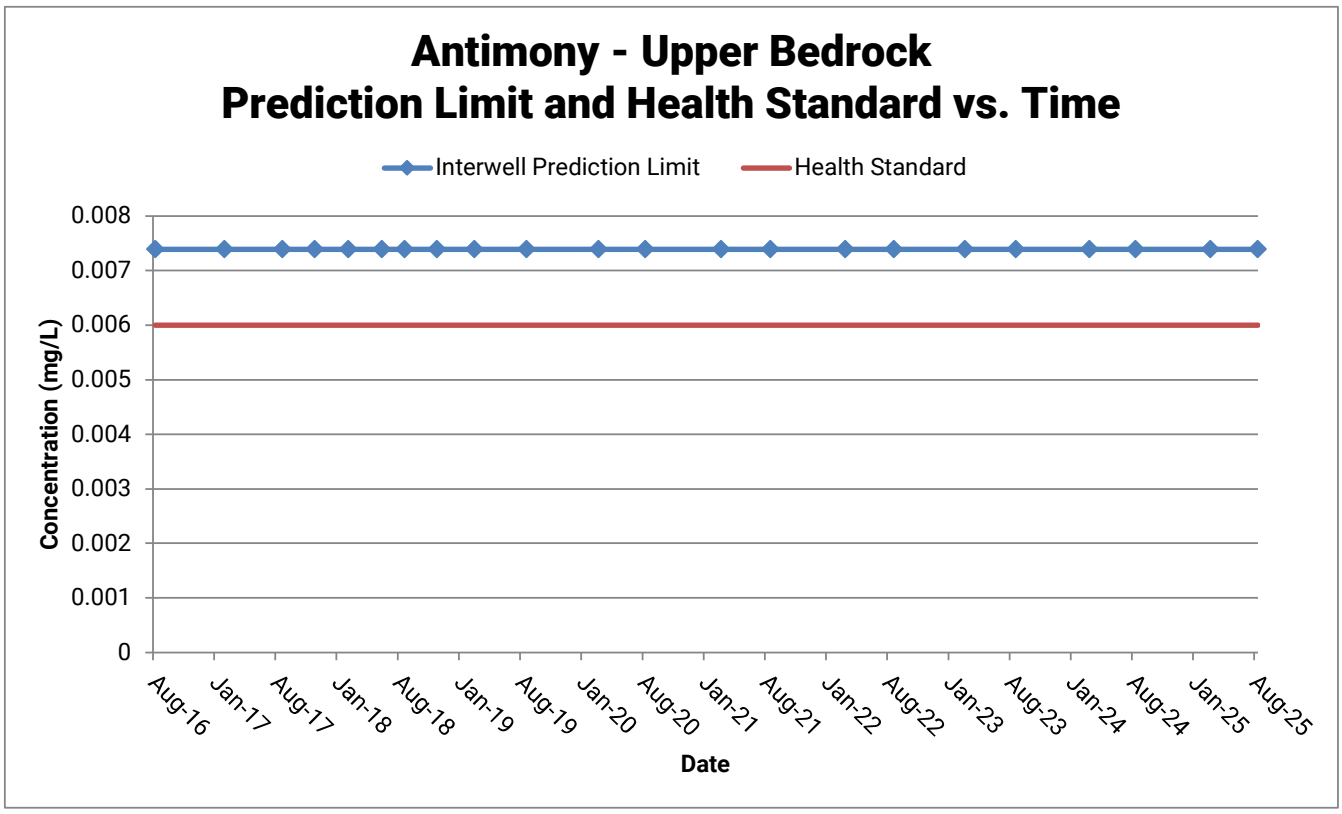
• The following graphs depict the interwell prediction limits for upper bedrock and deeper bedrock calculated for statistical analyses starting with the Fall 2016 statistical evaluation. Note that the Fall 2016 statistical evaluation was when data set adjustments due to sampling technique changes were implemented.

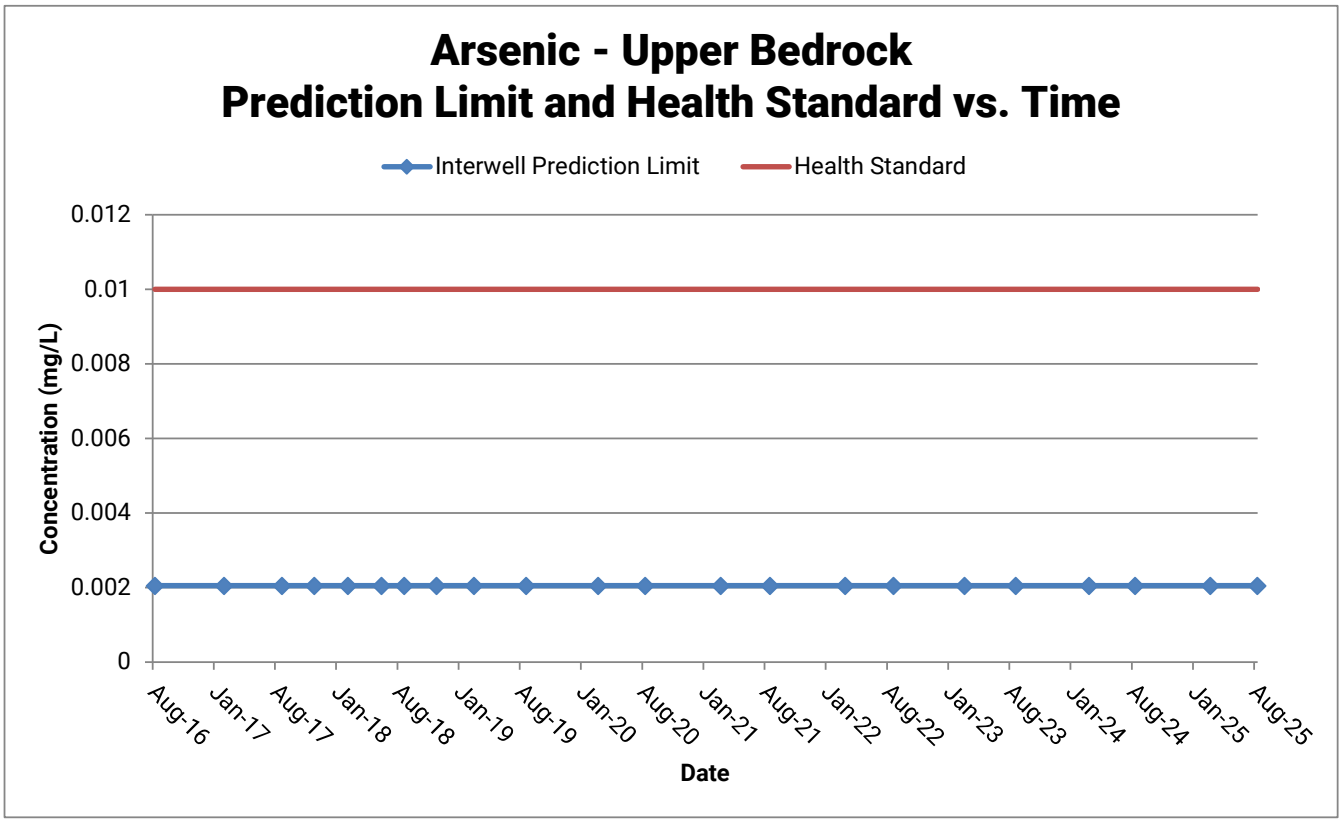
• Wells included in the background data sets and the sources of the background and health standards are presented in Table 5.

• For cobalt in upper bedrock, a notable increase in the prediction limit occurred with the Spring 2019 statistical evaluation due to a change from a non-parametric to a lognormal parametric method. A decreasing trend in the lognormal parametric prediction limit occurred between Spring 2019 and Fall 2020, with the Fall 2020 prediction limit nearly equal to the non-parametric limit utilized prior to Spring 2019. The decreasing trend occurred due to the increasing number of background samples utilized to calculate the lognormal parametric prediction limit and not due to decreasing trends in the background upper bedrock cobalt data. Another shift in the lognormal parametric prediction limit occurred between Fall 2020 and Spring 2021. The increased lognormal parametric prediction limit in Spring 2021 resulted from changes in the statistical configuration; specifically, changing from a 1-of-3 to a 1-of-2 retesting plan and changing the number of well/constituents pairs statistically evaluated with the implementation of the monitoring frequency optimizations. A decreasing trend in the lognormal prediction limit occurred between Spring 2021 and Spring 2022, which is again attributed to increasing background sample size for calculating the lognormal parametric prediction limit and not due to decreasing trends in the background upper bedrock cobalt data. In Fall 2022, the upper bedrock cobalt prediction limit changed from a lognormal parametric method to a non-parametric method again because normality could not be met. Cobalt continued to be analyzed using the non-parametric method through Fall 2025; therefore, the prediction limit has remained the same.

• The decreasing trend in the prediction limit for cobalt in deeper bedrock from Spring 2017 to Fall 2020 is attributed to the relatively small background sizes evaluated using lognormal parametric methods and not to decreasing trends in the individual well/analyte data. As occurred with the upper bedrock prediction limit for cobalt, an increase in the lognormal parametric prediction limit occurred in Spring 2021 as a result of changes in the statistical configuration; specifically, changing from a 1-of-3 to a 1-of-2 retesting plan and changing the number of well/constituents pairs statistically evaluated with the implementation of the monitoring frequency optimizations. The lognormal prediction limit remained fairly stable between Spring 2021 and Fall 2025.

• The decrease in the lead health standard is due to lowering the lead maximum contaminant level from 0.015 milligrams per liter (mg/L) to 0.01 mg/L under the Lead and Copper Rule Improvements that was finalized in Oct. 2024.


Antimony - Upper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
Concentration (mg/L)
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
Aug-20
Jan-21
Aug-21
Jan-22
Aug-22
Jan-23
Aug-23
Jan-24
Aug-24
Jan-25
Aug-25
Date


Arsenic - Upper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
Concentration (mg/L)
0.012
0.01
0.008
0.006
0.004
0.002
0
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
Aug-20
Jan-21
Aug-21
Jan-22
Aug-22
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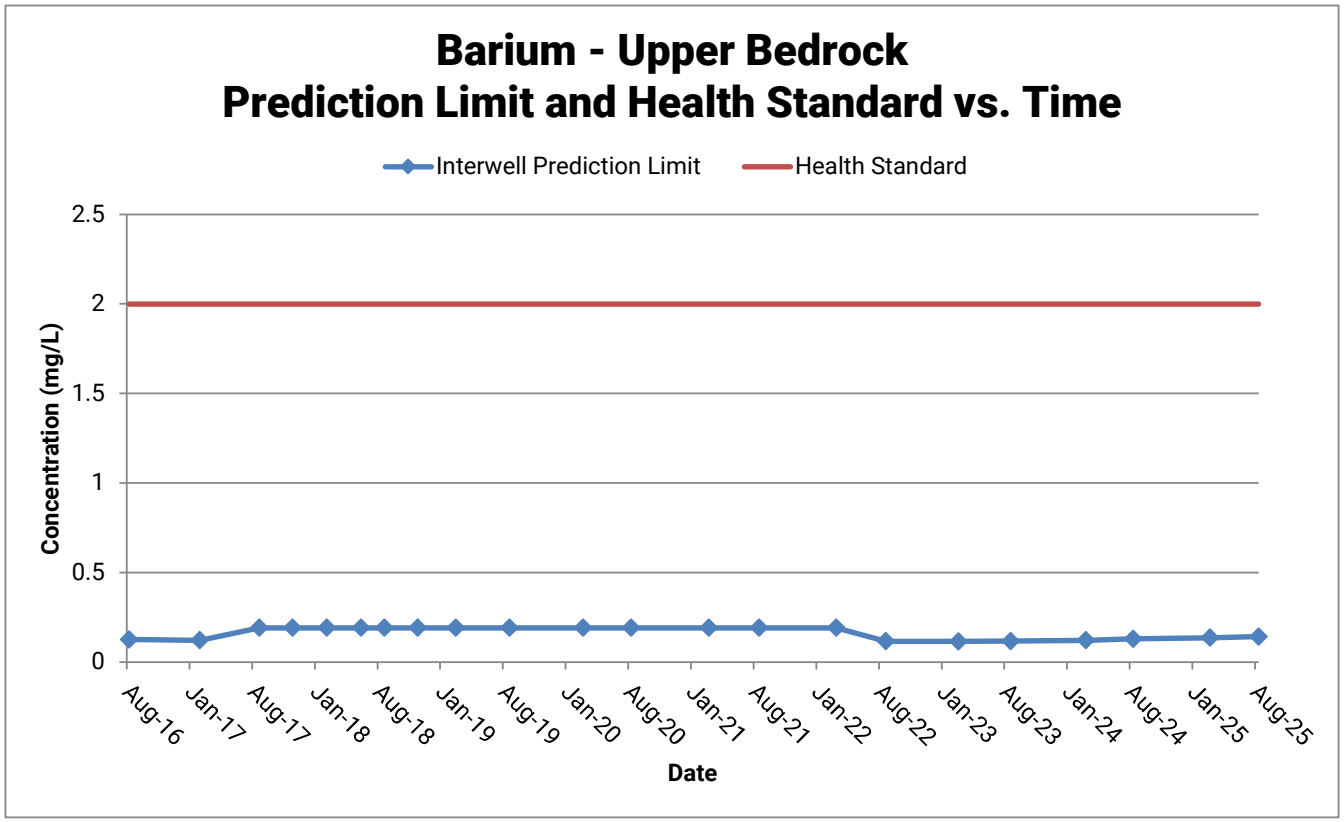
Jan-25
Aug-25
Date


Barium - Upper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
Concentration (mg/L)
2.5
2
1.5
1
0.5
0
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
Aug-20
Jan-21
Aug-21
Jan-22
Aug-22
Jan-23
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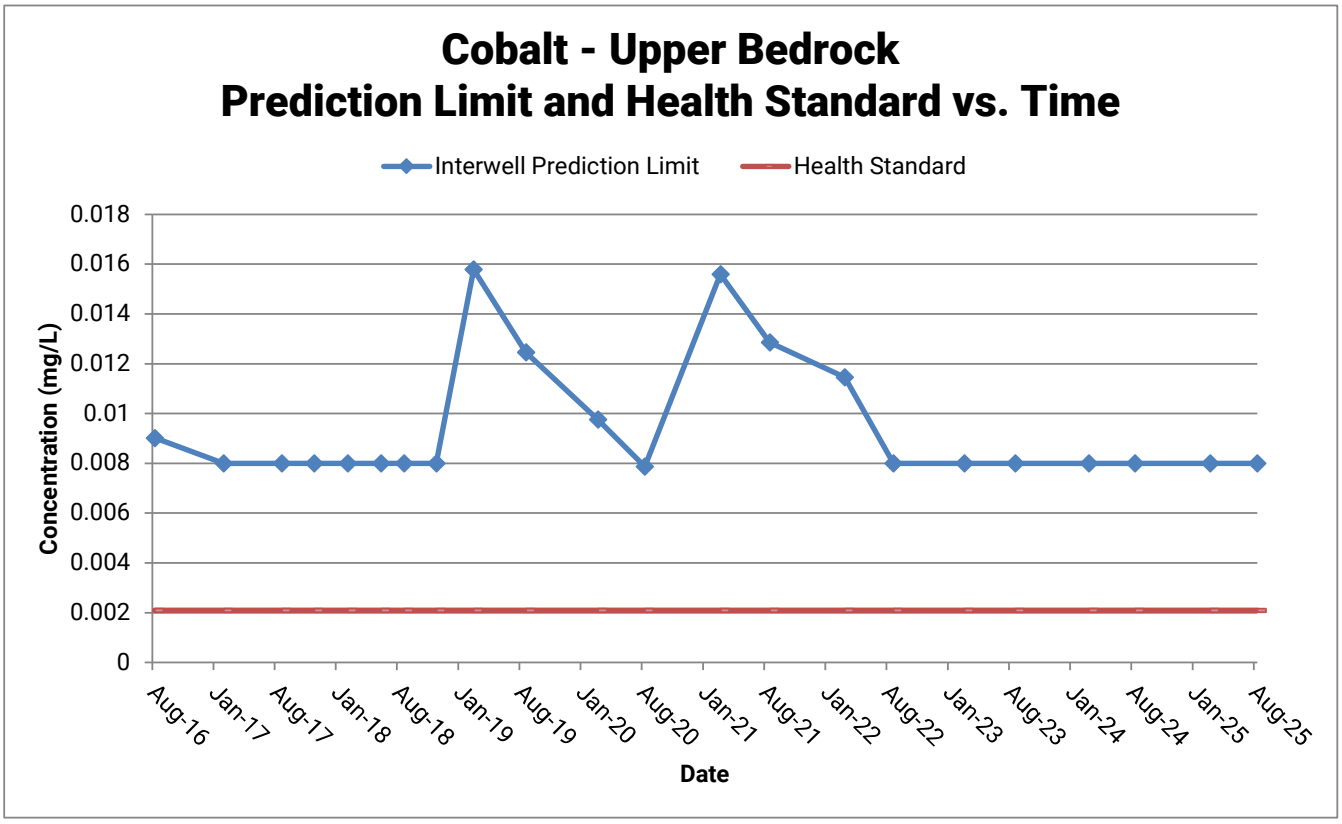
Jan-25
Aug-25
Date


Cobalt - Upper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
Concentration (mg/L)
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
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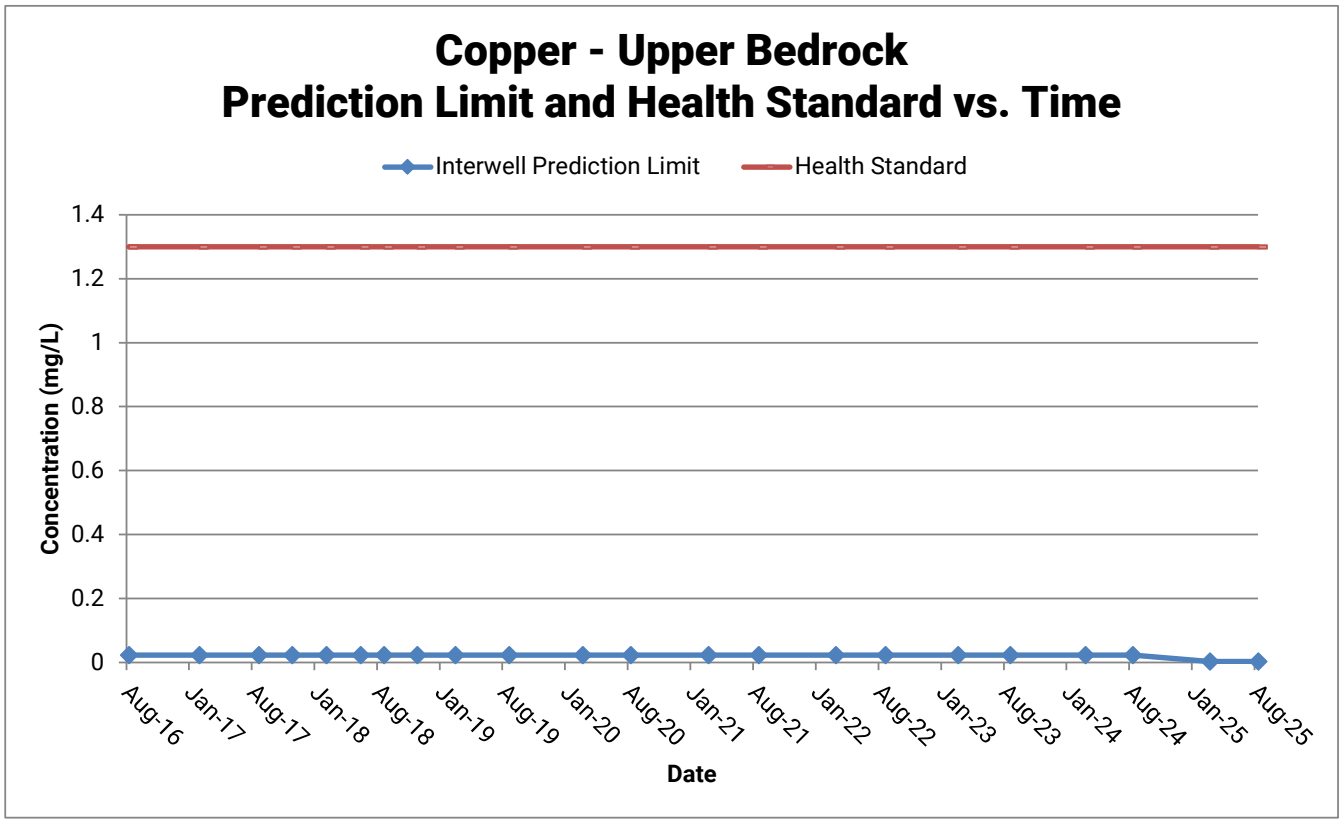
Jan-25
Aug-25
Date


Copper - Upper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
Concentration (mg/L)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
Aug-20
Jan-21
Aug-21
Jan-22
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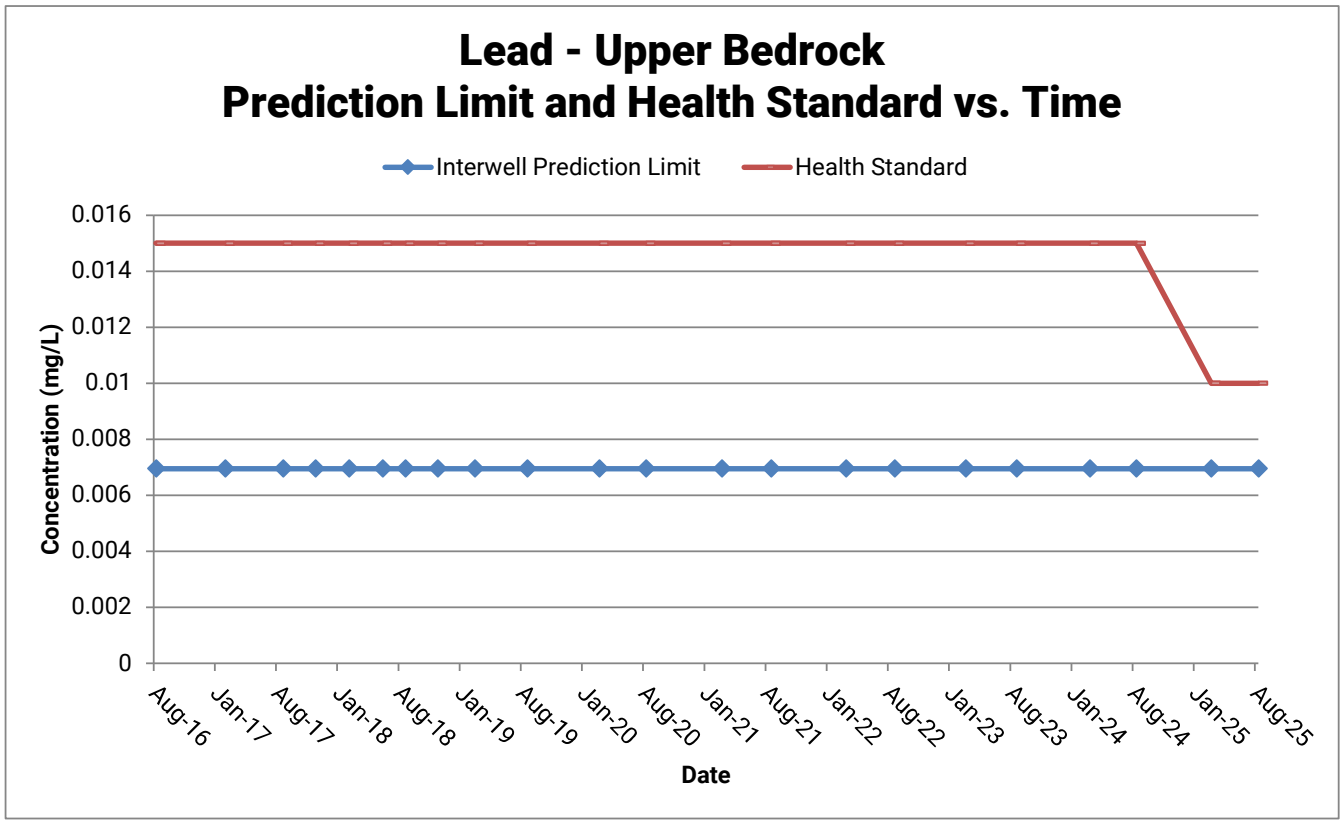
Jan-25
Aug-25
Date


Lead - Upper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
Concentration (mg/L)
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
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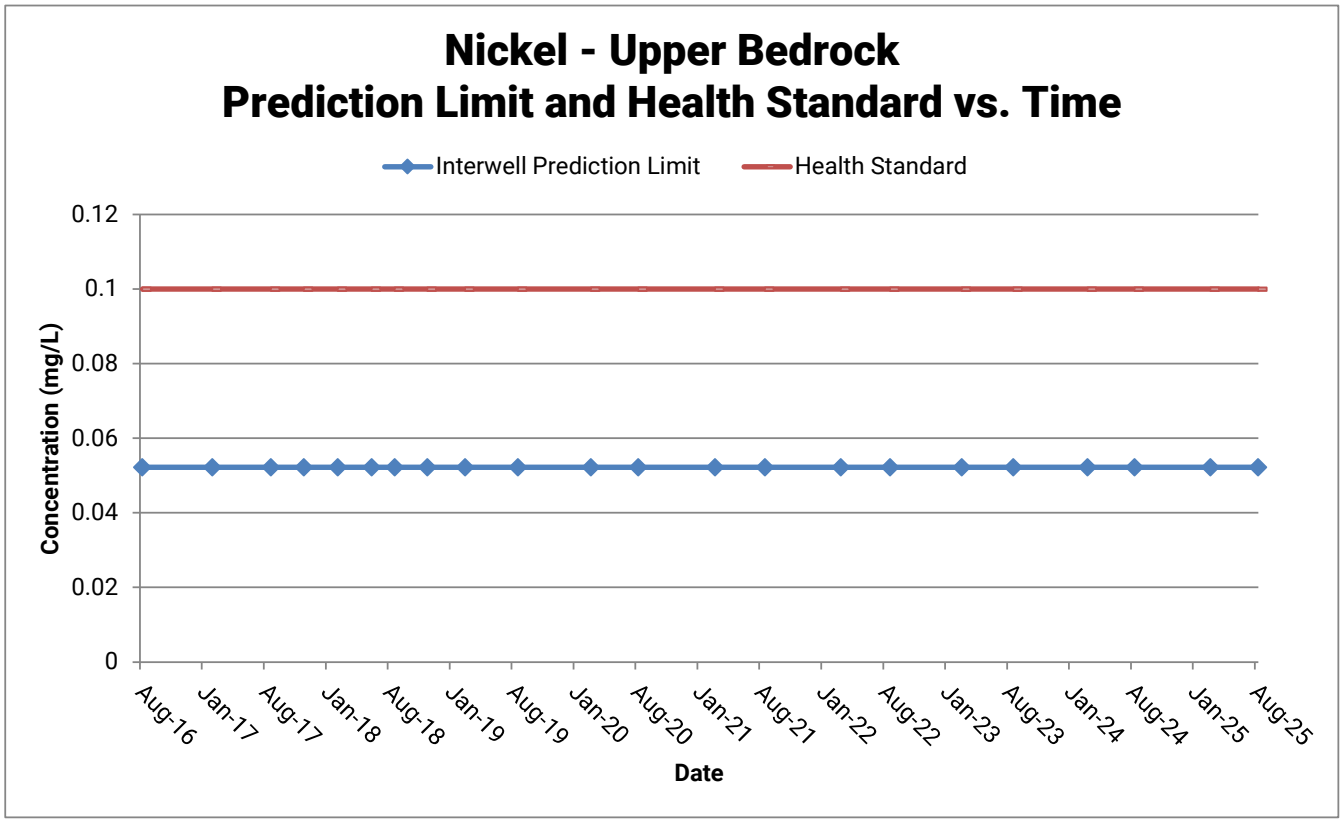
Jan-25
Aug-25
Date


Nickel - Upper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
0.12
0.1
0.08
0.06
0.04
0.02
0
Concentration (mg/L)
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
Aug-20
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Jan-22
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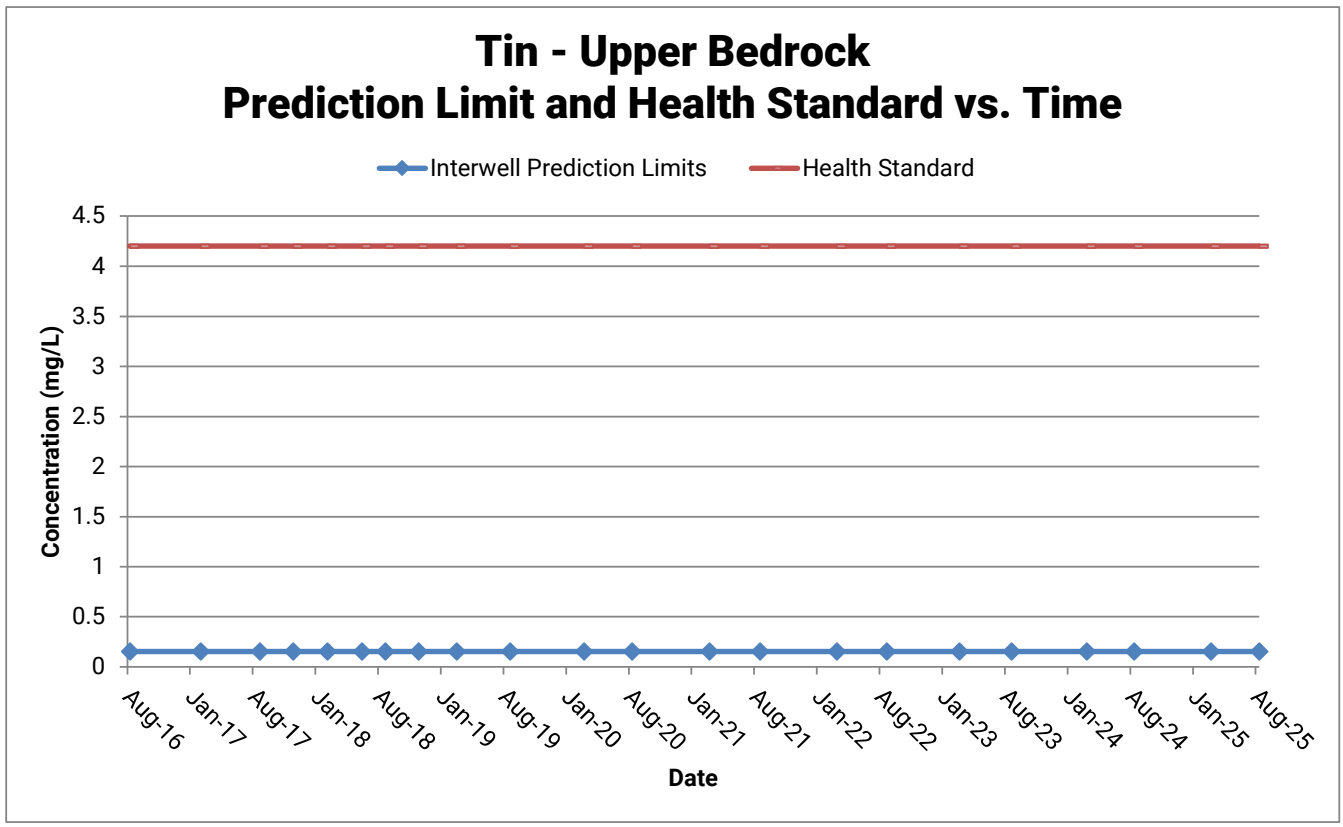
Jan-25
Aug-25
Date


Tin - Upper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limits
Health Standard
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Concentration (mg/L)
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
Aug-20
Jan-21
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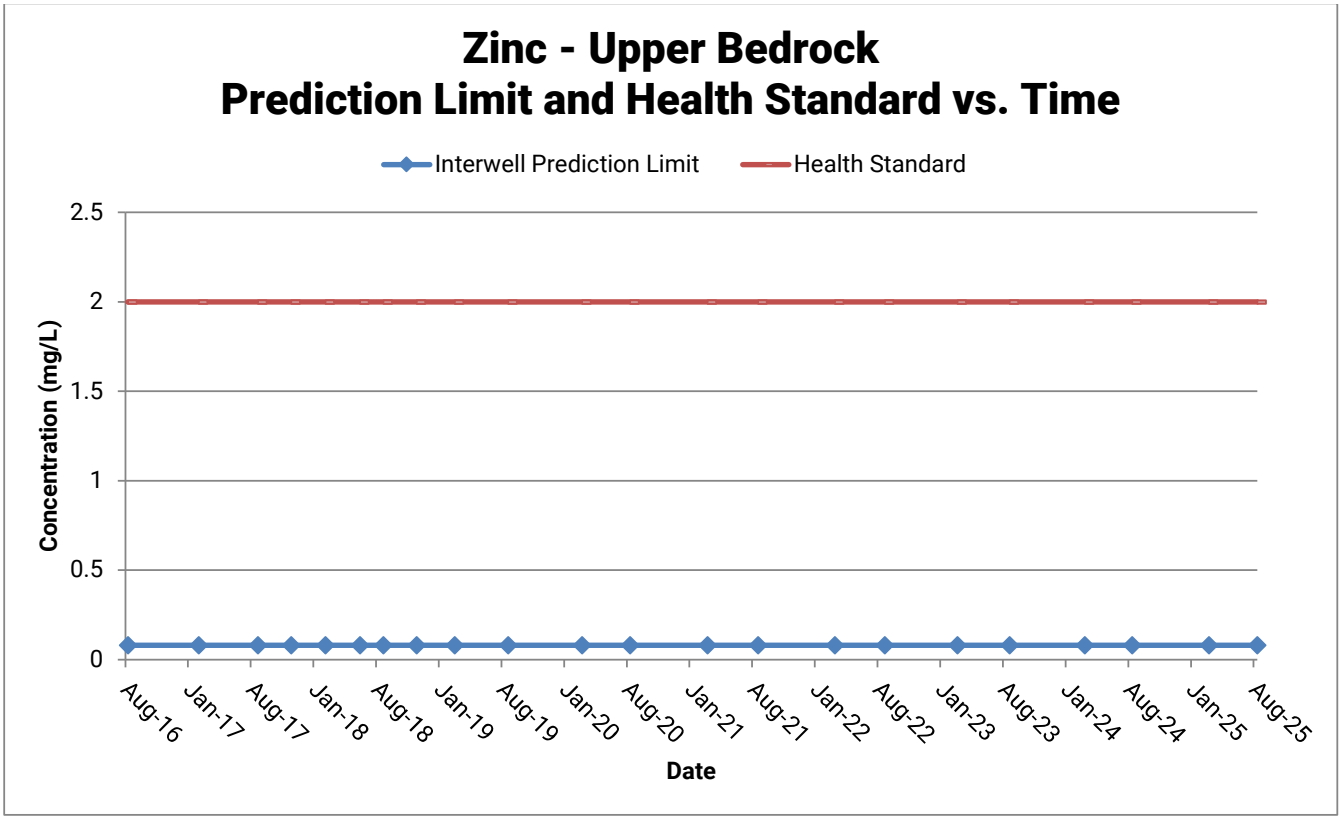
Jan-25
Aug-25
Date


Zinc - Upper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
Concentration (mg/L)
2.5
2
1.5
1
0.5
0
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
Aug-20
Jan-21
Aug-21
Jan-22
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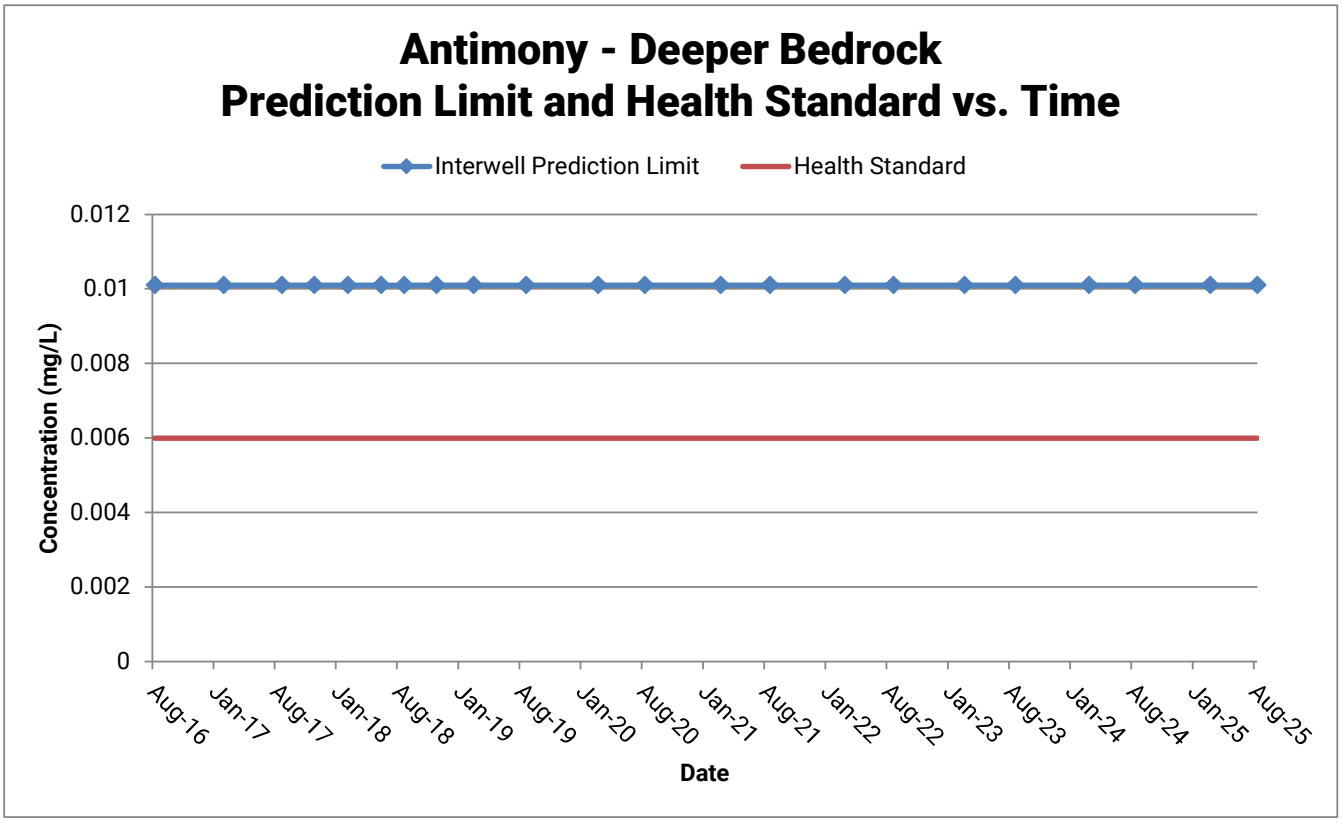
Aug-25
Date


Antimony - Deeper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
Concentration (mg/L)
0.012
0.01
0.008
0.006
0.004
0.002
0
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
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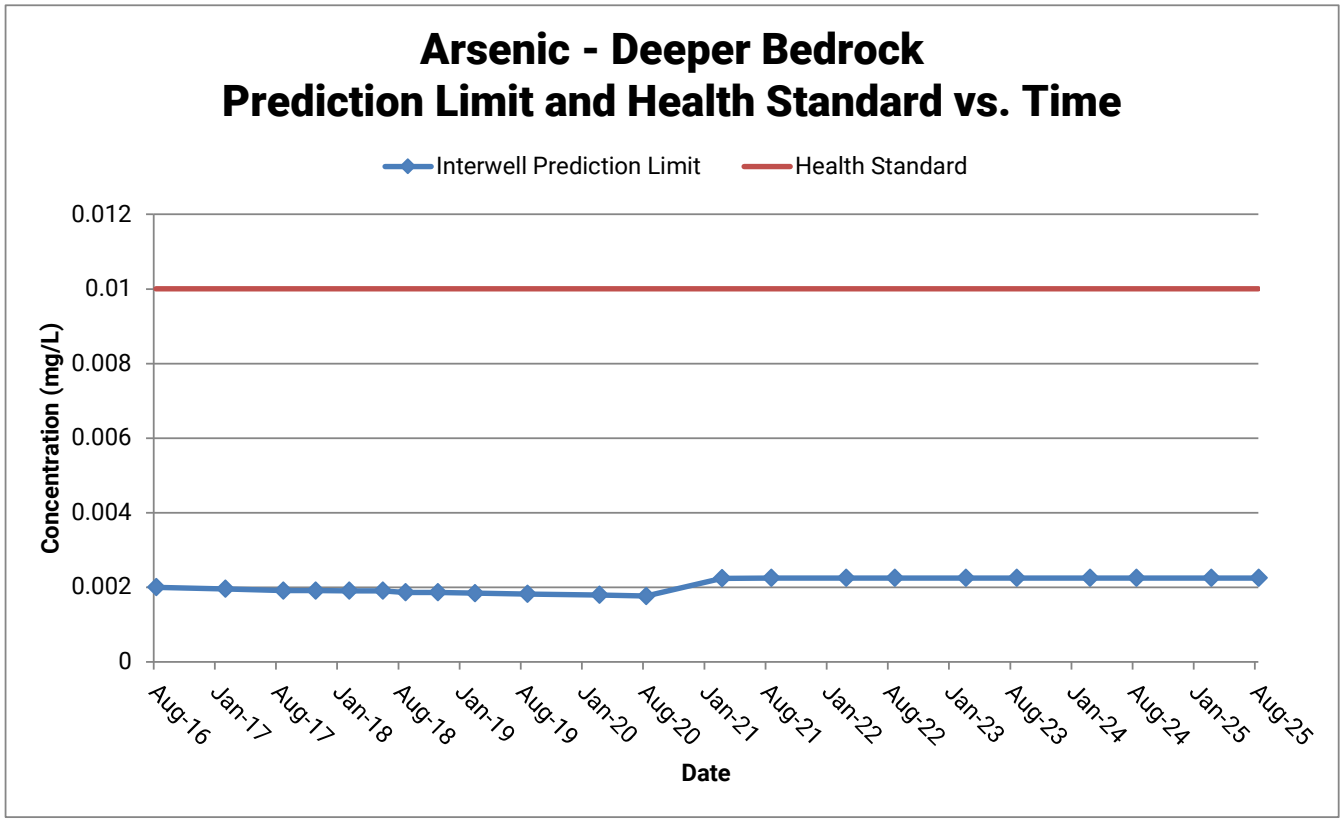
Date


Arsenic - Deeper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
0.012
0.01
0.008
0.006
0.004
0.002
0
Concentration (mg/L)
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
Aug-20
Jan-21
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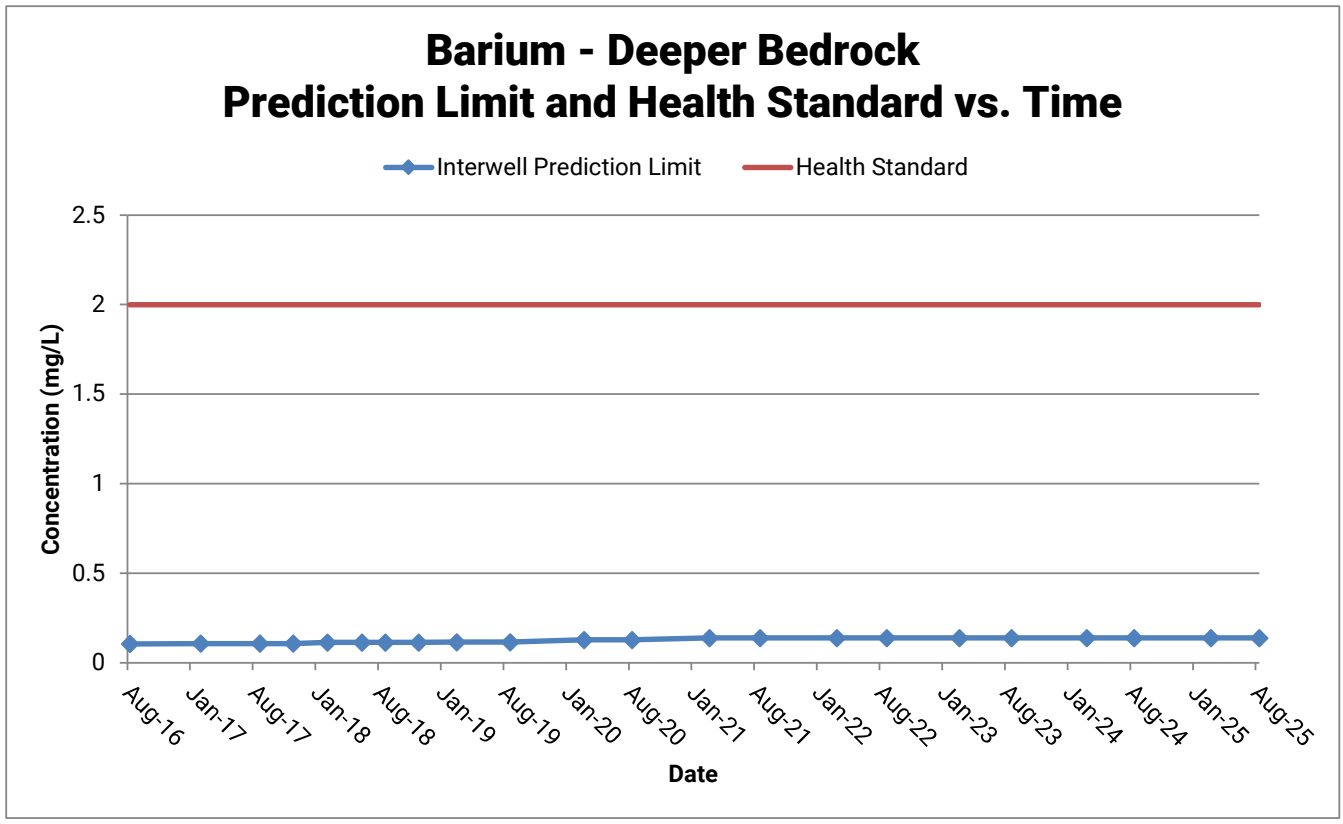
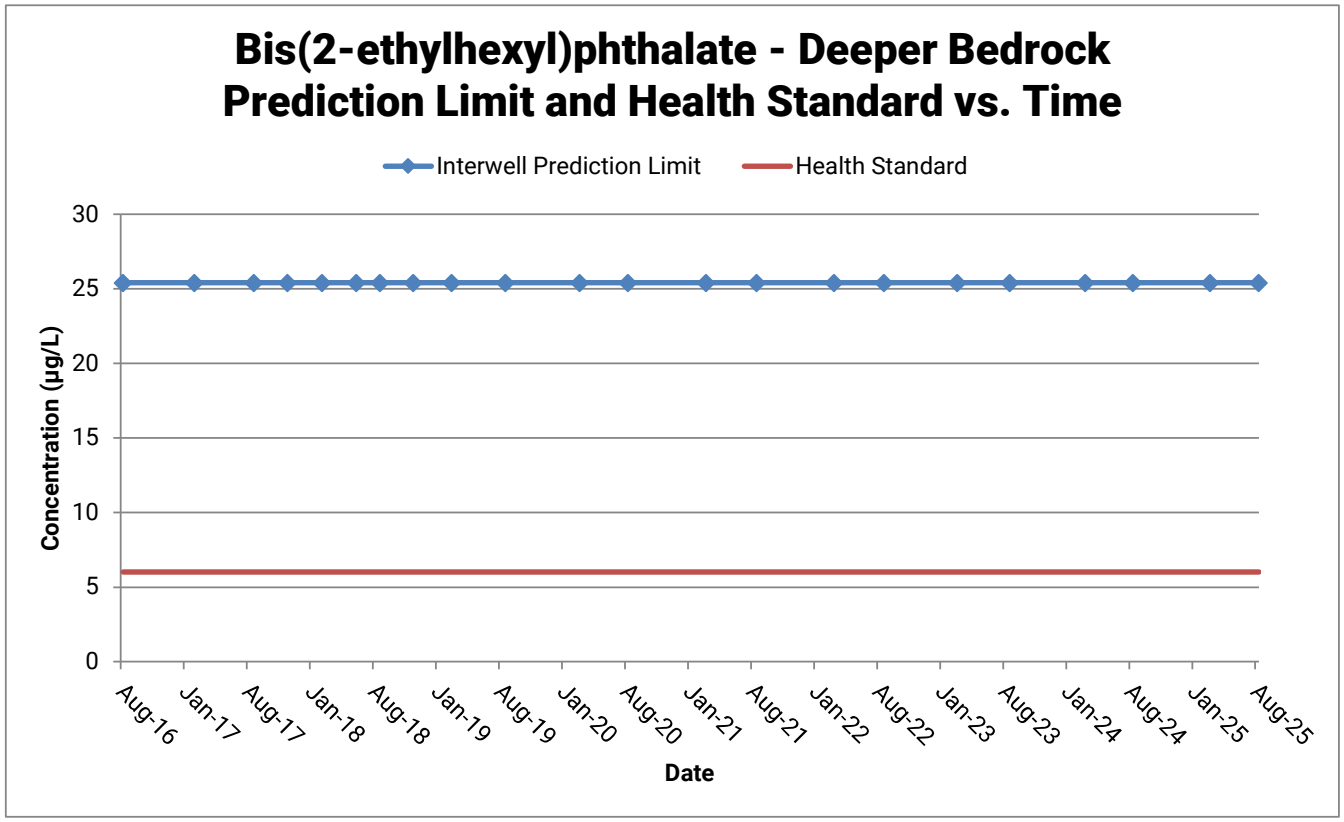
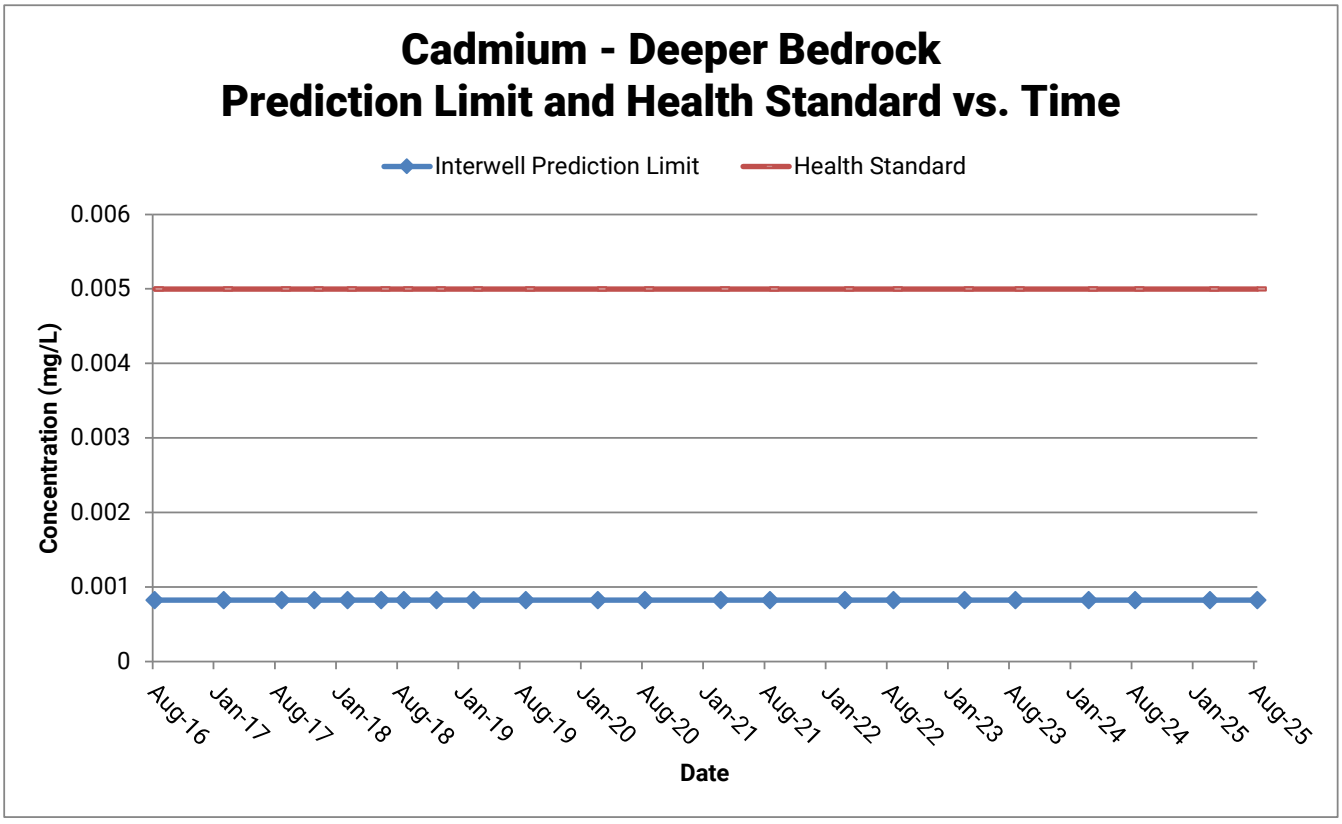
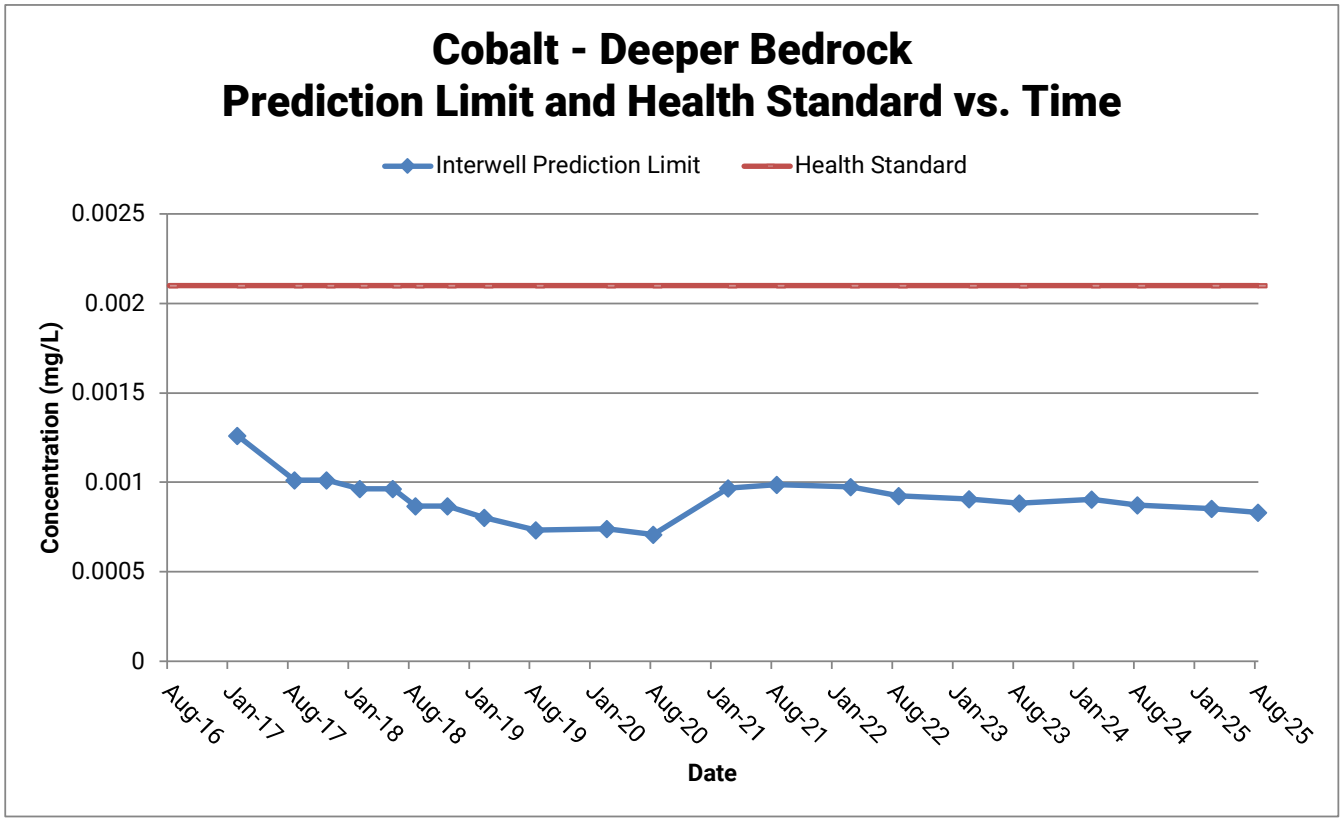
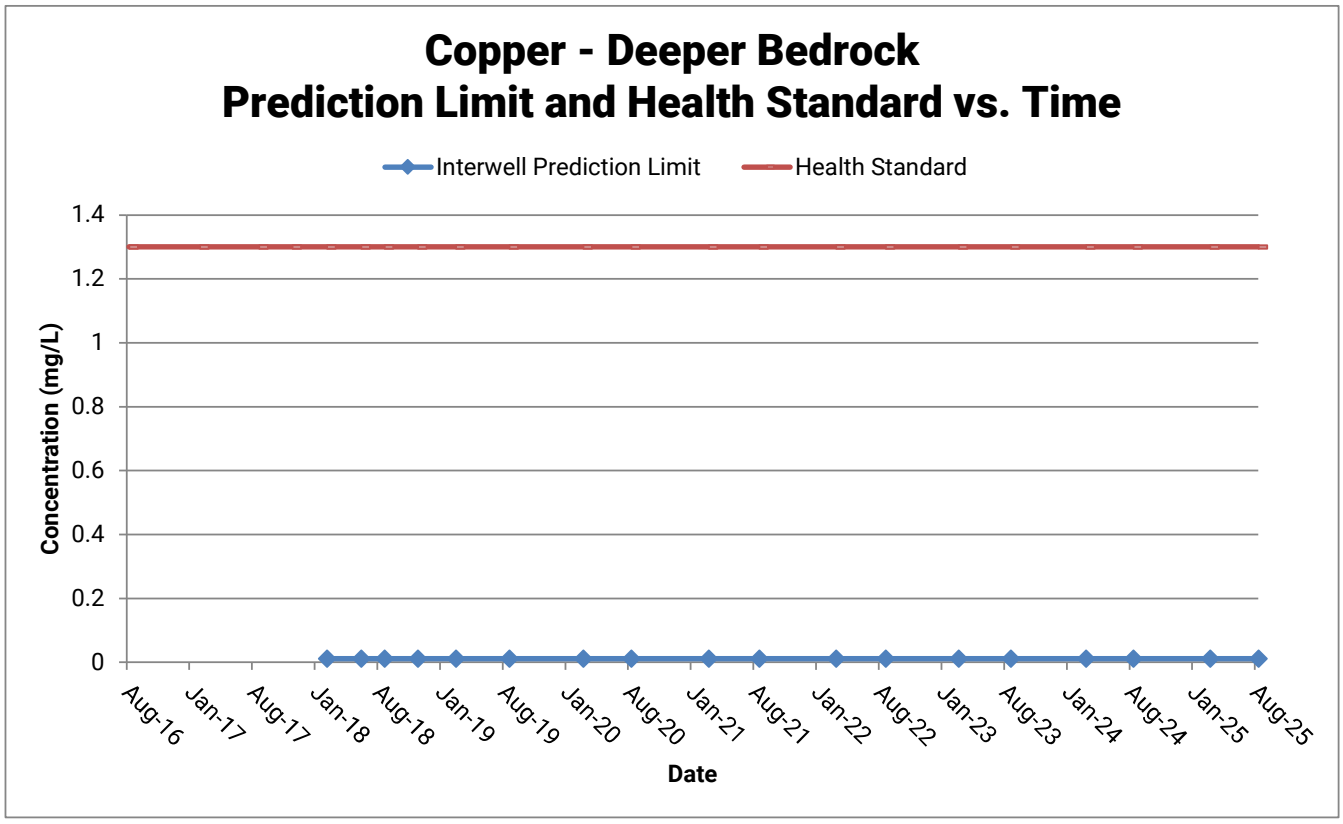
Jan-25
Aug-25
Date


Barium - Deeper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
2.5
2
1.5
1
0.5
0
Concentration (mg/L)
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
Aug-20
Jan-21
Aug-21
Jan-22
Aug-22
Jan-23
Aug-23
Jan-24
Aug-24
Jan-25
Aug-25
Date


Bis(2-ethylhexyl)phthalate - Deeper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
Concentration (µg/L)
30
25
20
15
10
5
0
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
Aug-20
Jan-21
Aug-21
Jan-22
Aug-22
Jan-23
Aug-23
Jan-24
Aug-24
Jan-25
Aug-25
Date


Cadmium - Deeper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
Concentration (mg/L)
0.006
0.005
0.004
0.003
0.002
0.001
0
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
Aug-20
Jan-21
Aug-21
Jan-22
Aug-22
Jan-23
Aug-23
Jan-24
Aug-24
Jan-25
Aug-25
Date


Cobalt - Deeper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
0.0025
0.002
0.0015
0.001
0.0005
0
Concentration (mg/L)
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
Aug-20
Jan-21
Aug-21
Jan-22
Aug-22
Jan-23
Aug-23
Jan-24
Aug-24
Jan-25
Aug-25
Date


Copper - Deeper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Concentration (mg/L)
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
Aug-20
Jan-21
Aug-21
Jan-22
Aug-22
Jan-23
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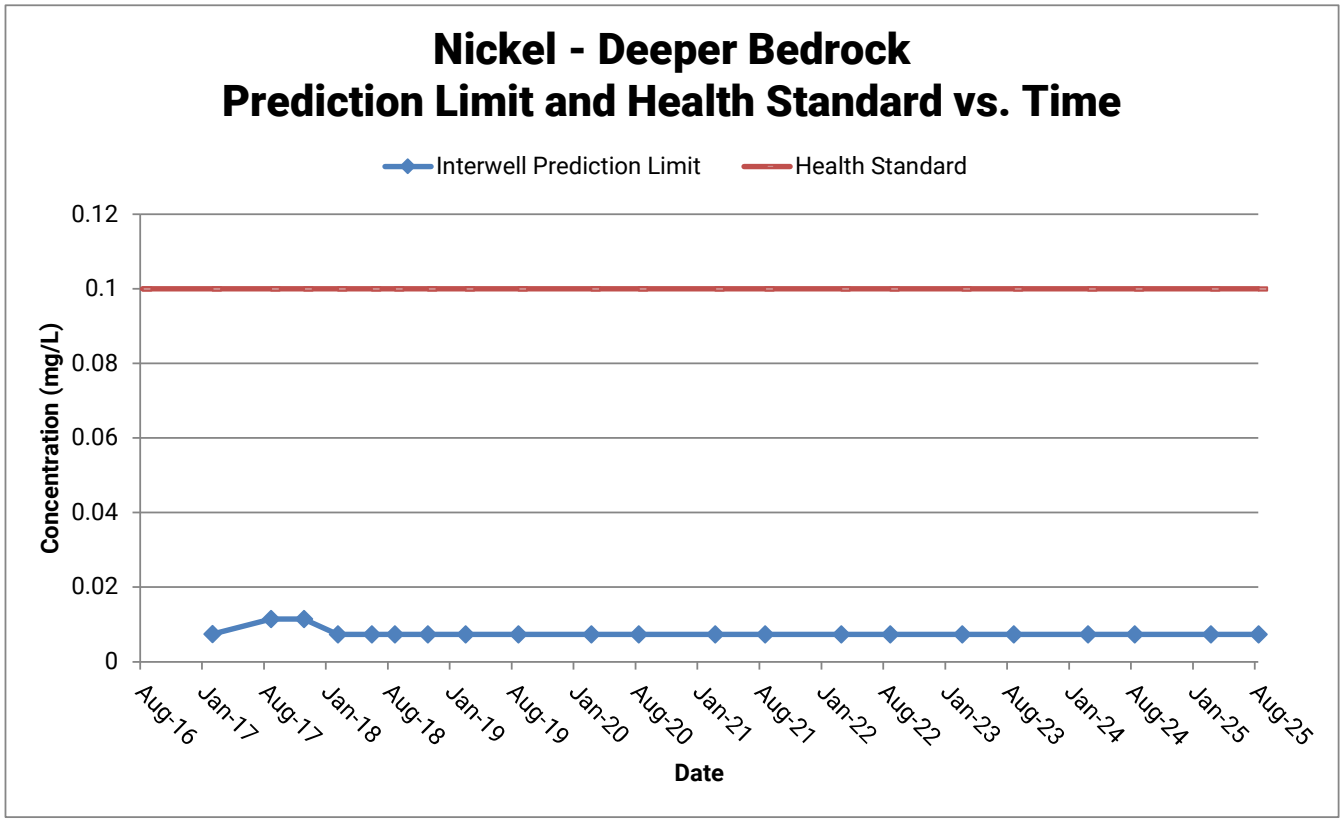
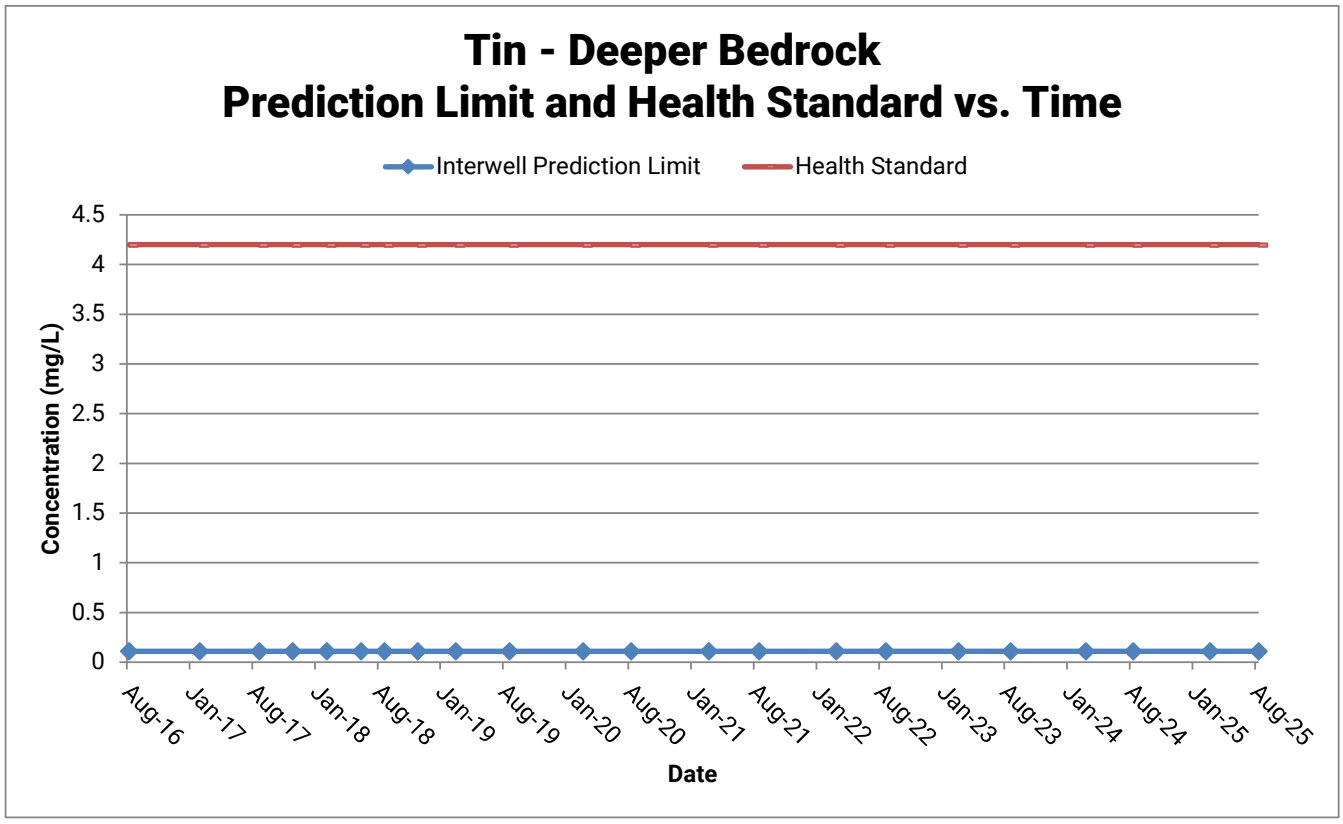
Jan-24
Aug-24
Jan-25
Aug-25
Date


Nickel - Deeper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
Concentration (mg/L)
0.12
0.1
0.08
0.06
0.04
0.02
0
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
Aug-20
Jan-21
Aug-21
Jan-22
Aug-22
Jan-23
Aug-23
Jan-24
Aug-24
Jan-25
Aug-25
Date


Tin - Deeper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
Concentration (mg/L)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
Aug-20
Jan-21
Aug-21
Jan-22
Aug-22
Jan-23
Aug-23
Jan-24
Aug-24
Jan-25
Aug-25
Date

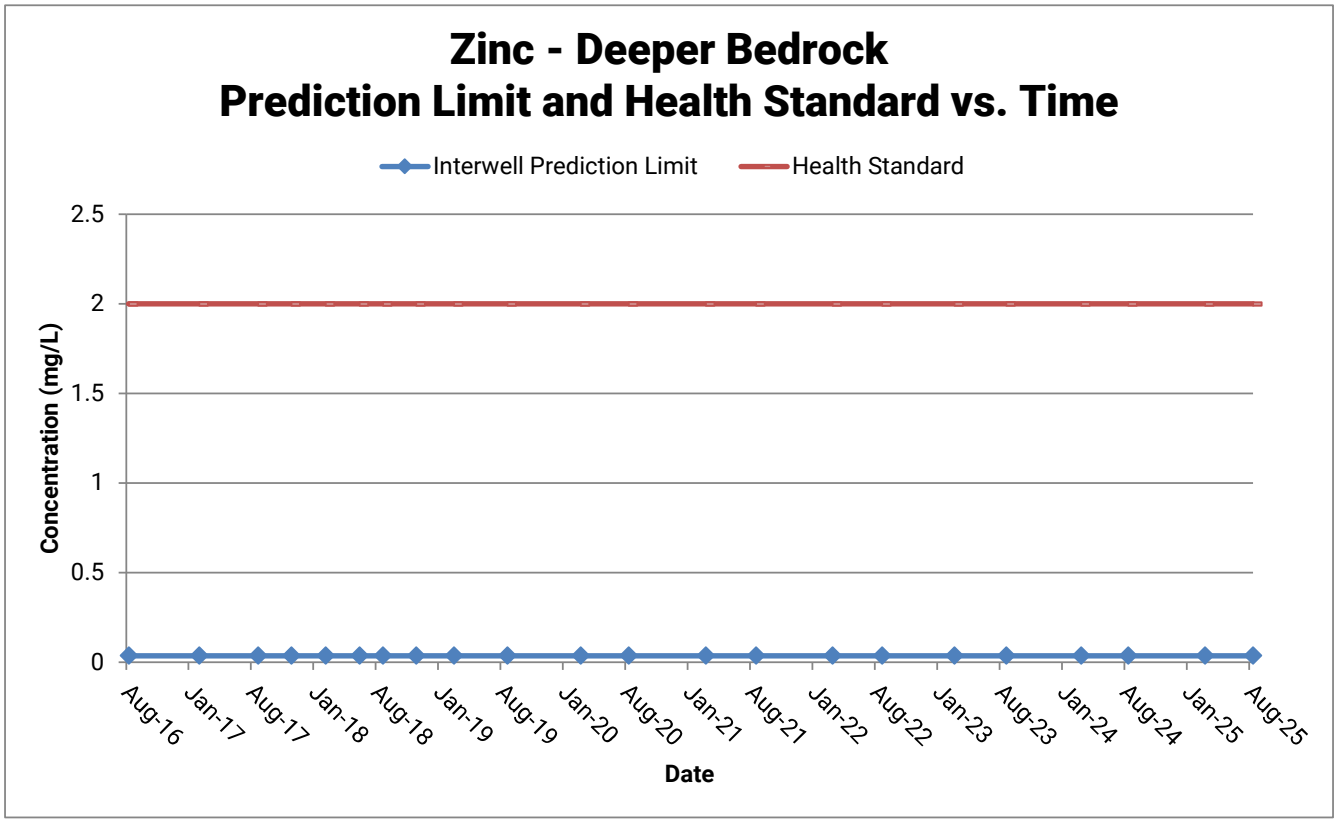

Zinc - Deeper Bedrock
Prediction Limit and Health Standard vs. Time
Interwell Prediction Limit
Health Standard
Concentration (mg/L)
2.5
2
1.5
1
0.5
0
Aug-16
Jan-17
Aug-17
Jan-18
Aug-18
Jan-19
Aug-19
Jan-20
Aug-20
Jan-21
Aug-21
Jan-22
Aug-22
Jan-23
Aug-23
Jan-24
Aug-24
Jan-25
Aug-25
Date

Table 6
Summary of Well/Detected Constituent Pairs With No Previous SSIs
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Well	Constituent [1]	Units	Most Recent Result (Aug. 2025)	Background Standard [2]
Deeper Bedrock Monitoring Locations				
Detection Monitoring Locations				
MW-31	Barium	mg/L	0.0876	0.138
	Total Suspended Solids	mg/L	2.25	N/A

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

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

Comments:

DQR = double quantification rule
mg/L = milligrams per liter
N/A = Not Applicable
SSI = statistically significant increase

[1] List contains constituents detected above the laboratory method detection limit (MDL) and includes J-flagged concentrations.

[2] Source of background standards are presented in Table 5. If a constituent isn't listed in Table 5, indicating the constituent hasn't been detected in background, then the background standard is the laboratory reporting limit.

• No SSIs were identified at deeper bedrock detection monitoring well MW-31. The future sampling schedule is provided in Table 2.

Table 7
Summary of Ongoing and Newly Identified SSIs
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Well	Constituent [1]	Units	Most Recent Result [2]	Background Standard [3]	Lower Confidence Limit	GWPS [3]	Sample Dates		
							Initial Exceedance (above background)	Resample(s) [4]	5th Background Sample
Upper Bedrock Monitoring Locations									
Assessment Monitoring Locations									
AW-3	Arsenic	mg/L	0.0196	0.00205	0.003	0.01	Fall 2011	N/S	Mar. 2010
AW-4	Arsenic	mg/L	0.00415	0.00205	0.001	0.01	Spring 2012	N/S	Mar. 2010
	Cadmium	mg/L	0.000507	0.0002	0.0002	0.005	Fall 2019	N/S	Mar. 2010
	Cobalt	mg/L	0.0164	0.008	0.0021	0.008	Fall 2025	N/S	Mar. 2010
	Copper	mg/L	0.14	0.0225	0.02	1.3	Sep. 2015	Jan. 2016	Mar. 2010
	Nickel	mg/L	0.126	0.0522	0.025	0.1	Fall 2019	N/S	Mar. 2010
	Silver	mg/L	0.00196	0.001	0.001	0.1	Fall 2022	N/S	Mar. 2010
AW-5	Arsenic	mg/L	0.00244	0.00205	0.006	0.01	Fall 2011	N/S	Mar. 2010
	Barium	mg/L	0.146	0.1415	0.13	2	Fall 2011	N/S	Mar. 2010
	Selenium	mg/L	0.0208	0.005	0.0022	0.05	Fall 2020	N/S	Mar. 2010
MW-21	Thallium	mg/L	0.00141	0.001	0.0010	0.002	Spring 2015	N/S	Mar. 2010
MW-23	Thallium	mg/L	0.00103	0.001	0.0010	0.002	Spring 2015	N/S	Mar. 2010
MW-26	Barium	mg/L	0.167	0.1415	0.19	2	Fall 2011	N/S	Mar. 2010
MW-28	Barium	mg/L	0.178	0.1415	0.23	2	Fall 2011	N/S	Mar. 2010
MW-35	Arsenic	mg/L	0.00431	0.00205	0.004	0.01	Fall 2011	N/S	Mar. 2010
	Barium	mg/L	0.156	0.1415	0.15	2	Fall 2011	N/S	Mar. 2010
VP-3	Arsenic	mg/L	0.0397	0.00205	0.005	0.01	Fall 2010	N/S	Mar. 2010
	Barium	mg/L	0.475	0.1415	0.51	2	Fall 2011	N/S	Mar. 2010
VP-4	Arsenic	mg/L	0.00306	0.00205	0.003	0.01	Fall 2011	N/S	Sep. 2010
Corrective Action Monitoring Locations - Assessment Constituents									
AW-1	Chlorobenzene	ug/L	2.92	1.00	4.8	100	Fall 2009	N/S	Mar. 2010
	Thallium	mg/L	0.00143	0.001	0.0008	0.002	Spring 2017	N/S	Sep. 2010
AW-2	1,1-Dichloroethane	ug/L	1.18	1.00	1.1	140	Spring 2010	N/S	Mar. 2010
	Barium	mg/L	0.461	0.1415	0.35	2	Fall 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	1.7	1.00	1.8	100	Fall 2009	N/S	Mar. 2010
	cis-1,2-Dichloroethene	ug/L	2.57	1.00	3.5	70	Fall 2009	N/S	Mar. 2010
MW-12	1,1-Dichloroethane	ug/L	2.55	1.00	7.3	140	Spring 2010	N/S	Mar. 2010
	1,2-Dichlorobenzene	ug/L	2.69	1.00	1.0	600	Fall 2010	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	8.93	1.00	2.2	75	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.514	0.1415	0.16	2	Fall 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	3.57	1.00	2.6	100	Fall 2009	N/S	Mar. 2010
	cis-1,2-Dichloroethene	ug/L	3.14	1.00	4.2	70	Fall 2009	N/S	Mar. 2010

Table 7
Summary of Ongoing and Newly Identified SSIs
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Well	Constituent [1]	Units	Most Recent Result [2]	Background Standard [3]	Lower Confidence Limit	GWPS [3]	Sample Dates		
							Initial Exceedance (above background)	Resample(s) [4]	5th Background Sample
Upper Bedrock Monitoring Locations Continued									
Corrective Action Monitoring Locations - Assessment Constituents Continued									
MW-12	Nickel	mg/L	0.08	0.0522	0.0623	0.1	Fall 2009	N/S	Mar. 2010
Continued	Thallium	mg/L	0.00224	0.001	0.00119	0.002	Spring 2013	N/S	Mar. 2010
MW-13	1,2-Dichlorobenzene	ug/L	2.11	1.00	2.2	600	Fall 2010	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	15.8	1.00	12.1	75	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.669	0.1415	0.57	2	Fall 2011	N/S	Mar. 2010
	Benzene	ug/L	3.35	0.500	3.82	5	Fall 2009	N/S	Mar. 2010
	Chlorobenzene	ug/L	3.88	1.00	4.2	100	Fall 2009	N/S	Mar. 2010
MW-16	1,1-Dichloroethane	ug/L	1.12	1.00	1.8	140	Spring 2010	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	5.34	1.00	2.5	75	Fall 2010	N/S	Mar. 2010
MW-17	No SSIs								
MW-20	Arsenic	mg/L	0.0123	0.00205	0.006	0.01	Spring 2012	N/S	Mar. 2010
MW-24	1,2-Dichlorobenzene	ug/L	4.04	1.00	3.9	600	Spring 2010	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	7.42	1.00	7.4	75	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.809	0.1415	0.81	2	Fall 2011	N/S	Mar. 2010
	Benzene	ug/L	4.26	0.500	4.10	5	Fall 2009	N/S	Mar. 2010
	Chlorobenzene	ug/L	39.5	1.00	33.8	100	Fall 2009	N/S	Mar. 2010
	Nickel	mg/L	0.0536	0.0522	0.008	0.1	Fall 2025	N/S	Mar. 2010
	Thallium	mg/L	0.00392	0.001	0.0006	0.002	Fall 2016	N/S	Mar. 2010
MW-30	Barium	mg/L	0.157	0.1415	0.18	2	Fall 2011	N/S	Mar. 2010
	Benzene	ug/L	1.23	0.500	1.65	5	Fall 2009	N/S	Mar. 2010
	Chloroethane	ug/L	8.2	4.00	9.6	2800	Fall 2009	N/S	Mar. 2010
	cis-1,2-Dichloroethene	ug/L	5.87	1.00	5.1	70	Fall 2009	N/S	Mar. 2010
MW-32	1,4-Dichlorobenzene	ug/L	2.09	1.00	3.3	75	Fall 2009	N/S	Mar. 2010
	Acetone	ug/L	13.2	10.0	4.1	6300	Fall 2025	N/S	Mar. 2010
	Barium	mg/L	1.46	0.1415	0.70	2	Fall 2011	N/S	Mar. 2010
	Benzene	ug/L	0.589	0.500	1.41	5	Fall 2009	N/S	Mar. 2010
	Chlorobenzene	ug/L	5.44	1.00	8.7	100	Fall 2009	N/S	Mar. 2010
	Toluene	ug/L	57.5	1.00	0.5	1000	Fall 2025	N/S	Mar. 2010
MW-34	1,4-Dichlorobenzene	ug/L	1.48	1.00	3.0	75	Fall 2009	N/S	Mar. 2010
	Acetone	ug/L	12.7	10.0	4.7	6300	Fall 2013	N/S	Mar. 2010
	Barium	mg/L	0.302	0.1415	0.25	2	Fall 2011	N/S	Mar. 2010
	Benzene	ug/L	0.72	0.500	2.16	5	Fall 2009	N/S	Mar. 2010

Table 7
Summary of Ongoing and Newly Identified SSIs
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Well	Constituent [1]	Units	Most Recent Result [2]	Background Standard [3]	Lower Confidence Limit	GWPS [3]	Sample Dates		
							Initial Exceedance (above background)	Resample(s) [4]	5th Background Sample
Upper Bedrock Monitoring Locations Continued									
Corrective Action Monitoring Locations - Assessment Constituents Continued									
MW-34	Chlorobenzene	ug/L	2.03	1.00	2.7	100	Fall 2009	N/S	Mar. 2010
Continued	Toluene	ug/L	4.62	1.00	0.5	1000	Fall 2017	N/S	Mar. 2010
Delineation Monitoring Locations - Assessment Constituents									
MW-105A	No SSIs								
MW-106A	Barium	mg/L	0.311	0.1415	0.16	2	Sep. 2013	Nov. 2013	Sep. 2014
MW-107A	Barium	mg/L	0.164	0.1415	0.10	2	Fall 2022	N/S	Sep. 2014
MW-109A	Barium	mg/L	0.199	0.1415	0.19	2	Mar. 2018	Jun. 2018	Nov. 2018
	Selenium	mg/L	0.0072	0.005	0.003	0.05	Jun. 2018	Sep. 2018	Nov. 2018
Deeper Bedrock Monitoring Locations									
Assessment Monitoring Locations									
MW-11	Cobalt	mg/L	0.000935	0.0008303	0.0007	0.0021	Fall 2016	N/S	Sep. 2010
MW-15	Cobalt	mg/L	0.00216	0.0008303	0.0015	0.0021	Fall 2016	N/S	Mar. 2011
	Nickel	mg/L	0.00934	0.00735	0.006	0.1	Mar. 2016	Jun. 2016	Mar. 2011
MW-18	Arsenic	mg/L	0.00679	0.00225	0.0009	0.01	Fall 2024	N/S	Mar. 2010
	Nickel	mg/L	0.00789	0.00735	0.009	0.1	Mar. 2015	Jun. 2015	Mar. 2010
MW-19	Nickel	mg/L	0.016	0.00735	0.007	0.1	Mar. 2015	Jun. 2015	Mar. 2010
MW-25	Barium	mg/L	0.238	0.138	0.18	2	Fall 2011	N/S	Mar. 2010
Corrective Action Monitoring Locations - Assessment Constituents									
AW-6	1,1-Dichloroethane	ug/L	2.13	1.00	2.1	140	Fall 2009	N/S	Mar. 2010
	Barium	mg/L	0.144	0.138	0.10	2	Fall 2011	N/S	Mar. 2010
	Nickel	mg/L	0.0289	0.00735	0.026	0.1	Spring 2015	N/S	Mar. 2010
CRL-9	Barium	mg/L	0.46	0.138	0.44	2	Fall 2011	N/S	Mar. 2010
	Benzene	ug/L	2.86	0.5	1.55	5	Fall 2009	N/S	Mar. 2010
	Nickel	mg/L	0.0228	0.00735	0.018	0.1	Spring 2015	N/S	Mar. 2010
MW-14	1,1-Dichloroethane	ug/L	1.65	1.00	1.7	140	Fall 2010	N/S	Mar. 2010
	1,2-Dichlorobenzene	ug/L	1.23	1.00	1.2	600	Fall 2011	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	10.2	1.00	5.3	75	Spring 2011	N/S	Mar. 2010
	Barium	mg/L	0.86	0.138	0.17	2	Fall 2011	N/S	Mar. 2010
	Benzene	ug/L	0.84	0.500	2.14	5	Fall 2009	N/S	Mar. 2010
	Chlorobenzene	ug/L	2.16	1.00	2.7	100	Fall 2010	N/S	Mar. 2010
	Cobalt	mg/L	0.000888	0.0008303	0.0008	0.0021	Fall 2016	N/S	Mar. 2010
	Nickel	mg/L	0.0155	0.00735	0.014	0.1	Fall 2009	N/S	Mar. 2010

Table 7
Summary of Ongoing and Newly Identified SSIs
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Well	Constituent [1]	Units	Most Recent Result [2]	Background Standard [3]	Lower Confidence Limit	GWPS [3]	Sample Dates		
							Initial Exceedance (above background)	Resample(s) [4]	5th Background Sample
Deeper Bedrock Monitoring Locations Continued									
Corrective Action Monitoring Locations - Assessment Constituents Continued									
MW-22	1,1-Dichloroethane	ug/L	1.84	1.00	1.7	140	Fall 2009	N/S	Mar. 2010
	1,4-Dichlorobenzene	ug/L	1.92	1.00	1.2	75	Fall 2011	N/S	Mar. 2010
	Barium	mg/L	0.48	0.138	0.61	2	Fall 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	4.05	1.00	3.2	100	Fall 2009	N/S	Mar. 2010
	Nickel	mg/L	0.0357	0.00735	0.029	0.1	Spring 2015	N/S	Mar. 2010
MW-33	Barium	mg/L	0.473	0.138	0.45	2	Fall 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	4.1	1.00	3.7	100	Fall 2009	N/S	Mar. 2010
	Cobalt	mg/L	0.00114	0.0008303	0.0012	0.0021	Fall 2016	N/S	Mar. 2010
MW-36	1,4-Dichlorobenzene	ug/L	1.39	1.00	1.7	75	Spring 2011	N/S	Mar. 2010
	Barium	mg/L	0.61	0.138	0.60	2	Fall 2011	N/S	Mar. 2010
	Chlorobenzene	ug/L	5.45	1.00	6.5	100	Fall 2010	N/S	Mar. 2010
	Cobalt	mg/L	0.00131	0.0008303	0.0013	0.0021	Fall 2016	N/S	Mar. 2010
	Nickel	mg/L	0.00856	0.00735	0.007	0.1	Spring 2015	N/S	Mar. 2010
Delineation Monitoring Locations - Assessment Constituents									
MW-102B	Cobalt	mg/L	0.00159	0.0008303	0.0007	0.0021	Aug. 2016	N/S	Sep. 2014
MW-104B	No SSI for Arsenic								
MW-105B	1,1-Dichloroethane	ug/L	3.84	1.00	2.9	140	Sep. 2013	Nov. 2013	Sep. 2014
	Arsenic	mg/L	0.00442	0.00225	0.0008	0.01	Fall 2019	N/S	Sep. 2014
	Nickel	mg/L	0.0135	0.00735	0.010	0.1	Spring 2015	N/S	Sep. 2014
MW-107B	Barium	mg/L	0.275	0.138	0.28	2	Sep. 2013	Nov. 2013	Sep. 2014
	Cobalt	mg/L	0.00138	0.0008303	0.0014	0.0021	Aug. 2016	N/S	Sep. 2014
	Nickel	mg/L	0.00993	0.00735	0.010	0.1	Mar. 2015	N/S	Sep. 2014
	Thallium	mg/L	0.00168	0.001	0.0019	0.002	Mar. 2015	N/S	Sep. 2014
MW-108B	Barium	mg/L	0.192	0.138	0.18	2	Nov. 2017	Mar. 2018	Nov. 2018
	Nickel	mg/L	0.00754	0.00735	0.007	0.1	Jun. 2018	Sep. 2018	Nov. 2018
MW-109B	1,4-Dichlorobenzene	ug/L	1.49	1.00	1.1	75	Nov. 2017	Mar. 2018	Nov. 2018
	Barium	mg/L	0.646	0.138	0.66	2	Nov. 2017	Mar. 2018	Nov. 2018
	Chlorobenzene	ug/L	6.62	1.00	6.5	100	Nov. 2017	Mar. 2018	Nov. 2018
	Nickel	mg/L	0.0335	0.00735	0.035	0.1	Nov. 2017	Mar. 2018	Nov. 2018

Table 7
Summary of Ongoing and Newly Identified SSIs
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

* For assessment monitoring locations, all current results are below background. If confirmed by a second event, location may return to detection monitoring in accordance with IAC 113.10(6)e. However, three consecutive events will be utilized to make the determination to return to detection monitoring to limit frequent fluctuation of wells moving between the detection and assessment monitoring program.

** LCL has exceeded the GWPS, this well/constituent pair is now identified as an SSL.

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

Comments:

GWPS = Groundwater Protection Standard

LCL = lower confidence limit

mg/L = milligrams per liter

MSWLF = municipal solid waste landfill

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

SSI = statistically significant increase

SSL = statistically significant level

ug/L = micrograms per liter

(1) List contains constituents which have been identified as statistically significant increases (SSIs) during the Fall 2025 statistical evaluation. Unless otherwise noted, all current results listed in this table are above background. SSIs were declared in lieu of conducting resample(s).

(2) Most recent results are from Aug. 2025.

(3) Source of background standards and Groundwater Protection Standard (GWPS) values are presented in Table 5. If the constituent isn't listed in Table 5 (indicating the constituent hasn't been detected in background), then the background standard is the laboratory reporting limit (RL), and the GWPS is the maximum contaminant level (MCL) or the statewide standard (SS) if there is no MCL. If background is higher than the MCL or SS, the GWPS is background.

(4) Upper and deeper bedrock detection, assessment, and corrective action monitoring locations initiated the Appendix I/II monitoring required by the 2007 rule revisions with assessment monitoring for the full Appendix II list starting in Aug. 2008. Since locations were already in assessment monitoring, the initial statistical exceedances over background were declared as SSIs in lieu of conducting resample(s).

• In Jun. 2025, deeper bedrock corrective action monitoring well MW-33 was resampled for lead since the Mar. 2025 result was rejected during data validation. Statistical results are provided in the Summer 2025 statistical evaluation (Appendix B). An SSI was not identified for lead in MW-33.

• No statistically significant levels (SSLs) were identified for the upper and deeper bedrock assessment monitoring locations during the Fall 2025 statistical evaluation. None of the upper and deeper bedrock assessment monitoring locations have had all Appendix II constituents below background for three consecutive sampling events; therefore, the upper and deeper bedrock assessment monitoring locations will not exit assessment monitoring at this time. Except for MW-18, no new Appendix II constituents were detected above the practical quantitation limit (PQL) at the upper and deeper bedrock assessment monitoring locations during the 5-year resampling event in Aug. 2025; therefore, no new constituents will be added to the detected Appendix II constituents at these locations during annual assessment monitoring events for the Appendix I and detected Appendix II constituents. MW-18 is discussed below.

• No SSLs were identified for the assessment constituents in the upper and deeper bedrock corrective action monitoring locations during the Fall 2025 statistical evaluation. A summary of the statistical comparisons for the corrective action constituents is provided in Table 8. Except for MW-32 and CRL-9, no new Appendix II constituents were detected above the PQL at the upper and deeper bedrockcorrective action monitoring locations during the 5-year resampling event in Aug. 2025; therefore, no new constituents will be added to the detected Appendix II constituents at these locations during semiannual/annual corrective action monitoring events for the Appendix I and detected Appendix II constituents. MW-32 and CRL-9 are discussed below.

• No SSLs were identified for the assessment constituents in the upper and deeper bedrock delineation monitoring locations during the Fall 2025 statistical evaluation. A summary of the statistical comparisons for the corrective action constituents is provided in Table 8.

Table 7
Summary of Ongoing and Newly Identified SSIs
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Comments:

• m/p-Cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18 were newly detected during the five-year resampling for the full Appendix II list conducted in Aug. 2025. Since these analytes were newly detected in MW-32, CRL-9, and MW-18, retesting was recommended. Therefore, retest samples were collected for m/p-cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18 in Dec. 2025 and analyzed in the Winter 2025 statistical evaluation (Appendix B). The Dec. 2025 resample results did not confirm the single double quantification rule (DQR) detections identified during the Fall 2025 statistical evaluation; therefore, SSIs were not declared for m/p-cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18. m/p-Cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18 will be added as detected Appendix II constituents during semiannual/annual assessment and corrective action monitoring events for the Appendix I and detected Appendix II constituents.
• Details regarding the future sampling schedules for the assessment, corrective action, and delineation monitoring locations are provided in Table 2.

Table 8
Summary of Ongoing and Newly Identified SSLs
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Well [1]	Constituent [1]	Units	Most Recent Result [1]	Upper Confidence Limit [2]	GWPS [3]	Initial Exceedance	Consecutive Compliance Dates		
							1st Occurrence	Most Recent	Duration
Upper Bedrock Monitoring Locations									
Corrective Action Monitoring Locations									
AW-1	Arsenic	mg/L	0.0354	0.0461	0.01	Fall 2011	N/A	N/A	N/A
AW-2	Arsenic	mg/L	0.0175	0.0173	0.01	Spring 2012	N/A	N/A	N/A
	Thallium	mg/L	0.00365	0.00370	0.002	Spring 2010	N/A	N/A	N/A
MW-12	Arsenic	mg/L	0.117	0.1262	0.01	Fall 2010	N/A	N/A	N/A
MW-13	Arsenic	mg/L	0.0423	0.0501	0.01	Fall 2010	N/A	N/A	N/A
MW-16	Arsenic	mg/L	0.0782	0.1219	0.01	Fall 2011	N/A	N/A	N/A
MW-17	Arsenic	mg/L	0.041	0.0598	0.01	Fall 2010	N/A	N/A	N/A
MW-20	Thallium	mg/L	0.000667 J	0.00169	0.002	Fall 2013	Fall 2024	Fall 2025	2 years
MW-24	Arsenic	mg/L	0.105	0.0526	0.01	Fall 2011	N/A	N/A	N/A
MW-30	Arsenic	mg/L	0.0144	0.0126	0.01	Fall 2010	N/A	N/A	N/A
MW-32	Arsenic	mg/L	0.532	0.0971	0.01	Fall 2011	N/A	N/A	N/A
MW-34	Arsenic	mg/L	0.0469	0.0371	0.01	Fall 2011	N/A	N/A	N/A
	Vinyl Chloride	ug/L	<1.00	2.18	2	Spring 2010	N/A	N/A	N/A
Delineation Monitoring Locations									
MW-105A	Cobalt	mg/L	0.00325	0.00519	0.008	Spring 2015	Fall 2024	Fall 2025	2 years
MW-106A	Arsenic	mg/L	0.0243	0.0160	0.01	Fall 2016	N/A	N/A	N/A
	Cobalt	mg/L	0.0253	0.01920	0.008	Fall 2015	N/A	N/A	N/A
Deeper Bedrock Monitoring Locations									
Corrective Action Monitoring Locations									
AW-6	Cobalt	mg/L	0.0084	0.00916	0.0021	Fall 2016	N/A	N/A	N/A
CRL-9	Arsenic	mg/L	0.0511	0.0411	0.01	Fall 2011	N/A	N/A	N/A
	Cobalt	mg/L	0.00464	0.00496	0.0021	Fall 2016	N/A	N/A	N/A
MW-14	Arsenic	mg/L	0.0189	0.0253	0.01	Fall 2011	N/A	N/A	N/A
MW-22	Arsenic	mg/L	0.0607	0.0517	0.01	Fall 2011	N/A	N/A	N/A
	Cobalt	mg/L	0.00255	0.00312	0.0021	Spring 2019	N/A	N/A	N/A
MW-33	Arsenic	mg/L	0.0369	0.0387	0.01	Fall 2011	N/A	N/A	N/A
MW-36	Arsenic	mg/L	0.0532	0.0692	0.01	Fall 2011	N/A	N/A	N/A
Delineation Monitoring Locations									
MW-105B	Cobalt	mg/L	0.00455	0.00372	0.0021	Spring 2019	N/A	N/A	N/A
MW-109B	Arsenic	mg/L	0.0192	0.0200	0.01	Winter 2018	N/A	N/A	N/A
	Cobalt	mg/L	0.0155	0.01735	0.0021	Fall 2018	N/A	N/A	N/A
	Thallium	mg/L	0.00425	0.00458	0.002	Fall 2018	N/A	N/A	N/A

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

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

Table 8
Summary of Ongoing and Newly Identified SSLs
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Comments:

< = less than. The sample result was not detected above the method detection limit (MDL).

GWPS = Groundwater Protection Standard

mg/L = milligrams per liter

MSWLF = municipal solid waste landfill

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

SSL = statistically significant level

ug/L = micrograms per liter

(1) The most recent results are from the Aug. 2025 event.

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

(3) Source of the Groundwater Protection Standard (GWPS) values are presented in Table 5. If the constituent isn't listed in Table 5, the GWPS is the Maximum Contaminant Level (MCL) or the Statewide Standard (SS) if there is no MCL. If background is higher than the MCL or SS, the GWPS is background.

• For the corrective action constituents in the upper bedrock corrective action and delineation monitoring locations, statistically significant levels (SSLs) over the GWPS remained for arsenic in AW-1, AW-2, MW-12, MW-13, MW-16, MW-17, MW-24, MW-30, MW-32, MW-34, and MW-106A; for cobalt in MW-106A; for thallium in AW-2; and for vinyl chloride in MW-34. While compliance with the GWPS was not achieved, statistically significant decreasing trends were identified for arsenic in AW-1, MW-12, MW-13, MW-16, MW-17, MW-24, MW-30, and MW-34; thallium in AW-2; and vinyl chloride in MW-34.

• Compliance with the GWPS remained for thallium in MW-20 and cobalt in MW-105A during the Fall 2025 statistical evaluation. In accordance with IAC 113.10(9)e(2), thallium in MW-20 and cobalt in MW-105A will return as assessment constituents in 2027 if the constituent/well pairs remain below the GWPS in the interim statistical evaluations.

• For the corrective action constituents in the deeper bedrock corrective action and delineation monitoring locations, SSLs over the GWPS remained for arsenic in CRL-9, MW-14, MW-22, MW-33, MW-36, and MW-109B; for cobalt in AW-6, CRL-9, MW-22, MW-105B, and MW-109B; and for thallium in MW-109B. While compliance with the GWPS was not achieved, statistically significant decreasing trends were identified for arsenic, cobalt, and thallium in MW-109B.

• No changes are recommended for the upper and deeper bedrock corrective action and delineation monitoring locations based on the corrective action statistical results conducted during the Fall 2025 statistical evaluation.

Table 9
Historic SSIs and SSLs
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75P

Key:
gray = SSI
black = SSL
orange = SSL achieved compliance with the GWPS (1 event)

Well	Constituent	Spring 2017	Fall 2017	Spring 2018	Summer 2018	Fall 2018	Winter 2018	Spring 2019	Fall 2019	Spring 2020	Fall 2020	Winter 2020	Spring 2021	Fall 2021
Upper Bedrock Monitoring Locations														
Downgradient Monitoring Locations														
AW-1	1,4-Dichlorobenzene				N.S.		N.S.					N.S.	N.S.	
	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Cadmium				N.S.		N.S.					N.S.	N.S.	
	Chlorobenzene				N.S.		N.S.					N.S.	N.S.	
	Nickel				N.S.		N.S.					N.S.	N.S.	
	Silver				N.S.		N.S.					N.S.	N.S.	
	Thallium				N.S.		N.S.					N.S.	N.S.	
	Zinc				N.S.		N.S.					N.S.	N.S.	
AW-2	1,1-Dichloroethane				N.S.		N.S.					N.S.	N.S.	
	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Benzene				N.S.		N.S.					N.S.	N.S.	
	Chlorobenzene				N.S.		N.S.					N.S.	N.S.	
	cis-1,2-Dichloroethene				N.S.		N.S.					N.S.	N.S.	
	Thallium				N.S.		N.S.					N.S.	N.S.	
	Toluene				N.S.		N.S.					N.S.	N.S.	
AW-3	1,1-Dichloroethane				N.S.		N.S.					N.S.	N.S.	
	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Cadmium				N.S.		N.S.					N.S.	N.S.	
	Silver				N.S.		N.S.					N.S.	N.S.	
	Toluene				N.S.		N.S.					N.S.	N.S.	
AW-4	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Cadmium				N.S.		N.S.					N.S.	N.S.	
	Cobalt				N.S.		N.S.					N.S.	N.S.	
	Copper				N.S.		N.S.					N.S.	N.S.	
	Nickel				N.S.		N.S.					N.S.	N.S.	
	Silver				N.S.		N.S.					N.S.	N.S.	
AW-5	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Cadmium				N.S.		N.S.					N.S.	N.S.	
	Chromium				N.S.		N.S.					N.S.	N.S.	
	Cobalt [1]				N.S.		N.S.					N.S.	N.S.	
	Selenium				N.S.		N.S.					N.S.	N.S.	
	Silver				N.S.		N.S.					N.S.	N.S.	
	Thallium				N.S.		N.S.					N.S.		
MW-12	1,1-Dichloroethane				N.S.		N.S.					N.S.		
	1,2-Dichlorobenzene				N.S.		N.S.					N.S.		
	1,4-Dichlorobenzene				N.S.		N.S.					N.S.		
	Arsenic				N.S.		N.S.					N.S.		
	Barium				N.S.		N.S.					N.S.		
	Benzene				N.S.		N.S.					N.S.		
	Chlorobenzene				N.S.		N.S.					N.S.		
	cis-1,2 Dichloroethene				N.S.		N.S.					N.S.		
	Nickel [2]				N.S.		N.S.					N.S.		

Table 9
Historic SSIs and SSLs
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75P

Key: gray = SSI black = SSL orange = SSL achieved compliance with the GWPS (1 event)		Spring	Fall	Winter	Spring	Fall	Spring	Fall	Spring	Summer	Fall	Winter
Well	**Constituent**	**2022**	**2022**	**2023**	**2023**	**2023**	**2024**	**2024**	**2025**	**2025**	**2025**	**2025**
Upper Bedrock Monitoring Locations												
Downgradient Monitoring Locations												
AW-1	1,4-Dichlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cadmium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Silver	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Thallium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Zinc	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
AW-2	1,1-Dichloroethane	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Benzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	cis-1,2-Dichloroethene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Thallium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Toluene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
AW-3	1,1-Dichloroethane	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cadmium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Silver	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Toluene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
AW-4	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cadmium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cobalt	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Copper	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Silver	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
AW-5	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cadmium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chromium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cobalt [1]	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Selenium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Silver	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Thallium			N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-12	1,1-Dichloroethane			N.S.						N.S.		N.S.
	1,2-Dichlorobenzene			N.S.						N.S.		N.S.
	1,4-Dichlorobenzene			N.S.						N.S.		N.S.
	Arsenic			N.S.						N.S.		N.S.
	Barium			N.S.						N.S.		N.S.
	Benzene			N.S.						N.S.		N.S.
	Chlorobenzene			N.S.						N.S.		N.S.
	cis-1,2 Dichloroethene			N.S.						N.S.		N.S.
	Nickel [2]			N.S.						N.S.		N.S.

Table 9
Historic SSIs and SSLs
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Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75P

Key:
gray = SSI
black = SSL
orange = SSL achieved compliance with the GWPS (1 event)

Well	Constituent	Spring 2017	Fall 2017	Spring 2018	Summer 2018	Fall 2018	Winter 2018	Spring 2019	Fall 2019	Spring 2020	Fall 2020	Winter 2020	Spring 2021	Fall 2021
Upper Bedrock Monitoring Locations Continued														
Downgradient Monitoring Locations Continued														
MW-12	Thallium				N.S.		N.S.					N.S.		
Continued	Vinyl Chloride				N.S.		N.S.					N.S.		
MW-13	1,1-Dichloroethane				N.S.		N.S.					N.S.		
	1,2-Dichlorobenzene				N.S.		N.S.					N.S.		
	1,4-Dichlorobenzene				N.S.		N.S.					N.S.		
	Arsenic				N.S.		N.S.					N.S.		
	Acetone				N.S.		N.S.					N.S.		
	Barium				N.S.		N.S.					N.S.		
	Benzene				N.S.		N.S.					N.S.		
	Chlorobenzene				N.S.		N.S.					N.S.		
	Chloroethane				N.S.		N.S.					N.S.		
	cis-1,2 Dichloroethene				N.S.		N.S.					N.S.		
	Cobalt [2]				N.S.		N.S.					N.S.		
	Nickel [2]				N.S.		N.S.					N.S.		
	Vinyl Chloride [2]				N.S.		N.S.					N.S.		
MW-16	1,1-Dichloroethane				N.S.		N.S.					N.S.		
	1,2-Dichlorobenzene				N.S.		N.S.					N.S.		
	1,4-Dichlorobenzene				N.S.		N.S.					N.S.		
	Arsenic				N.S.		N.S.					N.S.		
	Barium				N.S.		N.S.					N.S.		
	Benzene				N.S.		N.S.					N.S.		
	Cadmium				N.S.		N.S.					N.S.		
	Chlorobenzene				N.S.		N.S.					N.S.		
	cis-1,2 Dichloroethene				N.S.		N.S.					N.S.		
	Ethylbenzene				N.S.		N.S.					N.S.		
	Silver				N.S.		N.S.					N.S.		
	Thallium				N.S.		N.S.					N.S.		
	Nickel				N.S.		N.S.					N.S.		
MW-17	Arsenic				N.S.		N.S.					N.S.		
	Barium				N.S.		N.S.					N.S.		
	Cobalt [1]				N.S.		N.S.					N.S.		
MW-20	Arsenic [3]				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Cadmium				N.S.		N.S.					N.S.	N.S.	
	Chromium				N.S.		N.S.					N.S.	N.S.	
	Chlorobenzene				N.S.		N.S.					N.S.	N.S.	
	Thallium				N.S.		N.S.					N.S.	N.S.	
	Zinc				N.S.		N.S.					N.S.	N.S.	
MW-21	1,1-Dichloroethane				N.S.		N.S.					N.S.	N.S.	
	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Cadmium				N.S.		N.S.					N.S.	N.S.	
	Chlorobenzene				N.S.		N.S.					N.S.	N.S.	
	cis-1,2 Dichloroethene				N.S.		N.S.					N.S.	N.S.	
	Nickel				N.S.		N.S.					N.S.	N.S.	

Table 9
Historic SSIs and SSLs
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75P

Key: gray = SSI black = SSL orange = SSL achieved compliance with the GWPS (1 event)		Spring	Fall	Winter	Spring	Fall	Spring	Fall	Spring	Summer	Fall	Winter
Well	**Constituent**	**2022**	**2022**	**2023**	**2023**	**2023**	**2024**	**2024**	**2025**	**2025**	**2025**	**2025**
Upper Bedrock Monitoring Locations Continued												
Downgradient Monitoring Locations Continued												
MW-12	Thallium			N.S.						N.S.		N.S.
Continued	Vinyl Chloride			N.S.						N.S.		N.S.
MW-13	1,1-Dichloroethane			N.S.						N.S.		N.S.
	1,2-Dichlorobenzene			N.S.						N.S.		N.S.
	1,4-Dichlorobenzene			N.S.						N.S.		N.S.
	Arsenic			N.S.						N.S.		N.S.
	Acetone			N.S.						N.S.		N.S.
	Barium			N.S.						N.S.		N.S.
	Benzene			N.S.						N.S.		N.S.
	Chlorobenzene			N.S.						N.S.		N.S.
	Chloroethane			N.S.						N.S.		N.S.
	cis-1,2 Dichloroethene			N.S.						N.S.		N.S.
	Cobalt [2]			N.S.						N.S.		N.S.
	Nickel [2]			N.S.						N.S.		N.S.
	Vinyl Chloride [2]			N.S.						N.S.		N.S.
MW-16	1,1-Dichloroethane			N.S.						N.S.		N.S.
	1,2-Dichlorobenzene			N.S.						N.S.		N.S.
	1,4-Dichlorobenzene			N.S.						N.S.		N.S.
	Arsenic			N.S.						N.S.		N.S.
	Barium			N.S.						N.S.		N.S.
	Benzene			N.S.						N.S.		N.S.
	Cadmium			N.S.						N.S.		N.S.
	Chlorobenzene			N.S.						N.S.		N.S.
	cis-1,2 Dichloroethene			N.S.						N.S.		N.S.
	Ethylbenzene			N.S.						N.S.		N.S.
	Silver			N.S.						N.S.		N.S.
	Thallium			N.S.						N.S.		N.S.
	Nickel			N.S.						N.S.		N.S.
MW-17	Arsenic			N.S.						N.S.		N.S.
	Barium			N.S.						N.S.		N.S.
	Cobalt [1]			N.S.						N.S.		N.S.
MW-20	Arsenic [3]	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cadmium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chromium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Thallium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Zinc	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-21	1,1-Dichloroethane	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cadmium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	cis-1,2 Dichloroethene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.

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Key: gray = SSI black = SSL orange = SSL achieved compliance with the GWPS (1 event)		Spring	Fall	Spring	Summer	Fall	Winter	Spring	Fall	Spring	Fall	Winter	Spring	Fall
Well	**Constituent**	**2017**	**2017**	**2018**	**2018**	**2018**	**2018**	**2019**	**2019**	**2020**	**2020**	**2020**	**2021**	**2021**
Upper Bedrock Monitoring Locations Continued														
Downgradient Monitoring Locations Continued														
MW-21	Thallium				N.S.		N.S.					N.S.	N.S.	
Continued	Zinc				N.S.		N.S.					N.S.	N.S.	
MW-23	Barium				N.S.		N.S.					N.S.	N.S.	
	Cadmium				N.S.		N.S.					N.S.	N.S.	
	Cobalt				N.S.		N.S.					N.S.	N.S.	
	Thallium				N.S.		N.S.					N.S.	N.S.	
	Zinc				N.S.		N.S.					N.S.	N.S.	
MW-24	1,2-Dichlorobenzene				N.S.		N.S.					N.S.	N.S.	
	1,4-Dichlorobenzene				N.S.		N.S.					N.S.	N.S.	
	2,4-D	N.S.	N.S.	N.S	N.S	N.S	N.S	N.S	N.S	N.S		N.S.	N.S.	
	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Benzene				N.S.		N.S.					N.S.	N.S.	
	Chlorobenzene				N.S.		N.S.					N.S.	N.S.	
	cis-1,2-Dichloroethene				N.S.		N.S.					N.S.	N.S.	
	Nickel				N.S.		N.S.					N.S.	N.S.	
	Thallium				N.S.		N.S.					N.S.	N.S.	
MW-26	Acetone				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Benzene				N.S.		N.S.					N.S.	N.S.	
	Chlorobenzene				N.S.		N.S.					N.S.	N.S.	
	Heptachlor				N.S.		N.S.					N.S.	N.S.	
	Toluene				N.S.		N.S.					N.S.	N.S.	
MW-28	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
MW-30	1,1-Dichloroethane				N.S.		N.S.					N.S.	N.S.	
	1,2-Dichlorobenzene				N.S.		N.S.					N.S.	N.S.	
	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Benzene				N.S.		N.S.					N.S.	N.S.	
	Chlorobenzene				N.S.		N.S.					N.S.	N.S.	
	Chloroethane				N.S.		N.S.					N.S.	N.S.	
	Chromium				N.S.		N.S.					N.S.	N.S.	
	cis-1,2-Dichloroethene				N.S.		N.S.					N.S.	N.S.	
	Nickel				N.S.		N.S.					N.S.	N.S.	
	Thallium				N.S.		N.S.					N.S.	N.S.	
	trans-1,2-Dichloroethene				N.S.		N.S.					N.S.	N.S.	
	Vinyl Chloride				N.S.		N.S.					N.S.	N.S.	
	Zinc				N.S.		N.S.					N.S.	N.S.	
MW-32	1,2-Dichlorobenzene				N.S.		N.S.					N.S.		
	1,4-Dichlorobenzene				N.S.		N.S.					N.S.		
	Acetone				N.S.		N.S.					N.S.		
	Arsenic				N.S.		N.S.					N.S.		
	Barium				N.S.		N.S.					N.S.		
	Benzene				N.S.		N.S.					N.S.		
	Cadmium				N.S.		N.S.					N.S.		
	Chlorobenzene				N.S.		N.S.					N.S.		

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Key: gray = SSI black = SSL orange = SSL achieved compliance with the GWPS (1 event)		Spring	Fall	Winter	Spring	Fall	Spring	Fall	Spring	Summer	Fall	Winter
Well	**Constituent**	**2022**	**2022**	**2023**	**2023**	**2023**	**2024**	**2024**	**2025**	**2025**	**2025**	**2025**
Upper Bedrock Monitoring Locations Continued												
Downgradient Monitoring Locations Continued												
MW-21	Thallium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
Continued	Zinc	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-23	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cadmium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cobalt	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Thallium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Zinc	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-24	1,2-Dichlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	1,4-Dichlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	2,4-D	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Benzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	cis-1,2-Dichloroethene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Thallium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-26	Acetone	N.S.					N.S.		N.S.	N.S.		N.S.
	Barium	N.S.					N.S.		N.S.	N.S.		N.S.
	Benzene	N.S.					N.S.		N.S.	N.S.		N.S.
	Chlorobenzene	N.S.					N.S.		N.S.	N.S.		N.S.
	Heptachlor	N.S.	N.S.				N.S.		N.S.	N.S.		N.S.
	Toluene	N.S.					N.S.		N.S.	N.S.		N.S.
MW-28	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-30	1,1-Dichloroethane	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	1,2-Dichlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Benzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chloroethane	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chromium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	cis-1,2-Dichloroethene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Thallium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	trans-1,2-Dichloroethene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Vinyl Chloride	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Zinc	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-32	1,2-Dichlorobenzene			N.S.						N.S.		N.S.
	1,4-Dichlorobenzene			N.S.						N.S.		N.S.
	Acetone			N.S.						N.S.		N.S.
	Arsenic			N.S.						N.S.		N.S.
	Barium			N.S.						N.S.		N.S.
	Benzene			N.S.						N.S.		N.S.
	Cadmium			N.S.						N.S.		N.S.
	Chlorobenzene			N.S.						N.S.		N.S.

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Key: gray = SSI black = SSL orange = SSL achieved compliance with the GWPS (1 event)		Spring	Fall	Spring	Summer	Fall	Winter	Spring	Fall	Spring	Fall	Winter	Spring	Fall
Well	**Constituent**	**2017**	**2017**	**2018**	**2018**	**2018**	**2018**	**2019**	**2019**	**2020**	**2020**	**2020**	**2021**	**2021**
Upper Bedrock Monitoring Locations Continued														
Downgradient Monitoring Locations Continued														
MW-32	Cobalt				N.S.		N.S.					N.S.		
Continued	m/p-Cresol				N.S.		N.S.					N.S.		
	Nickel				N.S.		N.S.					N.S.		
	Toluene				N.S.		N.S.					N.S.		
MW-34	1,1-Dichloroethane				N.S.		N.S.					N.S.	N.S.	
	1,2-Dichlorobenzene				N.S.		N.S.					N.S.	N.S.	
	1,4-Dichlorobenzene				N.S.		N.S.					N.S.	N.S.	
	Acetone				N.S.		N.S.					N.S.	N.S.	
	alpha-BHC				N.S.		N.S.					N.S.	N.S.	
	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Benzene				N.S.		N.S.					N.S.	N.S.	
	Chlorobenzene				N.S.		N.S.					N.S.	N.S.	
	Chloroethane				N.S.		N.S.					N.S.	N.S.	
	Chromium				N.S.		N.S.					N.S.	N.S.	
	cis-1,2-Dichloroethene				N.S.		N.S.					N.S.	N.S.	
	Nickel				N.S.		N.S.					N.S.	N.S.	
	Toluene				N.S.		N.S.					N.S.	N.S.	
	trans-1,2-Dichloroethene				N.S.		N.S.					N.S.	N.S.	
	Vinyl Chloride				N.S.		N.S.					N.S.	N.S.	
MW-35	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Cadmium				N.S.		N.S.					N.S.	N.S.	
	Cobalt [5]				N.S.		N.S.					N.S.	N.S.	
	Lead				N.S.		N.S.					N.S.	N.S.	
	Selenium				N.S.		N.S.					N.S.	N.S.	
VP-3	Arsenic [2]				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Benzene				N.S.		N.S.					N.S.	N.S.	
	Chlorobenzene				N.S.		N.S.					N.S.	N.S.	
VP-4	Arsenic				N.S.		N.S.					N.S.	N.S.	
Delineation Monitoring Locations														
MW-105A	Cadmium				N.S.		N.S.					N.S.	N.S.	
	Cobalt				N.S.		N.S.					N.S.	N.S.	
MW-106A	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Cobalt				N.S.		N.S.					N.S.	N.S.	
	Nickel				N.S.		N.S.					N.S.	N.S.	
MW-107A	Barium				N.S.		N.S.					N.S.	N.S.	
	Cadmium				N.S.		N.S.					N.S.	N.S.	
	Chlorobenzene				N.S.		N.S.					N.S.	N.S.	
MW-109A	Barium	N.S.	N.S.									N.S.	N.S.	
	Selenium	N.S.	N.S.									N.S.	N.S.	

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Key:
gray = SSI
black = SSL
orange = SSL achieved compliance with the GWPS (1 event)

Well	Constituent	Spring 2022	Fall 2022	Winter 2023	Spring 2023	Fall 2023	Spring 2024	Fall 2024	Spring 2025	Summer 2025	Fall 2025	Winter 2025
Upper Bedrock Monitoring Locations Continued												
Downgradient Monitoring Locations Continued												
MW-32	Cobalt			N.S.						N.S.		N.S.
Continued	m/p-Cresol			N.S.						N.S.	(4)	(4)
	Nickel			N.S.						N.S.		N.S.
	Toluene			N.S.						N.S.		N.S.
MW-34	1,1-Dichloroethane	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	1,2-Dichlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	1,4-Dichlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Acetone	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	alpha-BHC	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Benzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chloroethane	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chromium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	cis-1,2-Dichloroethene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Toluene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	trans-1,2-Dichloroethene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Vinyl Chloride	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-35	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cadmium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cobalt (5)	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Lead	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.	N/A (6)	(6)
	Selenium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
VP-3	Arsenic (2)	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Benzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
VP-4	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
Delineation Monitoring Locations												
MW-105A	Cadmium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cobalt	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-106A	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cobalt	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-107A	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cadmium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-109A	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Selenium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.

Table 9
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Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75P

Key:
gray = SSI
black = SSL
orange = SSL achieved compliance with the GWPS (1 event)

Well	Constituent	Spring 2017	Fall 2017	Spring 2018	Summer 2018	Fall 2018	Winter 2018	Spring 2019	Fall 2019	Spring 2020	Fall 2020	Winter 2020	Spring 2021	Fall 2021
Deeper Bedrock Monitoring Locations														
Downgradient Monitoring Locations														
AW-6	1,1-Dichloroethane				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Cobalt				N.S.		N.S.					N.S.	N.S.	
	Nickel				N.S.		N.S.					N.S.	N.S.	
CRL-9	1,1-Dichloroethane				N.S.		N.S.					N.S.	N.S.	
	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Benzene				N.S.		N.S.					N.S.	N.S.	
	Chlorobenzene				N.S.		N.S.					N.S.	N.S.	
	Chromium				N.S.		N.S.					N.S.	N.S.	
	Cobalt				N.S.		N.S.					N.S.	N.S.	
	Nickel				N.S.		N.S.					N.S.	N.S.	
	o-Toluidine				N.S.		N.S.					N.S.	N.S.	
	Sulfide				N.S.		N.S.					N.S.	N.S.	
	Toluene				N.S.		N.S.					N.S.	N.S.	
MW-11	1,1-Dichloroethane				N.S.		N.S.					N.S.	N.S.	
	Cobalt				N.S.		N.S.					N.S.	N.S.	
MW-14	1,1-Dichloroethane				N.S.		N.S.					N.S.		
	1,2-Dichlorobenzene				N.S.		N.S.					N.S.		
	1,4-Dichlorobenzene				N.S.		N.S.					N.S.		
	Arsenic				N.S.		N.S.					N.S.		
	Barium				N.S.		N.S.					N.S.		
	Benzene				N.S.		N.S.					N.S.		
	Chlorobenzene				N.S.		N.S.					N.S.		
	Chloroethane				N.S.		N.S.					N.S.		
	Chromium				N.S.		N.S.					N.S.		
	cis-1,2-Dichloroethene				N.S.		N.S.					N.S.		
	Cobalt				N.S.		N.S.					N.S.		
	Nickel				N.S.		N.S.					N.S.		
	Silver				N.S.		N.S.					N.S.		
	Toluene				N.S.		N.S.					N.S.		
	Zinc				N.S.		N.S.					N.S.		
MW-15	Cobalt				N.S.		N.S.					N.S.	N.S.	
	Nickel				N.S.		N.S.					N.S.	N.S.	
	Silver				N.S.		N.S.					N.S.	N.S.	
MW-18	Arsenic													
	Methoxychlor													
	Nickel				N.S.		N.S.					N.S.	N.S.	
MW-19	Carbon Disulfide				N.S.		N.S.					N.S.	N.S.	
	Nickel				N.S.		N.S.					N.S.	N.S.	
MW-22	1,1-Dichloroethane				N.S.		N.S.					N.S.	N.S.	
	1,2-Dichlorobenzene				N.S.		N.S.					N.S.	N.S.	
	1,4-Dichlorobenzene				N.S.		N.S.					N.S.	N.S.	
	2-Butanone				N.S.		N.S.					N.S.	N.S.	
	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Chlorobenzene				N.S.		N.S.					N.S.	N.S.	

Table 9
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Permit No. 57-SDP-03-75P

Key: gray = SSI black = SSL orange = SSL achieved compliance with the GWPS (1 event)		Spring	Fall	Winter	Spring	Fall	Spring	Fall	Spring	Summer	Fall	Winter
Well	**Constituent**	**2022**	**2022**	**2023**	**2023**	**2023**	**2024**	**2024**	**2025**	**2025**	**2025**	**2025**
Deeper Bedrock Monitoring Locations												
Downgradient Monitoring Locations												
AW-6	1,1-Dichloroethane	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cobalt	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
CRL-9	1,1-Dichloroethane	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Benzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chromium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cobalt	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	o-Toluidine	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.	(4)	(4)
	Sulfide	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.	(4)	(4)
	Toluene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-11	1,1-Dichloroethane	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cobalt	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-14	1,1-Dichloroethane			N.S.						N.S.		N.S.
	1,2-Dichlorobenzene			N.S.						N.S.		N.S.
	1,4-Dichlorobenzene			N.S.						N.S.		N.S.
	Arsenic			N.S.						N.S.		N.S.
	Barium			N.S.						N.S.		N.S.
	Benzene			N.S.						N.S.		N.S.
	Chlorobenzene			N.S.						N.S.		N.S.
	Chloroethane			N.S.						N.S.		N.S.
	Chromium			N.S.						N.S.		N.S.
	cis-1,2-Dichloroethene			N.S.						N.S.		N.S.
	Cobalt			N.S.						N.S.		N.S.
	Nickel			N.S.						N.S.		N.S.
	Silver			N.S.						N.S.		N.S.
	Toluene			N.S.						N.S.		N.S.
	Zinc			N.S.						N.S.		N.S.
MW-15	Cobalt	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Silver	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-18	Arsenic						N.S.		N.S.	N.S.		N.S.
	Methoxychlor										(4)	(4)
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-19	Carbon Disulfide	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-22	1,1-Dichloroethane	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	1,2-Dichlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	1,4-Dichlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	2-Butanone	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.

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Key: gray = SSI black = SSL orange = SSL achieved compliance with the GWPS (1 event)		Spring	Fall	Spring	Summer	Fall	Winter	Spring	Fall	Spring	Fall	Winter	Spring	Fall
Well	**Constituent**	**2017**	**2017**	**2018**	**2018**	**2018**	**2018**	**2019**	**2019**	**2020**	**2020**	**2020**	**2021**	**2021**
Deeper Bedrock Monitoring Locations Continued														
Downgradient Monitoring Locations Continued														
MW-22 Continued	cis-1,2-Dichloroethene				N.S		N.S					N.S.	N.S.	
	Cobalt				N.S.		N.S.					N.S.	N.S.	
	Nickel				N.S.		N.S.					N.S.	N.S.	
	Thallium				N.S.		N.S.					N.S.	N.S.	
MW-25	1,1-Dichloroethane				N.S.		N.S.					N.S.	N.S.	
	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	cis-1,2-Dichloroethene				N.S		N.S					N.S.	N.S.	
	Lead				N.S		N.S					N.S	N.S	
	Thallium				N.S		N.S					N.S.	N.S.	
MW-31	No SSIs or SSLs													
MW-33	1,4-Dichlorobenzene				N.S.		N.S.					N.S.		
	Arsenic				N.S.		N.S.					N.S.		
	Barium				N.S.		N.S.					N.S.		
	Benzene				N.S.		N.S.					N.S.		
	Cadmium				N.S.		N.S.					N.S.		
	Chlorobenzene				N.S.		N.S.					N.S.		
	Cobalt				N.S.		N.S.					N.S.		
	Lead				N.S.		N.S.					N.S.		
	Nickel				N.S.		N.S.					N.S.		
	Zinc				N.S.		N.S.					N.S.		
MW-36	1,4-Dichlorobenzene				N.S.		N.S.					N.S.	N.S.	
	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Benzene				N.S.		N.S.					N.S.	N.S.	
	Chlorobenzene				N.S.		N.S.					N.S.	N.S.	
	Chromium				N.S.		N.S.					N.S.	N.S.	
	Cobalt				N.S.		N.S.					N.S.	N.S.	
	Nickel				N.S.		N.S.					N.S.	N.S.	
Delineation Monitoring Locations														
MW-102B	Barium				N.S.	N.S.	N.S.	N.S.				N.S.	N.S.	
	Cobalt				N.S.	N.S.	N.S.	N.S.				N.S.	N.S.	
MW-104B [7]	Arsenic				N.S.		N.S.					N.S.	N.S.	
MW-105B	1,1-Dichloroethane				N.S.		N.S.					N.S.	N.S.	
	Arsenic				N.S.		N.S.					N.S.	N.S.	
	Barium				N.S.		N.S.					N.S.	N.S.	
	Beryllium				N.S.		N.S.					N.S.	N.S.	
	cis-1,2-Dichloroethene				N.S.		N.S.					N.S.	N.S.	
	Cobalt				N.S.		N.S.					N.S.	N.S.	
	Nickel				N.S.		N.S.					N.S.	N.S.	
	Selenium				N.S.		N.S.					N.S.	N.S.	
	Silver				N.S.		N.S.					N.S.	N.S.	
	Thallium				N.S.		N.S.					N.S.	N.S.	
MW-107B	Barium				N.S.		N.S.					N.S.	N.S.	
	Cobalt				N.S.		N.S.					N.S.	N.S.	
	Nickel				N.S.		N.S.					N.S.	N.S.	

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Key: gray = SSI black = SSL orange = SSL achieved compliance with the GWPS (1 event)		Spring	Fall	Winter	Spring	Fall	Spring	Fall	Spring	Summer	Fall	Winter
Well	**Constituent**	**2022**	**2022**	**2023**	**2023**	**2023**	**2024**	**2024**	**2025**	**2025**	**2025**	**2025**
Deeper Bedrock Monitoring Locations Continue												
Downgradient Monitoring Locations Continued												
MW-22 Continued	cis-1,2-Dichloroethene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cobalt	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Thallium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-25	1,1-Dichloroethane	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	cis-1,2-Dichloroethene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Lead	N.S		N.S	N.S		N.S		N.S	N.S		N.S
	Thallium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-31	No SSIs or SSLs											
MW-33	1,4-Dichlorobenzene			N.S.						N.S.		N.S.
	Arsenic			N.S.						N.S.		N.S.
	Barium			N.S.						N.S.		N.S.
	Benzene			N.S.						N.S.		N.S.
	Cadmium			N.S.						N.S.		N.S.
	Chlorobenzene			N.S.						N.S.		N.S.
	Cobalt			N.S.						N.S.		N.S.
	Lead			N.S.						N.S.		N.S.
	Nickel			N.S.						N.S.		N.S.
	Zinc			N.S.						N.S.		N.S.
MW-36	1,4-Dichlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Benzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chlorobenzene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Chromium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cobalt	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
Delineation Monitoring Locations												
MW-102B	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cobalt	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-104B [(7)]	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-105B	1,1-Dichloroethane	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Arsenic	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Beryllium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	cis-1,2-Dichloroethene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cobalt	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Selenium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Silver	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Thallium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-107B	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Cobalt	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.

Table 9
Historic SSIs and SSLs
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75P

Key: gray = SSI black = SSL orange = SSL achieved compliance with the GWPS (1 event)		Spring	Fall	Spring	Summer	Fall	Winter	Spring	Fall	Spring	Fall	Winter	Spring	Fall
Well	**Constituent**	**2017**	**2017**	**2018**	**2018**	**2018**	**2018**	**2019**	**2019**	**2020**	**2020**	**2020**	**2021**	**2021**
Deeper Bedrock Monitoring Locations Continued														
Delineation Monitoring Locations Continued														
MW-107B	Thallium				N.S.		N.S.					N.S.	N.S.	
Continued	Toluene				N.S.		N.S.					N.S.	N.S.	
MW-108B [8]	Barium	N.S.	N.S.									N.S.	N.S.	
	Nickel	N.S.	N.S.									N.S.	N.S.	
MW-109B	1,1-Dichloroethane	N.S.	N.S.									N.S.		
	1,4-Dichlorobenzene	N.S.	N.S.									N.S.		
	Arsenic	N.S.	N.S.									N.S.		
	Barium	N.S.	N.S.									N.S.		
	Chlorobenzene	N.S.	N.S.									N.S.		
	Cobalt	N.S.	N.S.									N.S.		
	Nickel	N.S.	N.S.									N.S.		
	Thallium	N.S.	N.S.									N.S.		

Table 9
Historic SSIs and SSLs
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75P

Key: gray = SSI black = SSL orange = SSL achieved compliance with the GWPS (1 event)		Spring	Fall	Winter	Spring	Fall	Spring	Fall	Spring	Summer	Fall	Winter
Well	**Constituent**	**2022**	**2022**	**2023**	**2023**	**2023**	**2024**	**2024**	**2025**	**2025**	**2025**	**2025**
Deeper Bedrock Monitoring Locations Continue												
Delineation Monitoring Locations Continued												
MW-107B	Thallium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
Continued	Toluene	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-108B [8]	Barium	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
	Nickel	N.S.		N.S.	N.S.		N.S.		N.S.	N.S.		N.S.
MW-109B	1,1-Dichloroethane			N.S.						N.S.		N.S.
	1,4-Dichlorobenzene			N.S.						N.S.		N.S.
	Arsenic			N.S.						N.S.		N.S.
	Barium			N.S.						N.S.		N.S.
	Chlorobenzene			N.S.						N.S.		N.S.
	Cobalt			N.S.						N.S.		N.S.
	Nickel			N.S.						N.S.		N.S.
	Thallium			N.S.						N.S.		N.S.

Table 9
Historic SSIs and SSLs
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Comments:

N/A = not applicable

N.S. = Not sampled due to 1) well not installed yet; 2) location was dry or inaccessible; 3) location was not included in quarterly baseline/retesting/semiannual event; 4) only limited parameters analyzed during quarterly event; or 5) well returned to detection monitoring and Appendix II parameter is no longer sampled.

(1) After the Spring 2020 statistical evaluation, cobalt in AW-5 and MW-17 achieved compliance with the Groundwater Protection Standard (GWPS) for a duration of three years. As a result, cobalt in AW-5 and MW-17 returned to assessment constituents starting with the Fall 2020 statistical evaluation in accordance with IAC 113.10(9)e(2).

(2) After the Fall 2019 statistical evaluation, nickel in MW-12; cobalt, nickel, and vinyl chloride in MW-13; and arsenic in VP-3 had achieved compliance with the GWPS for durations of three or more years. As a result, these analyte/well pairs returned to assessment constituents starting with the Spring 2020 statistical evaluation in accordance with IAC 113.10(9)e(2).

(3) After the Fall 2022 statistical evaluation, arsenic in MW-20 had achieved compliance with the GWPS for a duration of three years. As a result, arsenic in MW-20 returned to an assessment constituent starting with the Fall 2023 statistical evaluation in accordance with IAC 113.10(9)e(2). Note: as indicated in Table 2, MW-20 is sampled annually in accordance with Permit Amendment #16.

(4) As detailed in Table 7, single double quantification rule (DQR) detections were identified for m/p-Cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18 in Fall 2025. The Winter 2025 retests did not confirm the single DQR detections; therefore, statistically significant increases (SSIs) were not identified.

(5) After the Fall 2024 statistical evaluation, cobalt in MW-35 had achieved compliance with the GWPS for a duration of three years. As a result, cobalt in MW-35 returned to an assessment constituent starting with the Fall 2025 statistical evaluation in accordance with IAC 113.10(9)e(2).

(6) As detailed in Tables 2 and 7, the Spring 2025 lead result for MW-33 was rejected during data validation. Therefore, lead in MW-33 was resampled in Summer 2025. An SSI was not identified in Summer 2025.

(7) MW-104B is only analyzed for cobalt in accordance with the *Response to DNR Comments dated March 10, 2015* letter (Foth, 2015b). Note that in Spring 2019, MW-104B was inadvertently sampled for the Appendix I list and TSS. However, since analysis is intended to be limited to cobalt and TSS at MW-104B, only cobalt in MW-104B was evaluated for SSIs and SSLs during the Spring 2019 statistical evaluation. In Fall 2019, MW-104B resumed semiannual delineation monitoring for cobalt and TSS.

(8) IDNR approved the removal of cobalt from the list of analytes at MW-108B in the letter dated April 16, 2019 (IDNR, 2019). Cobalt was analyzed during the Mar. 2019 event since the event occurred prior to the IDNR approval letter; however, the Mar. 2019 result for cobalt in MW-108B was not included in the Spring 2019 statistical evaluation. Starting in Aug. 2019, cobalt was not included in the Appendix I analysis at MW-108B.

Table 10
Corrective Action Trend Analysis
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Well	Corrective Action Constituent	Trend	N	Analyte/Well Pair Achieved Compliance with GWPS?	Projected Year to Completion* [1,2]
Upper Bedrock Monitoring Locations					
Corrective Action Monitoring Locations					
AW-1	Arsenic	Decreasing (2008)	31	No	2048
AW-2	Arsenic	No Trend	31	No	2034
	Thallium	Decreasing (2013) [3]	21	No	2038
MW-12	Arsenic	Decreasing (2008)	36	No	2114
MW-13	Arsenic	Decreasing (2019) [3]	14	No	2042
MW-16	Arsenic	Decreasing (2016) [3]	20	No	2059
MW-17	Arsenic	Decreasing (2018) [3]	15	No	2045
MW-20	Thallium	Decreasing (2012) [3]	22	**Yes**	2026
MW-24	Arsenic	Decreasing (2012) [3]	22	No	2036
MW-30	Arsenic	Decreasing (2008)	31	No	2031 [4]
MW-32	Arsenic	No Trend	36	No	No Attenuation
MW-34	Arsenic	Decreasing (2011) [3]	25	No	2050
	Vinyl Chloride	Decreasing (2008)	31	No	2029 [4]
Delineation Monitoring Locations					
MW-105A	Cobalt	Decreasing (2013)	22	**Yes**	2026
MW-106A	Arsenic	No Trend [3]	16	No	2041
	Cobalt	No Trend	22	No	No Attenuation
Deeper Bedrock Monitoring Locations					
Corrective Action Monitoring Locations					
AW-6	Cobalt	No Trend [3]	23	No	No Attenuation
CRL-9	Arsenic	No Trend [3]	26	No	No Attenuation
	Cobalt	No Trend [3]	17	No	No Attenuation
MW-14	Arsenic	No Trend	36	No	2053
MW-22	Arsenic	No Trend [3]	17	No	No Attenuation
	Cobalt	No Trend	18	No	2231
MW-33	Arsenic	No Trend [3]	22	No	No Attenuation
MW-36	Arsenic	No Trend [3]	25	No	2264
Delineation Monitoring Locations					
MW-105B	Cobalt	No Trend [3]	13	No	No Attenuation
MW-109B	Arsenic	Decreasing (2020) [3]	12	No	2069
	Cobalt	Decreasing (2017)	19	No	2084
	Thallium	Decreasing (2017)	19	No	2051

* To satisfy IAC 113.10(9)e(2)
Permit holder addresses adequacy of corrective measure when trend is not favorable
Permit shall adjust corrective action for financial assurance as completion date warrants

Comments:
N = Number of Samples
* For remedy completion [IAC 113.10(9)e(2)], compliance with the Groundwater Protection Standard (GWPS) is considered achieved by demonstrating that concentrations of Appendix II constituents have not exceeded the GWPS for a period of three consecutive years or an alternate length of time established by the Iowa Department of Natural Resources (IDNR).
[1] For corrective action constituents that have achieved compliance with the GWPS, the projected year to completion listed is 3 years after compliance was first achieved (i.e., 3 years after the First Occurrence listed in Table 8) and will remain as long as concentrations remain statistically below the GWPS during the interim statistical evaluations. Individual analyte/well pairs will return to assessment constituents once compliance with the GWPS has been achieved for a period of 3 years. In accordance with IAC 113.10(9)3(2), a well may not return to assessment monitoring until all detected constituents are below the GWPS.

Table 10
Corrective Action Trend Analysis
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Comments (Continued):

(2) For the remaining corrective constituents (i.e., those that have not achieved compliance with the GWPS), the projected year to completion is based on the estimated first order attenuation rates for individual analyte/well pairs evaluated as part of the Fall 2025 statistical evaluation (Appendix B). The projected years to completion are 3 years after the first order attenuation rates projected initial compliance with the GWPS.

(3) Shortened data sets were utilized to evaluate trends and first order attenuation rates at the following constituent/well pairs: arsenic in CRL-9 (Sep. 2010 - current data), MW-13 (Mar. 2019 - current data), MW-16 (Mar. 2016 - current data), MW-17 (Aug. 2018 - current data), MW-22 (Mar. 2015 - current data), MW-24 (Sep. 2012 - current data), MW-33 (Mar. 2015 - current data), MW-34 (Mar. 2011 - current data), MW-36 (Mar. 2011 - current data), MW-106A (Oct. 2015 - current data), and MW-109B (Mar. 2020 - current data); cobalt in AW-6 (Mar. 2012 - current data), CRL-9 (Mar. 2015 - current data), and MW-105B (Mar. 2017 - current data); and thallium in AW-2 (Mar. 2013 - current data) and MW-20 (Sep 2012 - current data). Shortened data sets were utilized for one or more of the following reasons: 1) because earlier data was notably different than the data set selected which greatly impacted the trend evaluations; 2) attenuation was visually evident only with the selected data set; 3) a maximum concentration was also reached in the data set and the data set used to evaluate trends started with the maximum concentration; and 4) time-series analysis identified a shift in the data that correlated with a change in sampling technique from high-volume to low-flow sampling (as a result, the high volume data was not utilized in evaluating trends or calculating first order regression).

(4) For arsenic in MW-30 and vinyl chloride in MW-34, the first order attenuation rates projected that compliance with the GWPS has already been achieved (i.e., Oct. 2023 for arsenic in MW-30 and Jan. 2024 for vinyl chloride in MW-34). However, the confidence bands placed around the linear trend line have not yet indicated compliance with the GWPS for these analyte/well pairs (although it is noted that arsenic in MW-30 and vinyl chloride in MW-34 are close to statistically achieving compliance with the GWPS). For arsenic in MW-30, while a decreasing trend has been identified, more recent data doesn't fit first order attenuation as well. Assuming future decreases and a better fit for first order attenuation will occur, it is estimated that compliance with the GWPS may be achieved in 2028 with a projected year to completion of 2031. For vinyl chloride in MW-34, while an overall decreasing trend has been identified, individual results have fluctuated above and below the linear trend line. Individual results were below the GWPS between Mar. 2019 and Apr. 2020, above the GWPS between Aug. 2020 and Aug. 2023, and back below the GWPS in Aug. 2024 and Aug. 2025. Assuming future concentrations remain below the GWPS and below or near the linear trend line, it is estimated that compliance with the GWPS may be achieved in 2026 with a projected year to completion of 2029.

Conclusions and Recommendations:

- Compliance with the GWPS was maintained for cobalt in MW-105A and thallium in MW-20 with the Fall 2025 statistical evaluation (Appendix B). As long as concentrations remain statistically below the GWPS during interim statistical evaluations, cobalt in MW-105A and thallium in MW-20 will have attained compliance with the GWPS for three consecutive years after the Fall 2026 statistical evaluation and may return as assessment constituents in 2027 in accordance with 567 IAC 113.10(9)e(2).
- Stable or decreasing trends were identified for the corrective action constituents. In addition, first order attenuation was now able to be evaluated to project a year to completion for arsenic in MW-13.
- Additional discussion regarding the status of corrective action activities, including an evaluation of the effectiveness of the progress being made, is provided in Section 4 of the 2025 Annual Water Quality Report (AWQR).

Table 11
Leachate Management Summary
2025 Leachate Collection System Performance Evaluation Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Month	Leachate Elevations (feet amsl)															Month	Leachate Collected (gal)	Volume Recirculated (gal)	Discharged to CRWPC (gal)	Precipitation (in)
	W-100	W-102	W-103	W-104	W-105	W-110	W-115	W-117	W-203	W-207	W-209	W-211	W-212 [1]	W-214 [1]	W-219					
January	754.91	752.24	736.73	745.65	734.01	828.46	812.00	782.18	851.06	802.49	798.59	839.63	759.33	792.07	819.50	January	14,300	0	14,300	0.29
February	754.95	752.05	736.74	745.24	734.04	828.60	813.88	782.39	851.30	802.79	799.20	840.13	764.91	792.29	819.41	February	13,200	0	13,200	0.43
March	754.92	751.96	736.83	745.35	732.96	825.84	814.60	782.58	851.62	802.89	799.50	841.13	760.94	792.85	819.83	March	19,420	0	19,420	1.82
April	754.91	752.17	736.46	745.66	733.72	828.71	814.15	781.83	851.14	805.19	799.23	840.83	759.24	792.34	819.40	April	13,820	0	13,820	3.87
May	755.20	752.81	736.56	745.91	734.01	828.86	814.35	783.32	851.51	806.19	798.97	840.93	758.89	792.47	819.52	May	11,050	0	11,050	2.29
June	754.91	752.01	735.78	745.31	732.25	825.99	814.10	783.20	851.72	807.59	798.60	841.33	761.14	792.16	819.21	June	7,850	0	7,850	2.34
July	754.95	751.88	735.99	745.08	732.41	829.73	813.98	782.79	851.44	807.19	798.26	839.23	759.24	792.10	819.48	July	0 [2]	0	0	6.15
August	754.77	751.52	736.28	745.02	731.87	828.03	814.09	782.33	851.15	806.09	798.06	839.63	758.15	791.89	819.42	August	8,250	0	8,250	4.93
September	754.97	752.33	736.47	745.54	734.00	829.88	814.39	783.29	851.56	807.39	797.80	840.23	761.51	792.29	819.55	September	3,510	0	3,510	0.94
October	754.94	751.73	736.48	745.14	732.30	828.35	809.66	782.94	851.20	806.69	797.96	839.33	758.43	792.04	819.41	October	2,152	0	2,152	1.24
November	754.62	751.53	736.61	745.42	734.00	828.37	809.40	783.14	851.03	803.89	798.35	839.93	762.16	791.94	819.64	November	4,774	0	4,774	1.16
December	754.09	751.51	736.82	745.25	734.02	828.28	807.65	782.63	850.67	803.39	797.93	839.03	758.72	791.62	819.36	December	23,165	0	23,165	1.00
																2025 Annual Total	121,490	0	121,490	26.46

Comments:

amsl = above mean sea level

CRWPC = City of Cedar Rapids Water Pollution Control Facility

gal = gallons

in = inches

[1] Due to a restriction encountered at 72.2 feet below top of casing (bTOC) at W-212 in Dec. 2023, Foth requested to replace W-212 with W-214 in the *2023 AWQR* (Foth, 2024), and the Iowa Department of Natural Resources (IDNR) approved the removal in Permit Amendment #20 issued January 9, 2025. Elevations returned to a level above 72.2 feet bTOC in Jan. 2024 and remained above in 2025; therefore, leachate elevations could be measured at W-212. If leachate levels remain above 72.2 feet bTOC, elevations will continue to be reported at W-212. W-214 will also be retained in the leachate elevation monitoring network (i.e., in addition to W-212 or as a replacement for W-212 if elevations decline below the casing restriction).

[2] Field staff reported technical issues with the totalizer in Jul. 2025. As a result, the Jul. 2025 discharge volume of 0 gallons likely underrepresents the actual discharge to the sanitary sewer during this month. The totalizer issues were later resolved with the totalizer being reset on Sep. 25, 2025.

- The contents of this report are intended to satisfy the requirements set forth in 567 IAC 113.26(8)d (effective 1/15/03).
- In 2025, there was no correlation between precipitation and leachate elevations or volumes.
- Limited maintenance is required for the leachate collection system because it consists of gravity draining side-slope laterals and a perimeter gravity toe drain. There are no pumps, tanks, or lagoons which require maintenance. Troubleshooting was conducted on the totalizer and the totalizer was reset on Sep. 25, 2025.
- Leachate line cleaning and inspection was conducted on Sep. 22, 2025 by Roto-Rooter. The next line cleaning and inspection will be performed in 2028.
- Performance of the leachate collection is evaluated in Table 12.
- Laboratory analytical results for leachate testing, as submitted to the Cedar Rapids Water Pollution Control (CRWPC), are included in Appendix C.

Table 11
Leachate Management Summary
2025 Leachate Collection System Performance Evaluation Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Leachate Collection System Description:

• Construction of the existing leachate collection system was completed in Nov. 2007. A previous leachate pumping system, consisting of 13 low flow pumps in existing gas wells, was demonstrated to be ineffective, and the pumps were abandoned in 2005 as approved by IDNR.

• The existing leachate collection system consists of a gravity toe drain encompassing the perimeter of Site 1 (except for the south and southeast corner of the site) and laterals up the side slope (HRG, 2006). From Jun. 2008 through Spring 2013, Site 1 re-opened to receive disaster debris from the Jun. 2008 flood. Construction of the final landfill cover for Site 1 was completed in Aug. 2013. The final cover included an additional perforated liquid collection line surrounding the perimeter of the final cap.

• Leachate volumes collected in the toe drain are measured via a meter (LM-1) located in the northeast corner of the site, north-northeast of the Recreational Facility. Leachate is conveyed from LM-1 to the CRWPC via the sewer main. The Agency discharges leachate to CRWPC under an industrial discharge permit.

Table 12
Average Annual Leachate Elevations
2025 Leachate Collection System Performance Evaluation Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Monitoring Point	2013 (feet amsl)	2014 (feet amsl)	2015 (feet amsl)	2016 (feet amsl)	2017 (feet amsl)	2018 (feet amsl)	2019 (feet amsl)	2020 (feet amsl)	2021 (feet amsl)	2022 (feet amsl)	2023 (feet amsl)	2024 (feet amsl)	2025 (feet amsl)
W-100	755.13	755.85	754.96	755.43	754.82	754.93	757.66	757.40	756.22	754.27	753.68	754.31	754.85
W-102	744.47	746.14	747.48	748.62	748.48	748.03	750.24	750.70	751.35	750.67	751.17	751.99	751.98
W-103	731.90	731.44	733.28	734.32	734.09	733.77	734.56	735.07	735.77	735.29	735.95	736.64	736.48
W-104	744.73	744.48	745.14	745.14	744.97	744.67	745.59	745.56	745.53	745.33	745.05	745.21	745.38
W-105	733.12	734.13	734.80	735.13	734.99	734.81	733.59	734.06	733.87	734.02	733.91	733.15	733.30
W-110	822.71	820.58	821.62	823.89	823.64	821.15	829.69	830.00	829.42	826.93	825.92	827.67	828.25
W-115	815.92	817.34	818.52	819.67	819.60	817.85	819.71	819.93	817.60	815.38	814.57	814.34	812.69
W-117	780.09	781.31	782.66	783.24	782.95	780.47	782.08	782.83	783.26	783.02	782.76	783.00	782.72
W-203	857.07	855.90	855.59	853.90	853.04	851.69	851.73	851.88	851.76	851.18	851.00	851.19	851.29
W-207	800.74	810.71	808.29	806.59	805.58	809.09	806.17	808.74	805.82	805.34	806.04	805.32	805.15
W-209	800.11	802.60	802.71	802.33	801.63	800.57	800.18	799.96	799.95	798.63	798.52	798.88	798.53
W-211	858.11	855.13	857.52	859.15	859.00	858.35	857.32	854.12	849.61	843.27	841.67	840.80	840.11
W-212	N/A [1]	N/A [1]	N/A [1]	N/A [1]	N/A [1]	N/A [1]	N/A [1]	N/A [1]	N/A [1]	763.98	761.30	760.25 [2]	760.22 [2]
W-214	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	N/A [2]	792.70	792.17
W-219	816.93	818.81	818.48	818.40	818.77	818.19	819.09	819.35	819.76	819.25	819.35	819.72	819.47

Comments:

amsl = above mean sea level

N/A = not applicable

[1] W-212 was added to the leachate elevation monitoring network starting in 2022.

[2] Due to a restriction encountered at 72.2 feet below top of casing (bTOC) at W-212 in Dec. 2023, Foth requested to replace W-212 with W-214 in the 2023 AWQR (Foth, 2024), and the Iowa Department of Natural Resources (IDNR) approved the removal in Permit Amendment #20 issued January 9, 2025. Elevations returned to a level above 72.2 feet bTOC in Jan. 2024 and remained above in 2025; therefore, leachate elevations could be measured at W-212. If leachate levels remain above 72.2 feet bTOC, elevations will continue to be reported at W-212. W-214 will also be retained in the leachate elevation monitoring network (i.e., in addition to W-212 or as a replacement for W-212 if elevations decline below the casing restriction).

• Monthly leachate elevations measured between Jan. and Dec. 2025 are presented in Table 11. The average annual leachate elevations computed using measurements collected between Aug. 2013 and Dec. 2025 for each well are presented in this table (Table 12). Leachate contours are depicted with the groundwater contours in Figures 2 and 3.

• In accordance with Permit Special Provision X.10.c, effective control for an existing landfill is defined as achieving the lowest possible head as required in IAC 113.26(12)b(2) and maintaining surface and groundwater quality standards at compliance monitoring points.

• Leachate contours generally reflect the ground surface contours, with the highest leachate elevations near the top of the landfill where the greatest accumulation of waste is located, and the lowest leachate elevations located along the perimeters of the landfill. This leachate pattern is consistent with previous years and represents no significant change.

Table 12
Average Annual Leachate Elevations
2025 Leachate Collection System Performance Evaluation Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Comments Continued:

• Monthly fluctuation in the 2025 elevations was observed and did not correlate with precipitation. The leachate elevation fluctuations at Site 1 are likely attributable to differential settlement. During settlement, changes in leachate elevations are anticipated due to the physical characteristics of the waste and influence of less permeable layers within the landfill created during placement of daily soil cover. These layers can promote lateral movement of leachate and create perched leachate zones within the waste, which may not be representative of overall leachate head levels in the landfill. Landfill settlement and the resulting variations in leachate elevations are anticipated to continue as the waste degrades.

• Review of the average annual leachate elevations indicates stable or declining elevations at the leachate monitoring locations: W-100 (stable since 2010), W-102 (stable since 2019), W-103 (stable since 2021), W-104 (stable to slightly decreasing since 2010), W-105 (stable since 2014), W-110 (stable since 2019), W-115 (stable 2015 - 2020 then decreasing), W-117 (stable since 2015), W-203 (decreasing to stable since 2014), W-207 (stable to slightly decreasing since 2014), W-209 (slightly decreasing/stable since 2014), W-211 (stable to decreasing since 2016), W-212 (decreasing to stable in 2022-2025), and W-219 (stable since 2014). Discussions regarding W-214 is provided below.

• At W-214, leachate elevation monitoring was initiated in 2024. Since only two years of data have been collected, trends are not evaluated at this time.

Conclusions:

• Site operations and management practices have been consistent with the regulatory intent to achieve the lowest possible leachate head levels. The leachate collection system continues to function as designed, and monthly elevations are collected to monitor short-term and long-term trends in the leachate elevation data. In 2025, no significant change to the leachate contour pattern occurred, and the variation in elevations was not correlated with precipitation. Steady to declining leachate elevations were generally observed, which, along with no apparent correlation with precipitation, supports that construction of the final cover and additional stormwater controls appears to have been effective in reducing infiltration.

• Groundwater and Surface Water Quality: Because the waste was deposited within an old rock quarry located adjacent to the river that had been mined into the water table, there is a component of natural groundwater flow through the waste that cannot be eliminated. This condition exacerbates some of the water quality issues presented in previous Annual Water Quality Reports and Leachate Control System Performance Evaluation Reports. During 1998-2001, groundwater quality assessments were conducted to address a leachate release into the groundwater surrounding the landfill (HRG, 1998, 1999, 2000, and 2001). In 2019, IDNR approved continued implementation of a monitored natural attenuation remedy (IDNR, 2019) in accordance with the Risk Management Plan in the *Phase II Groundwater Quality Assessment Report* (HRG, 2001) and the revised remedy implementation schedule outlined in the *2018 AWQR* (Foth, 2019a). Compliance with the conditions set forth in the Risk Management Plan was maintained in 2025. As detailed in Tables 1-11, the groundwater plumes are generally steady or declining. In accordance with Permit Amendment #16, surface water monitoring has been discontinued. Under current flow conditions, leachate impacts to surface water are not applicable.

Table 13
Methane Monitoring Summary
2025 Methane Monitoring Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Monitoring Points			Methane Results (% LEL)							
Name	Type	Description	2/26/2025 - S (Y/N)		6/5/2025 - S (Y/N)		9/5/2025 - S (Y/N)		12/1/2025 - S (Y/N)	
GMP-N	Surface Perimeter	North Property Boundary	0.0		0.0		0.0		0.0	
GMP-S	Surface Perimeter	South Property Boundary	0.0		0.0		0.0		0.0	
GMP-W	Surface Perimeter	West Property Boundary	0.0		0.0		0.0		0.0	
GMP-E	Surface Perimeter	East Property Boundary	0.0		0.0		0.0		0.0	
BLDG-2	Indoor	Recreational Facility/Office	0.0		0.0		0.0		0.0	
BLDG-6	Indoor	Maintenance Building & Office	0.0		0.0		0.0		0.0	
BLDG-12	Indoor	Scale House	0.0		0.0		0.0		0.0	
GP-2	Subsurface	S of Landfill	N/A		N/A		N/A		0.0	N
GP-3	Subsurface	S of Landfill	N/A		N/A		N/A		0.0	N
GP-4	Subsurface	SSW of Landfill	N/A		N/A		N/A		0.0	N
AW-1	Subsurface	W of Landfill	N/A		N/A		N/A		0.0	N
MW-21	Subsurface	WNW of Landfill	N/A		N/A		N/A		0.0	N
MW-23	Subsurface	W of Landfill	N/A		N/A		N/A		0.0	N
MW-24	Subsurface	WSW of Landfill	N/A		N/A		N/A		0.0	N
MW-35	Proposed Subsurface	SE of Landfill	N/A		N/A		N/A		0.0	N
MW-104A	Proposed Subsurface	SSE of Landfill	N/A		N/A		N/A		0.0	N

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

Comments:

% = percent

• The contents of this report are intended to satisfy the requirements set forth in 567 IAC 113.26(15)b (effective 1/15/03).

• The Iowa Department of Natural Resources (IDNR) requested in their comment letter dated Sep. 4, 2025 (IDNR, 2025c) an action plan and schedule for initiating subsurface methane monitoring. The *Methane Monitoring Action Plan & Schedule* (Foth, 2025c) was submitted on Nov. 4, 2025, and proposed monitoring methane at existing locations GP-2, GP-3, GP-4, AW-1, MW-21, MW-23, and MW-24 beginning in the fourth quarter of 2025. In their letter dated Nov. 6, 2025 (IDNR, 2025d), the IDNR approved subsurface monitoring at GP-2, GP-3, GP-4, AW-1, MW-21, MW-23, and MW-24, and requested additional monitoring location(s) between GP-2 and the Cedar River with a revised plan submitted by Dec. 31, 2025. An extension was requested, which was granted by the IDNR (IDNR, 2025e). To provide coverage between GP-2 and the Cedar River, MW-35 and MW-104A are proposed for addition to the subsurface methane monitoring network. Subsurface methane monitoring was conducted at approved locations GP-2, GP-3, GP-4, AW-1, MW-21, MW-23, and MW-24, and proposed locations MW-35 and MW-104A beginning in the fourth quarter, and the results are provided in Table 13.

• As shown in Table 13, the quarterly methane monitoring results did not indicate concentrations in exceedance of 25% of the lower explosive limit (LEL) for facility structures, 100% LEL at subsurface monitoring locations, or 100% LEL for facility boundaries. Based on 567 IAC 113.26(15)b (effective 1/15/03), no action is required for this facility with regard to methane control at this time.

Table 13
Methane Monitoring Summary
2025 Methane Monitoring Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Requests:

• On behalf of the Cedar Rapids Linn County Solid Waste Agency (Agency), Foth requests IDNR review and approval to amend the Permit and the Methane Monitoring Plan by adding MW-35 and MW-104A as subsurface methane monitoring locations. It is noted that waste material not connected to Site 1 was encountered at approximately 7-19 feet below ground surface during drilling at MW-104A as further discussed in the *2014 AWQR* (Foth, 2015a). Although the waste material encountered at MW-104A is not associated with Site 1, it appears to be shallow, aged, and not a likely contributor to methane generation. It is also recognized that this material lies within Agency property boundaries. The initial quarterly monitoring event conducted in Dec. 2025 did not detect methane at this well. Should methane be detected in subsequent monitoring events, the waste material at this location will be considered during the development of a methane mitigation strategy.

Table 14
Analytical Data Summary
2025 Annual Water Quality Report
Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Comments:

The following table presents the groundwater upper and deeper bedrock Appendix II analytical data collected since August 2008. In accordance with Permit Amendment #16, MW-27, MW-29, MW-102A, MW-103A, MW-103C, and MW-108A were removed from the groundwater monitoring network and surface water monitoring was discontinued starting with the Fall 2020 sampling event. Due to the removal of surface water monitoring in 2020, the surface water analytical results are no longer provided in this table.

Detections above the laboratory MDL are shown in **bold**.

DwnGrad = downgradient (compliance) monitoring location.

Bkgrnd = background monitoring location.

Delin = delineation monitoring location.

• Previously approved groundwater background data set adjustments were maintained and are listed as crossed-out concentrations in Table 14. This includes: removal of the high volume September 2009 through September 2014 metals data at MW-101A; removal of the high volume September 2009 through September 2014 and the initial low-flow March 2015 metals data at MW-101B; removal of the March 2019 barium concentration in MW-38 due to elevated TSS; removal of earlier non-detect data with elevated PQLs for barium, cobalt, copper, and lead in the upper bedrock; removal of earlier non-detect data with elevated PQLs for barium, beryllium, cadmium, cobalt, copper, lead, and nickel in the deeper bedrock; removal of the August 2018 detected metals data at MW-37 due to potential impact indicated by benzene, toluene, ethylbenzene, and total xylenes detections; and removal of the Mar. 2023 barium, cadmium, cobalt, copper, nickel, selenium, and vanadium data at MW-101A due to elevated TSS.

• No background data set adjustments were recommended in 2025.

• Previously approved groundwater downgradient data set adjustments were maintained and are listed as crossed-out concentrations in Table 14:

  • Removal of earlier non-detect data with elevated PQLs for upper bedrock cobalt data at AW-5, MW-13, MW-17, MW-23, and MW-35; removal of earlier non-detect and J-flagged data with elevated PQLs for deeper bedrock cobalt data at AW-6, CRL-9, MW-11, MW-14, MW-15, MW-22, MW-33 MW-36, MW-102B, MW-105B, and MW-107B; removal of earlier non-detect and J-flagged data with elevated PQLs for the deeper bedrock nickel data at AW-6, CRL-9, MW-14, MW-15, MW-18, MW-19, MW-22, MW-33, and MW-36; removal of the high volume August 2008 through September 2014 zinc data at AW-7, MW-20, and MW-30; and removal of the high volume August 2008 through September 2014 nickel data at MW-13.

  • Removal of the historical data prior to when statistical compliance with the GWPS was first achieved for analyte/well pairs exiting corrective action and returning to assessment constituents. Compliance with the GWPS was first achieved in Spring 2015 for nickel in MW-12 and vinyl chloride in MW-13; in Fall 2016 for cobalt and nickel in MW-13 and cobalt in MW-23; in Spring 2017 for arsenic in VP-3; in Fall 2017 for cobalt in AW-5 and MW-17; and in Spring 2020 for arsenic in MW-20. The historical data prior to these initial compliance dates have been removed. Section 5.1.3 of the Fall 2024 statistical evaluation (provided in Appendix B) provides a detailed listing of the historical data removed due to exiting

• No downgradient data set adjustments were recommended in 2025.

• Previously rejected data resulting from data validation were maintained and are listed as crossed-out concentrations in Table 14:

  • Removal of the Aug. 2022 m,p-cresol and phenol results at MW-37 and MW-101A. As detailed in the data validation report for the Aug. 2022 event, these results were rejected due to surrogate recoveries that were below the expanded lower acceptance limit.

  • Removal of the Jan. 2023 1,4-phenylenediamine (i.e., p-phenylenediamine) result in MW-26. As detailed in the data validation report for the Jan. 2023 event, this result was rejected due to laboratory control sample/laboratory control sample duplicate recoveries that were below the acceptance limit.

• The following data were rejected during data validation in 2025 and listed as crossed-out concentrations in Table 14:

  • Removal of the Mar. 2025 lead results at MW-33, MW-38, and MW-101B. As detailed in the data validation report for the Mar. 2025 event (Appendix A), these results were rejected due to detection in the associated field blank.

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
1,1,1,2-Tetrachloroethane	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
1,1,1,2-Tetrachloroethane	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2012-09	ug/L	< 1.00	< 2.00	< 2.00	< 1.00	< 1.00	< 2.00	< 2.00	< 2.00	< 2.00	< 1.00	< 2.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2013-03	ug/L	< 1.00	< 1		< 1.00	< 1.00		< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1
1,1,1,2-Tetrachloroethane	2013-05	ug/L			< 1.00			< 1.00										
1,1,1,2-Tetrachloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2013-11	ug/L																
1,1,1,2-Tetrachloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2014-06	ug/L																
1,1,1,2-Tetrachloroethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2015-03	ug/L	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	< 1.00
1,1,1,2-Tetrachloroethane	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
1,1,1,2-Tetrachloroethane	2015-10	ug/L			< 1				< 1	< 1					< 1			< 1
1,1,1,2-Tetrachloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2016-06	ug/L			< 1	< 1												
1,1,1,2-Tetrachloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2017-11	ug/L																
1,1,1,2-Tetrachloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2018-06	ug/L																
1,1,1,2-Tetrachloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2018-09	ug/L					< 1						< 1	< 1				
1,1,1,2-Tetrachloroethane	2018-11	ug/L																
1,1,1,2-Tetrachloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2020-03	ug/L	< 1	< 1	< 1			< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2020-04	ug/L				< 1	< 1		< 1									
1,1,1,2-Tetrachloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2021-03	ug/L							< 1	< 1	< 1	< 1						
1,1,1,2-Tetrachloroethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2022-03	ug/L							< 1	< 1	< 1	< 1						
1,1,1,2-Tetrachloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2023-01	ug/L															< 1	
1,1,1,2-Tetrachloroethane	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
1,1,1,2-Tetrachloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2024-03	ug/L							< 1	< 1	< 1	< 1						
1,1,1,2-Tetrachloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2025-03	ug/L							< 1	< 1	< 1	< 1						
1,1,1,2-Tetrachloroethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**1.93**	< 1	< 1	**1.31**	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	**1.59**	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
1,1,1-Trichloroethane	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	**2.02**	< 1	< 1	**1.42**	< 1	< 1	< 1	
1,1,1-Trichloroethane	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**1.90**	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1-Trichloroethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**2.21**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1-Trichloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	< 1.00	**1.10**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1-Trichloroethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**1.25**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1-Trichloroethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**1.04**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1-Trichloroethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,1,1,2-Tetrachloroethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,1,1,2-Tetrachloroethane	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
1,1,1,2-Tetrachloroethane	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
1,1,1,2-Tetrachloroethane	2010-03	ug/L	< 1.00	< 2.00	< 1.00	< 2.00	< 2.00	< 2.00	< 2.00								
1,1,1,2-Tetrachloroethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,1,2-Tetrachloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,1,2-Tetrachloroethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,1,2-Tetrachloroethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,1,2-Tetrachloroethane	2012-09	ug/L	< 1.00	< 1.00	< 2.00	< 1.00	< 1.00	< 2.00	< 2.00								
1,1,1,2-Tetrachloroethane	2013-03	ug/L	< 1	< 1	< 25.0		< 1.00	< 1	< 1								
1,1,1,2-Tetrachloroethane	2013-05	ug/L															
1,1,1,2-Tetrachloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1,2-Tetrachloroethane	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1,2-Tetrachloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1,2-Tetrachloroethane	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1,2-Tetrachloroethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
1,1,1,2-Tetrachloroethane	2015-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1,2-Tetrachloroethane	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
1,1,1,2-Tetrachloroethane	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
1,1,1,2-Tetrachloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1,1,2-Tetrachloroethane	2016-06	ug/L															
1,1,1,2-Tetrachloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1,1,2-Tetrachloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1,1,2-Tetrachloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1,1,2-Tetrachloroethane	2017-11	ug/L														< 1	< 1
1,1,1,2-Tetrachloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2018-06	ug/L														< 1	< 1
1,1,1,2-Tetrachloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
1,1,1,2-Tetrachloroethane	2018-09	ug/L													< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2018-11	ug/L														< 1	< 1
1,1,1,2-Tetrachloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2020-03	ug/L	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2020-04	ug/L			< 1									< 1			
1,1,1,2-Tetrachloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,1,2-Tetrachloroethane	2021-03	ug/L		< 1			< 1			< 1							
1,1,1,2-Tetrachloroethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,1,2-Tetrachloroethane	2022-03	ug/L		< 1			< 1			< 1							
1,1,1,2-Tetrachloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,1,2-Tetrachloroethane	2023-01	ug/L															
1,1,1,2-Tetrachloroethane	2023-03	ug/L		< 1			< 1			< 1							
1,1,1,2-Tetrachloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,1,2-Tetrachloroethane	2024-03	ug/L		< 1			< 1			< 1							
1,1,1,2-Tetrachloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,1,2-Tetrachloroethane	2025-03	ug/L		< 1			< 1			< 1							
1,1,1,2-Tetrachloroethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,1-Trichloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,1,1-Trichloroethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,1,1-Trichloroethane	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
1,1,1-Trichloroethane	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
1,1,1-Trichloroethane	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,1-Trichloroethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,1-Trichloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,1-Trichloroethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,1-Trichloroethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,1-Trichloroethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2013-03	ug/L	< 1.00	< 1		< 1.00	< 1.00		< 1	< 1	**1.36**	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1
1,1,1-Trichloroethane	2013-05	ug/L			< 1.00			< 1.00										
1,1,1-Trichloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**0.892 J**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1-Trichloroethane	2013-11	ug/L																
1,1,1-Trichloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1-Trichloroethane	2014-06	ug/L																
1,1,1-Trichloroethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.382 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2015-03	ug/L	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	< 1.00
1,1,1-Trichloroethane	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
1,1,1-Trichloroethane	2015-10	ug/L			< 1				< 1	< 1					< 1			< 1
1,1,1-Trichloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.135 J**	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2016-06	ug/L			< 1	< 1												
1,1,1-Trichloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2017-11	ug/L																
1,1,1-Trichloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2018-06	ug/L																
1,1,1-Trichloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2018-09	ug/L					< 1						< 1	< 1				
1,1,1-Trichloroethane	2018-11	ug/L																
1,1,1-Trichloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2020-03	ug/L	< 1	< 1	< 1			< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2020-04	ug/L				< 1	< 1		< 1									
1,1,1-Trichloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2021-03	ug/L							< 1	< 1	< 1	< 1						
1,1,1-Trichloroethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2022-03	ug/L							< 1	< 1	< 1	< 1						
1,1,1-Trichloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2023-01	ug/L															< 1	
1,1,1-Trichloroethane	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
1,1,1-Trichloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2024-03	ug/L							< 1	< 1	< 1	< 1						
1,1,1-Trichloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2025-03	ug/L							< 1	< 1	< 1	< 1						
1,1,1-Trichloroethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
1,1,2,2-Tetrachloroethane	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
1,1,2,2-Tetrachloroethane	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2013-03	ug/L	< 1.00	< 1		< 1.00	< 1.00		< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1
1,1,2,2-Tetrachloroethane	2013-05	ug/L			< 1.00			< 1.00										
1,1,2,2-Tetrachloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2013-11	ug/L																
1,1,2,2-Tetrachloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2014-06	ug/L																
1,1,2,2-Tetrachloroethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2015-03	ug/L	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	< 1.00
1,1,2,2-Tetrachloroethane	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,1,1-Trichloroethane	2013-03	ug/L	< 1	< 1	< 25.0		< 1.00	< 1	< 1								
1,1,1-Trichloroethane	2013-05	ug/L															
1,1,1-Trichloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1-Trichloroethane	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1-Trichloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1-Trichloroethane	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1-Trichloroethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
1,1,1-Trichloroethane	2015-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1-Trichloroethane	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
1,1,1-Trichloroethane	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
1,1,1-Trichloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1,1-Trichloroethane	2016-06	ug/L															
1,1,1-Trichloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1,1-Trichloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1,1-Trichloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1,1-Trichloroethane	2017-11	ug/L														< 1	< 1
1,1,1-Trichloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2018-06	ug/L														< 1	< 1
1,1,1-Trichloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
1,1,1-Trichloroethane	2018-09	ug/L													< 1	< 1	< 1
1,1,1-Trichloroethane	2018-11	ug/L														< 1	< 1
1,1,1-Trichloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2020-03	ug/L	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
1,1,1-Trichloroethane	2020-04	ug/L			< 1									< 1			
1,1,1-Trichloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,1-Trichloroethane	2021-03	ug/L		< 1			< 1			< 1							
1,1,1-Trichloroethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,1-Trichloroethane	2022-03	ug/L		< 1			< 1			< 1							
1,1,1-Trichloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,1-Trichloroethane	2023-01	ug/L															
1,1,1-Trichloroethane	2023-03	ug/L		< 1			< 1			< 1							
1,1,1-Trichloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,1-Trichloroethane	2024-03	ug/L		< 1			< 1			< 1							
1,1,1-Trichloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,1-Trichloroethane	2025-03	ug/L		< 1			< 1			< 1							
1,1,1-Trichloroethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,2,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,1,2,2-Tetrachloroethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,1,2,2-Tetrachloroethane	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
1,1,2,2-Tetrachloroethane	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
1,1,2,2-Tetrachloroethane	2010-03	ug/L	< 1.00	< 2.00	< 1.00	< 2.00	< 2.00	< 2.00	< 2.00								
1,1,2,2-Tetrachloroethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,2,2-Tetrachloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,2,2-Tetrachloroethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,2,2-Tetrachloroethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,2,2-Tetrachloroethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,2,2-Tetrachloroethane	2013-03	ug/L	< 1	< 1	< 25.0		< 1.00	< 1	< 1								
1,1,2,2-Tetrachloroethane	2013-05	ug/L															
1,1,2,2-Tetrachloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2,2-Tetrachloroethane	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2,2-Tetrachloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2,2-Tetrachloroethane	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2,2-Tetrachloroethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
1,1,2,2-Tetrachloroethane	2015-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2,2-Tetrachloroethane	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2015-10	ug/L			< 1				< 1	< 1					< 1			< 1
1,1,2,2-Tetrachloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2016-06	ug/L			< 1	< 1												
1,1,2,2-Tetrachloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2017-11	ug/L																
1,1,2,2-Tetrachloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2018-06	ug/L																
1,1,2,2-Tetrachloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2018-09	ug/L					< 1						< 1	< 1				
1,1,2,2-Tetrachloroethane	2018-11	ug/L																
1,1,2,2-Tetrachloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2020-03	ug/L	< 1	< 1	< 1			< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2020-04	ug/L				< 1	< 1		< 1									
1,1,2,2-Tetrachloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2021-03	ug/L							< 1	< 1	< 1	< 1						
1,1,2,2-Tetrachloroethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2022-03	ug/L							< 1	< 1	< 1	< 1						
1,1,2,2-Tetrachloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2023-01	ug/L															< 1	
1,1,2,2-Tetrachloroethane	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
1,1,2,2-Tetrachloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2024-03	ug/L							< 1	< 1	< 1	< 1						
1,1,2,2-Tetrachloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2025-03	ug/L							< 1	< 1	< 1	< 1						
1,1,2,2-Tetrachloroethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	**1.43**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
1,1,2-Trichloroethane	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
1,1,2-Trichloroethane	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	2013-03	ug/L	< 1.00	< 1		< 1.00	< 1.00		< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1
1,1,2-Trichloroethane	2013-05	ug/L			< 1.00			< 1.00										
1,1,2-Trichloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	2013-11	ug/L																
1,1,2-Trichloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	2014-06	ug/L																
1,1,2-Trichloroethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2015-03	ug/L	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	< 1.00
1,1,2-Trichloroethane	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
1,1,2-Trichloroethane	2015-10	ug/L			< 1				< 1	< 1					< 1			< 1
1,1,2-Trichloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2016-06	ug/L			< 1	< 1												
1,1,2-Trichloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2017-11	ug/L																
1,1,2-Trichloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.199 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2018-06	ug/L																

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,1,2,2-Tetrachloroethane	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
1,1,2,2-Tetrachloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1,2,2-Tetrachloroethane	2016-06	ug/L															
1,1,2,2-Tetrachloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1,2,2-Tetrachloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1,2,2-Tetrachloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1,2,2-Tetrachloroethane	2017-11	ug/L														< 1	< 1
1,1,2,2-Tetrachloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2018-06	ug/L														< 1	< 1
1,1,2,2-Tetrachloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
1,1,2,2-Tetrachloroethane	2018-09	ug/L													< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2018-11	ug/L														< 1	< 1
1,1,2,2-Tetrachloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2020-03	ug/L	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2020-04	ug/L			< 1									< 1			
1,1,2,2-Tetrachloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,2,2-Tetrachloroethane	2021-03	ug/L		< 1			< 1			< 1							
1,1,2,2-Tetrachloroethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,2,2-Tetrachloroethane	2022-03	ug/L		< 1			< 1			< 1							
1,1,2,2-Tetrachloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,2,2-Tetrachloroethane	2023-01	ug/L															
1,1,2,2-Tetrachloroethane	2023-03	ug/L		< 1			< 1			< 1							
1,1,2,2-Tetrachloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,2,2-Tetrachloroethane	2024-03	ug/L		< 1			< 1			< 1							
1,1,2,2-Tetrachloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,2,2-Tetrachloroethane	2025-03	ug/L		< 1			< 1			< 1							
1,1,2,2-Tetrachloroethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,2-Trichloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,1,2-Trichloroethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,1,2-Trichloroethane	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
1,1,2-Trichloroethane	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
1,1,2-Trichloroethane	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,2-Trichloroethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,2-Trichloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,2-Trichloroethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,2-Trichloroethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,2-Trichloroethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1,2-Trichloroethane	2013-03	ug/L	< 1	< 1	< 25.0		< 1.00	< 1	< 1								
1,1,2-Trichloroethane	2013-05	ug/L															
1,1,2-Trichloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2-Trichloroethane	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2-Trichloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2-Trichloroethane	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2-Trichloroethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
1,1,2-Trichloroethane	2015-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2-Trichloroethane	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
1,1,2-Trichloroethane	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
1,1,2-Trichloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1,2-Trichloroethane	2016-06	ug/L															
1,1,2-Trichloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1,2-Trichloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1,2-Trichloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1,2-Trichloroethane	2017-11	ug/L														< 1	< 1
1,1,2-Trichloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2018-06	ug/L														< 1	< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2018-09	ug/L					< 1						< 1	< 1				
1,1,2-Trichloroethane	2018-11	ug/L																
1,1,2-Trichloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2020-03	ug/L	< 1	< 1	< 1			< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2020-04	ug/L				< 1	< 1		< 1									
1,1,2-Trichloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2021-03	ug/L							< 1	< 1	< 1	< 1						
1,1,2-Trichloroethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2022-03	ug/L							< 1	< 1	< 1	< 1						
1,1,2-Trichloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2023-01	ug/L															< 1	
1,1,2-Trichloroethane	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
1,1,2-Trichloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2024-03	ug/L							< 1	< 1	< 1	< 1						
1,1,2-Trichloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2025-03	ug/L							< 1	< 1	< 1	< 1						
1,1,2-Trichloroethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	2008-08	ug/L	< 1	**2**	< 1	< 1	< 1	**4.99**	**24.2**	**25.3**	**32.2**	**2.34**	< 1	**10.3**	**1.16**	**1.17**	< 1	< 1
1,1-Dichloroethane	2009-03	ug/L	< 1	**2.26**	< 1	< 1	< 1	**8.88**	**37.7**	**18.6**	**36.8**	**3.53**	**1.43**	**5.65**	**1.73**	**1.33**	< 1	< 1
1,1-Dichloroethane	2009-07	ug/L	< 1	**1.84**		< 1		**5.1**	**31.4**	**22**	**35.1**	**3.22**	**2.00**	**5.40**	**1.03**	< 1	< 1	
1,1-Dichloroethane	2009-09	ug/L	< 1	**1.87**		< 1.00		**9.18**	**30.8**	**19.4**	**49.4**	**1.36**	**1.51**	**6.73**	**1.08**	**1.15**	< 1	
1,1-Dichloroethane	2010-03	ug/L	< 1.00	**2.04**	< 1.00	< 1.00	< 1.00	**3.78**	**38.1**	**20.5**	**26.8**	**3.11**	**1.46**	**5.60**	**1.29**	**1.23**	< 1.00	< 1.00
1,1-Dichloroethane	2010-09	ug/L	< 1.00	**1.79**	< 1.00	< 1.00	< 1.00	**6.34**	**24.0**	**19.7**	**29.1**	**2.18**	< 1.00	**6.81**	< 1.00	**1.03**	< 1.00	< 1.00
1,1-Dichloroethane	2011-03	ug/L	< 1.00	**1.29**	< 1.00	< 1.00	< 10.0	**2.07**	**28.6**	**20.2**	**25.1**	**1.06**	**3.07**	**4.61**	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	2011-09	ug/L	< 1.00	**1.26**	< 1.00	< 1.00	< 1.00	**7.17**	**28.7**	**13.6**	**18.7**	**1.41**	< 1.00	**2.94**	**1.18**	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	2012-03	ug/L	< 1.00	**1.62**	< 1.00	< 1.00	< 1.00	**7.33**	**28.7**	**13.4**	**16.7**	< 1.00	< 1.00	**2.99**	**1.35**	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	2012-09	ug/L	**1.10**	**2.44**	< 1.00	< 1.00	< 1.00	**4.05**	**27.2**	**15.8**	**19.9**	**1.13**	< 1.00	**2.98**	**1.08**	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	2013-03	ug/L	**1.72**	**2.1**		< 1.00	< 1.00		**28**	**9.95**	**14.9**	**1.97**	**0.803 J**	**3.81**	**1.26**	< 1.00	< 1	< 1
1,1-Dichloroethane	2013-05	ug/L			< 1.00			**2.98**										
1,1-Dichloroethane	2013-09	ug/L	**0.762 J**	**1.96**	< 1.00	< 1.00	< 1.00	**6.32**	**22.6**	**10.6**	**12.7**	**1.36**	**0.614 J**	**4.00**	**1.24**	**0.845 J**	< 1.00	< 1.00
1,1-Dichloroethane	2013-11	ug/L																
1,1-Dichloroethane	2014-03	ug/L	< 1.00	**1.35**	**0.221 J**	< 1.00	< 1.00	**10.4**	**19.2**	**1.43**	**17.0**	**0.856 J**	**0.782 J**	**2.49**	**2.01**	**0.617 J**	< 1.00	< 1.00
1,1-Dichloroethane	2014-06	ug/L																
1,1-Dichloroethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	**5.27**	**18.2**	**8.28**	**11.5**	**1.13**	**0.451 J**	**2.58**	**0.878 J**	**1.39**	< 1	< 1
1,1-Dichloroethane	2015-03	ug/L	**0.723 J**	**1.82**	< 1.00	< 1.00	< 1.00	**1.71**	**22.5**	**11.4**	**15.8**	**0.565 J**	**0.472 J**	**1.59**	**1.16**	**0.898 J**	< 1	**0.286 J**
1,1-Dichloroethane	2015-09	ug/L	**0.652 J**	**1.48**		< 1	< 1	**3.95**			**11.4**	< 1	**0.581 J**	**1.72**		**0.947 J**	< 1	
1,1-Dichloroethane	2015-10	ug/L			< 1				**18.8**	**9.01**					**0.981 J**			< 1
1,1-Dichloroethane	2016-03	ug/L	< 1	**1.42**	< 1	< 1	< 1	**1.19**	**11.8**	**6.04**	**8.1**	**0.383 J**	< 1	**1.19**	**0.778 J**	**0.899 J**	< 1	**0.586 J**
1,1-Dichloroethane	2016-06	ug/L			**0.258 J**	< 1												
1,1-Dichloroethane	2016-08	ug/L	**0.643 J**	**1.19**	< 1	< 1	< 1	**1.96**	**13.2**	**6.13**	**4.01**	< 1	**1.36**	**1.28**	**0.504 J**	**0.777 J**	< 1	**0.446 J**
1,1-Dichloroethane	2017-03	ug/L	**0.703 J**	**0.945 J**	< 1	< 1	< 1	**2.14**	**13.3**	**3.89**	**1.15**	< 1	**0.337 J**	**1.43**	**0.764 J**	**0.536 J**	< 1	< 1
1,1-Dichloroethane	2017-08	ug/L	< 1	**0.896 J**	**0.285 J**	< 1	< 1	**2.37**	**12.3**	**3.33**	**2.08**	**0.295 J**	**0.297 J**	**1.53**	**0.443 J**	**0.668 J**	< 1	**0.35 J**
1,1-Dichloroethane	2017-11	ug/L																
1,1-Dichloroethane	2018-03	ug/L	< 1	**0.973 J**	< 1	< 1	< 1	**1.8**	**15.8**	**5.56**	**2.6**	< 1	**0.376 J**	**1.19**	**0.646 J**	**0.667 J**	< 1	**0.312 J**
1,1-Dichloroethane	2018-06	ug/L																
1,1-Dichloroethane	2018-08	ug/L	**0.382 J**	**1.16**	< 1	< 1		**1.75**	**13.4**	**1.66**	**3.4**	< 1			**0.491 J**	**0.744 J**	< 1	**0.523 J**
1,1-Dichloroethane	2018-09	ug/L					< 1						**0.586 J**	**1.29**				
1,1-Dichloroethane	2018-11	ug/L																
1,1-Dichloroethane	2019-03	ug/L	< 1	**0.841 J**	**0.555 J**	< 1	< 1	**1.78**	**9.03**	**3.56**	**0.712 J**	< 1	< 1	**0.37 J**	**0.415 J**	**0.336 J**	< 1	**0.267 J**
1,1-Dichloroethane	2019-08	ug/L	**0.476 J**	**0.557 J**	**0.367 J**	< 1	< 1	**2.57**	**7.35**	**2.36**	**3.28**	< 1	< 1	**2.1**	**0.525 J**	**0.576 J**	< 1	**0.426 J**
1,1-Dichloroethane	2020-03	ug/L	**0.289 J**	**0.491 J**	**0.284 J**			**1.09**		**2.43**	**1.07**	< 1	< 1	**1.31**	**0.477 J**	**0.539 J**	< 1	**0.247 J**
1,1-Dichloroethane	2020-04	ug/L				< 1	< 1		**7.29**									
1,1-Dichloroethane	2020-08	ug/L	**0.479 J**	**0.919 J**	**0.268 J**	< 1	< 1	**1.6**	**7.21**	**0.755 J**	**2.27**	< 1	**0.347 J**	**1.78**	**0.457 J**	**0.802 J**	< 1	**0.414 J**
1,1-Dichloroethane	2021-03	ug/L							**7.28**	**2.03**	**1.45**	< 1						

Table 14

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,1,2-Trichloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
1,1,2-Trichloroethane	2018-09	ug/L													< 1	< 1	< 1
1,1,2-Trichloroethane	2018-11	ug/L														< 1	< 1
1,1,2-Trichloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2020-03	ug/L	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
1,1,2-Trichloroethane	2020-04	ug/L			< 1									< 1			
1,1,2-Trichloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,2-Trichloroethane	2021-03	ug/L		< 1			< 1			< 1							
1,1,2-Trichloroethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,2-Trichloroethane	2022-03	ug/L		< 1			< 1			< 1							
1,1,2-Trichloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,2-Trichloroethane	2023-01	ug/L															
1,1,2-Trichloroethane	2023-03	ug/L		< 1			< 1			< 1							
1,1,2-Trichloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,2-Trichloroethane	2024-03	ug/L		< 1			< 1			< 1							
1,1,2-Trichloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1,2-Trichloroethane	2025-03	ug/L		< 1			< 1			< 1							
1,1,2-Trichloroethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1-Dichloroethane	2008-08	ug/L	**11.1**	**4.62**	**16.9**	**1.3**	< 1	< 1	< 1								
1,1-Dichloroethane	2009-03	ug/L	**12.8**	**3.48**	**24.4**	**2.93**	< 1	< 1	< 1								
1,1-Dichloroethane	2009-07	ug/L	**11.5**	**3.67**	**20.1**	**3.4**	< 1.00										
1,1-Dichloroethane	2009-09	ug/L	**13.1**	**5.10**	**16.7**	**2.76**	< 1.00										
1,1-Dichloroethane	2010-03	ug/L	**16.6**	**2.96**	**13.2**	**4.21**	< 1.00	< 1.00	< 1.00								
1,1-Dichloroethane	2010-09	ug/L	**15.8**	**3.09**	**22.6**	**3.71**	< 1.00	< 1.00	< 1.00								
1,1-Dichloroethane	2011-03	ug/L	**10.2**	**1.94**	**13.3**	**3.22**	< 1.00	< 1.00	< 1.00								
1,1-Dichloroethane	2011-09	ug/L	**11.4**	**2.33**	**17.0**	**3.58**	< 1.00	< 1.00	< 1.00								
1,1-Dichloroethane	2012-03	ug/L	**10.5**	< 1.00	**16.6**	**1.48**	< 1.00	< 1.00	< 1.00								
1,1-Dichloroethane	2012-09	ug/L	**13.6**	< 1.00	**12.0**	**2.66**	< 1.00	< 1.00	< 1.00								
1,1-Dichloroethane	2013-03	ug/L	**11**	< 1	< 25.0		< 1.00	**0.79 J**	< 1								
1,1-Dichloroethane	2013-05	ug/L															
1,1-Dichloroethane	2013-09	ug/L	**10.2**	**0.348 J**	**9.41**	**0.984 J**	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	**0.883 J**	< 1.00		
1,1-Dichloroethane	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1-Dichloroethane	2014-03	ug/L	**8.13**	**0.375 J**	**10.0**	**1.13**	< 1.00	**0.249 J**	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1-Dichloroethane	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1-Dichloroethane	2014-09	ug/L	**9.29**	**0.73 J**	**6.33**	**0.404 J**	< 1	< 1	< 1		< 1	< 1	< 1	**0.277 J**	< 1		
1,1-Dichloroethane	2015-03	ug/L	**10.1**	< 1.00	**11.4**	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1-Dichloroethane	2015-09	ug/L		**1.03**		< 1	< 1	< 1	< 1								
1,1-Dichloroethane	2015-10	ug/L	**14.2**		**13.2**					< 1	< 1	< 1	< 1	< 1	< 1		
1,1-Dichloroethane	2016-03	ug/L	**12.6**	**0.564 J**	**8.34**	**0.279 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1-Dichloroethane	2016-06	ug/L															
1,1-Dichloroethane	2016-08	ug/L	**9.29**	< 1	**8.5**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1-Dichloroethane	2017-03	ug/L	**10.9**	< 1	**6.92**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,1-Dichloroethane	2017-08	ug/L	**6.22**	**0.417 J**	**8.08**	< 1	< 1	**0.325 J**	< 1	< 1	< 1	< 1	< 1	**0.403 J**	< 1		
1,1-Dichloroethane	2017-11	ug/L														< 1	< 1
1,1-Dichloroethane	2018-03	ug/L	**11.4**	**0.364 J**	**7.85**	< 1	< 1	**0.324 J**	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	2018-06	ug/L														< 1	< 1
1,1-Dichloroethane	2018-08	ug/L	**6.81**	< 1	**9.2**	< 1	< 1	**0.363 J**	< 1	< 1		< 1	< 1	< 1			
1,1-Dichloroethane	2018-09	ug/L													< 1	< 1	< 1
1,1-Dichloroethane	2018-11	ug/L														< 1	< 1
1,1-Dichloroethane	2019-03	ug/L	**15.1**	< 1	**2.31**	< 1	< 1	**0.334 J**	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	2019-08	ug/L	**2.04**	**0.353 J**	**6.73**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.524 J**	< 1	< 1	< 1
1,1-Dichloroethane	2020-03	ug/L	**3.48**	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
1,1-Dichloroethane	2020-04	ug/L			**2.25**									< 1			
1,1-Dichloroethane	2020-08	ug/L	**1.67**	< 1	**5.62**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1-Dichloroethane	2021-03	ug/L		< 1			< 1			< 1							

Table 14

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	2021-08	ug/L	**0.548 J+**	**0.639 J**	**1.05 J+**	< 1	< 10	**0.565 J**	**6.22**	**0.602 J**	**2.84**	< 1	< 1	**1.23**	**0.429 J+**	**0.253 J**	< 1	< 1
1,1-Dichloroethane	2022-03	ug/L							**5.32**	**1.89**	**1.26**	< 1						
1,1-Dichloroethane	2022-08	ug/L	< 1	**1.44**	< 1	< 1	< 1		**5.04**	**1.48**	**1.9**	< 1	< 1	**1.19**	**0.301 J**	**0.566 J**	< 1	< 1
1,1-Dichloroethane	2023-01	ug/L															< 1	
1,1-Dichloroethane	2023-03	ug/L							**4.57**	**2.01**	**0.928 J**	< 1					< 1	
1,1-Dichloroethane	2023-08	ug/L	< 1	**0.842 J**	< 1	< 1	< 1		**3.58**	**0.644 J**	**1.77**	< 1	< 1	**0.844 J**	< 1	< 1	< 1	< 1
1,1-Dichloroethane	2024-03	ug/L							**3.39**	< 1	< 1	< 1						
1,1-Dichloroethane	2024-08	ug/L	**0.443 J**	**1.29**	**0.309 J**	< 1	< 1		**4.29**	**1.74**	**1.32**	< 1	< 1	**0.822 J**	< 1	**0.347 J**	< 1	**0.308 J**
1,1-Dichloroethane	2025-03	ug/L							**2.89**	**0.83 J**	**0.959 J**	< 1						
1,1-Dichloroethane	2025-08	ug/L	**0.461 J**	**1.18**	**0.221 J**	< 1	< 1		**2.55**	**0.669 J**	**1.12**	< 1	< 1	**0.66 J**	< 1	< 1	< 1	< 1
1,1-Dichloroethene	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2009-07	ug/L	< 2	< 2.00		< 2		< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2	< 2	< 2	
1,1-Dichloroethene	2009-09	ug/L	< 2	< 2.00		< 2.00		< 2.00	< 2.00	< 10.0	< 2.00	< 2	< 2	< 2	< 2	< 2	< 2	
1,1-Dichloroethene	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	2010-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	2011-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 20.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	2011-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	2012-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	2012-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	2013-03	ug/L	< 2.00	< 2		< 2.00	< 2.00		< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2	< 2
1,1-Dichloroethene	2013-05	ug/L			< 2.00			< 2.00										
1,1-Dichloroethene	2013-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	2013-11	ug/L																
1,1-Dichloroethene	2014-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	2014-06	ug/L																
1,1-Dichloroethene	2014-09	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2015-03	ug/L	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2	< 2	< 2.00	< 2.00	< 2	< 2	< 2	< 2.00
1,1-Dichloroethene	2015-09	ug/L	< 2	< 2		< 2	< 2	< 2			< 2	< 2	< 2	< 2		< 2	< 2	
1,1-Dichloroethene	2015-10	ug/L			< 2				< 2	< 2					< 2			< 2
1,1-Dichloroethene	2016-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2016-06	ug/L			< 2	< 2												
1,1-Dichloroethene	2016-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2017-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2017-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2017-11	ug/L																
1,1-Dichloroethene	2018-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2018-06	ug/L																
1,1-Dichloroethene	2018-08	ug/L	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2	< 2
1,1-Dichloroethene	2018-09	ug/L					< 2						< 2	< 2				
1,1-Dichloroethene	2018-11	ug/L																
1,1-Dichloroethene	2019-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2019-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2020-03	ug/L	< 2	< 2	< 2			< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2020-04	ug/L				< 2	< 2		< 2									
1,1-Dichloroethene	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2021-03	ug/L							< 2	< 2	< 2	< 2						
1,1-Dichloroethene	2021-08	ug/L	< 2	< 2	< 2	< 2	< 20	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2022-03	ug/L							< 2	< 2	< 2	< 2						
1,1-Dichloroethene	2022-08	ug/L	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2023-01	ug/L															< 2	
1,1-Dichloroethene	2023-03	ug/L							< 2	< 2	< 2	< 2					< 2	
1,1-Dichloroethene	2023-08	ug/L	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2024-03	ug/L							< 2	< 2	< 2	< 2						
1,1-Dichloroethene	2024-08	ug/L	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2025-03	ug/L							< 2	< 2	< 2	< 2						

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,1-Dichloroethane	2021-08	ug/L	**11 J+**	< 1	**5.37**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1-Dichloroethane	2022-03	ug/L		< 1			< 1			< 1							
1,1-Dichloroethane	2022-08	ug/L	**4.44**	< 1	**4.98**	< 1	< 1	**0.398 J**	< 1	< 1			< 1	< 1	< 1		< 1
1,1-Dichloroethane	2023-01	ug/L															
1,1-Dichloroethane	2023-03	ug/L		< 1			< 1			< 1							
1,1-Dichloroethane	2023-08	ug/L	**7.97**	< 1	**4.75**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1-Dichloroethane	2024-03	ug/L		< 1			< 1			< 1							
1,1-Dichloroethane	2024-08	ug/L	**11.1**	< 1	**2.17**	< 1	< 1	**0.318 J**	< 1	< 1			< 1	< 1	< 1		< 1
1,1-Dichloroethane	2025-03	ug/L		< 1			< 1			< 1							
1,1-Dichloroethane	2025-08	ug/L	< 1 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,1-Dichloroethene	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2								
1,1-Dichloroethene	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2								
1,1-Dichloroethene	2009-07	ug/L	< 2.00	< 2	< 2	< 2	< 2.00										
1,1-Dichloroethene	2009-09	ug/L	< 2.00	< 10.0	< 2.00	< 2.00	< 2.00										
1,1-Dichloroethene	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								
1,1-Dichloroethene	2010-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								
1,1-Dichloroethene	2011-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								
1,1-Dichloroethene	2011-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								
1,1-Dichloroethene	2012-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								
1,1-Dichloroethene	2012-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								
1,1-Dichloroethene	2013-03	ug/L	< 2	< 2	< 50.0		< 2.00	< 2	< 2								
1,1-Dichloroethene	2013-05	ug/L															
1,1-Dichloroethene	2013-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
1,1-Dichloroethene	2013-11	ug/L									< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
1,1-Dichloroethene	2014-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
1,1-Dichloroethene	2014-06	ug/L									< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
1,1-Dichloroethene	2014-09	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2		
1,1-Dichloroethene	2015-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2	< 2	< 2		< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
1,1-Dichloroethene	2015-09	ug/L		< 2		< 2	< 2	< 2	< 2								
1,1-Dichloroethene	2015-10	ug/L	< 2		< 2					< 2	< 2	< 2	< 2	< 2	< 2		
1,1-Dichloroethene	2016-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		
1,1-Dichloroethene	2016-06	ug/L															
1,1-Dichloroethene	2016-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		
1,1-Dichloroethene	2017-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		
1,1-Dichloroethene	2017-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		
1,1-Dichloroethene	2017-11	ug/L														< 2	< 2
1,1-Dichloroethene	2018-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 20	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2018-06	ug/L														< 2	< 2
1,1-Dichloroethene	2018-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2			
1,1-Dichloroethene	2018-09	ug/L													< 2	< 2	< 2
1,1-Dichloroethene	2018-11	ug/L														< 2	< 2
1,1-Dichloroethene	2019-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2019-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2020-03	ug/L	< 2	< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2
1,1-Dichloroethene	2020-04	ug/L			< 2									< 2			
1,1-Dichloroethene	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2		< 2
1,1-Dichloroethene	2021-03	ug/L		< 2			< 2			< 2							
1,1-Dichloroethene	2021-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2		< 2
1,1-Dichloroethene	2022-03	ug/L		< 2			< 2			< 2							
1,1-Dichloroethene	2022-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2		< 2
1,1-Dichloroethene	2023-01	ug/L															
1,1-Dichloroethene	2023-03	ug/L		< 2			< 2			< 2							
1,1-Dichloroethene	2023-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2		< 2
1,1-Dichloroethene	2024-03	ug/L		< 2			< 2			< 2							
1,1-Dichloroethene	2024-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2		< 2
1,1-Dichloroethene	2025-03	ug/L		< 2			< 2			< 2							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	2025-08	ug/L	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloropropene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
1,1-Dichloropropene	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
1,1-Dichloropropene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloropropene	2010-09	ug/L	< 1.00	< 1.00	< 1.00			< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	
1,1-Dichloropropene	2011-03	ug/L	< 1.00	< 1.00	< 1.00			< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	
1,1-Dichloropropene	2012-09	ug/L														< 4.00		
1,1-Dichloropropene	2015-09	ug/L	< 1	< 1			< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
1,1-Dichloropropene	2015-10	ug/L							< 1	< 1					< 1			< 1
1,1-Dichloropropene	2016-03	ug/L			< 1	< 1												
1,1-Dichloropropene	2016-06	ug/L			< 1	< 1												
1,1-Dichloropropene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	2023-01	ug/L															< 1	
1,1-Dichloropropene	2023-03	ug/L															< 1	
1,1-Dichloropropene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1
1,2,3-Trichloropropane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
1,2,3-Trichloropropane	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
1,2,3-Trichloropropane	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	2013-03	ug/L	< 1.00	< 1		< 1.00	< 1.00		< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1
1,2,3-Trichloropropane	2013-05	ug/L			< 1.00			< 1.00										
1,2,3-Trichloropropane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	2013-11	ug/L																
1,2,3-Trichloropropane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	2014-06	ug/L																
1,2,3-Trichloropropane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2015-03	ug/L	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	< 1.00
1,2,3-Trichloropropane	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
1,2,3-Trichloropropane	2015-10	ug/L			< 1				< 1	< 1					< 1			< 1
1,2,3-Trichloropropane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2016-06	ug/L			< 1	< 1												
1,2,3-Trichloropropane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2017-11	ug/L																
1,2,3-Trichloropropane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2018-06	ug/L																
1,2,3-Trichloropropane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2018-09	ug/L					< 1						< 1	< 1				
1,2,3-Trichloropropane	2018-11	ug/L																
1,2,3-Trichloropropane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2020-03	ug/L	< 1	< 1	< 1			< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2020-04	ug/L				< 1	< 1		< 1									
1,2,3-Trichloropropane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2021-03	ug/L							< 1	< 1	< 1	< 1						
1,2,3-Trichloropropane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2022-03	ug/L							< 1	< 1	< 1	< 1						

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,1-Dichloroethene	2025-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2		< 2
1,1-Dichloropropene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,1-Dichloropropene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,1-Dichloropropene	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
1,1-Dichloropropene	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
1,1-Dichloropropene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,1-Dichloropropene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00										
1,1-Dichloropropene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00									
1,1-Dichloropropene	2012-09	ug/L				< 4.00											
1,1-Dichloropropene	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
1,1-Dichloropropene	2015-10	ug/L	< 1		< 1					< 1							
1,1-Dichloropropene	2016-03	ug/L					< 1			< 1							
1,1-Dichloropropene	2016-06	ug/L															
1,1-Dichloropropene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1							
1,1-Dichloropropene	2023-01	ug/L															
1,1-Dichloropropene	2023-03	ug/L					< 1			< 1							
1,1-Dichloropropene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1							
1,2,3-Trichloropropane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,2,3-Trichloropropane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,2,3-Trichloropropane	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
1,2,3-Trichloropropane	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
1,2,3-Trichloropropane	2010-03	ug/L	< 1.00	< 2.00	< 1.00	< 2.00	< 2.00	< 2.00	< 2.00								
1,2,3-Trichloropropane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,2,3-Trichloropropane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,2,3-Trichloropropane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,2,3-Trichloropropane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,2,3-Trichloropropane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,2,3-Trichloropropane	2013-03	ug/L	< 1	< 1	< 25.0		< 1.00	< 1	< 1								
1,2,3-Trichloropropane	2013-05	ug/L															
1,2,3-Trichloropropane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2,3-Trichloropropane	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2,3-Trichloropropane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2,3-Trichloropropane	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2,3-Trichloropropane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
1,2,3-Trichloropropane	2015-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2,3-Trichloropropane	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
1,2,3-Trichloropropane	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
1,2,3-Trichloropropane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2,3-Trichloropropane	2016-06	ug/L															
1,2,3-Trichloropropane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2,3-Trichloropropane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2,3-Trichloropropane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2,3-Trichloropropane	2017-11	ug/L														< 1	< 1
1,2,3-Trichloropropane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2018-06	ug/L														< 1	< 1
1,2,3-Trichloropropane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
1,2,3-Trichloropropane	2018-09	ug/L													< 1	< 1	< 1
1,2,3-Trichloropropane	2018-11	ug/L														< 1	< 1
1,2,3-Trichloropropane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2020-03	ug/L	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
1,2,3-Trichloropropane	2020-04	ug/L			< 1									< 1			
1,2,3-Trichloropropane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2,3-Trichloropropane	2021-03	ug/L		< 1			< 1			< 1							
1,2,3-Trichloropropane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2,3-Trichloropropane	2022-03	ug/L		< 1			< 1			< 1							

Table 14

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2023-01	ug/L															< 1	
1,2,3-Trichloropropane	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
1,2,3-Trichloropropane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2024-03	ug/L							< 1	< 1	< 1	< 1						
1,2,3-Trichloropropane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2025-03	ug/L							< 1	< 1	< 1	< 1						
1,2,3-Trichloropropane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4,5-Tetrachlorobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
1,2,4,5-Tetrachlorobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2,4,5-Tetrachlorobenzene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
1,2,4,5-Tetrachlorobenzene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
1,2,4,5-Tetrachlorobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
1,2,4,5-Tetrachlorobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
1,2,4,5-Tetrachlorobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
1,2,4,5-Tetrachlorobenzene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
1,2,4,5-Tetrachlorobenzene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
1,2,4,5-Tetrachlorobenzene	2016-03	ug/L			< 11.1	< 11.2												
1,2,4,5-Tetrachlorobenzene	2016-06	ug/L			< 11.4	< 11.4												
1,2,4,5-Tetrachlorobenzene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
1,2,4,5-Tetrachlorobenzene	2023-01	ug/L															< 10.9	
1,2,4,5-Tetrachlorobenzene	2023-03	ug/L															< 10.4	
1,2,4,5-Tetrachlorobenzene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
1,2,4-Trichlorobenzene	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trichlorobenzene	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trichlorobenzene	2009-07	ug/L	< 5	< 5.00		< 5		< 5	< 5	< 5	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5	
1,2,4-Trichlorobenzene	2009-09	ug/L	< 5	< 5.00		< 5.00		< 5.00	< 5.00	< 25.0	< 5.00	< 5	< 5	< 5	< 5	< 5	< 5	
1,2,4-Trichlorobenzene	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
1,2,4-Trichlorobenzene	2010-09	ug/L	< 5.00	< 5.00	< 5.00			< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	
1,2,4-Trichlorobenzene	2011-03	ug/L	< 5.00	< 5.00	< 5.00			< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	
1,2,4-Trichlorobenzene	2012-09	ug/L														< 5.00		
1,2,4-Trichlorobenzene	2015-09	ug/L	< 5	< 5			< 5	< 5			< 5	< 5	< 5	< 5		< 5	< 5	
1,2,4-Trichlorobenzene	2015-10	ug/L							< 5	< 5					< 5			< 5
1,2,4-Trichlorobenzene	2016-03	ug/L			< 5	< 5												
1,2,4-Trichlorobenzene	2016-06	ug/L			< 5	< 5												
1,2,4-Trichlorobenzene	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trichlorobenzene	2023-01	ug/L															< 5	
1,2,4-Trichlorobenzene	2023-03	ug/L															< 5	
1,2,4-Trichlorobenzene	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5
1,2-Dibromo-3-chloropropane	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromo-3-chloropropane	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromo-3-chloropropane	2009-07	ug/L	< 10	< 10.0		< 10		< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	
1,2-Dibromo-3-chloropropane	2009-09	ug/L	< 10	< 10.0		< 10.0		< 10.0	< 10.0	< 50.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	
1,2-Dibromo-3-chloropropane	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	2010-09	ug/L	< 20.0	< 20.0	< 20.0	< 10.0	< 10.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 10.0	< 20.0	< 20.0	< 20.0	< 20.0	< 10.0
1,2-Dibromo-3-chloropropane	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 100	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	2013-03	ug/L	< 10.0	< 10		< 10.0	< 10.0		< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10
1,2-Dibromo-3-chloropropane	2013-05	ug/L			< 10.0			< 10.0										
1,2-Dibromo-3-chloropropane	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	2013-11	ug/L																
1,2-Dibromo-3-chloropropane	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	2014-06	ug/L																
1,2-Dibromo-3-chloropropane	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,2,3-Trichloropropane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2,3-Trichloropropane	2023-01	ug/L															
1,2,3-Trichloropropane	2023-03	ug/L		< 1			< 1			< 1							
1,2,3-Trichloropropane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2,3-Trichloropropane	2024-03	ug/L		< 1			< 1			< 1							
1,2,3-Trichloropropane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2,3-Trichloropropane	2025-03	ug/L		< 1			< 1			< 1							
1,2,3-Trichloropropane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2,4,5-Tetrachlorobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
1,2,4,5-Tetrachlorobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
1,2,4,5-Tetrachlorobenzene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
1,2,4,5-Tetrachlorobenzene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,2,4,5-Tetrachlorobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,2,4,5-Tetrachlorobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
1,2,4,5-Tetrachlorobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
1,2,4,5-Tetrachlorobenzene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
1,2,4,5-Tetrachlorobenzene	2015-10	ug/L	< 11.8		< 10.3					< 11							
1,2,4,5-Tetrachlorobenzene	2016-03	ug/L					< 10.9			< 11.2							
1,2,4,5-Tetrachlorobenzene	2016-06	ug/L															
1,2,4,5-Tetrachlorobenzene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
1,2,4,5-Tetrachlorobenzene	2023-01	ug/L															
1,2,4,5-Tetrachlorobenzene	2023-03	ug/L					< 10			< 10							
1,2,4,5-Tetrachlorobenzene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
1,2,4-Trichlorobenzene	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5								
1,2,4-Trichlorobenzene	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5								
1,2,4-Trichlorobenzene	2009-07	ug/L	< 5.00	< 5	< 5	< 5	< 5.00										
1,2,4-Trichlorobenzene	2009-09	ug/L	< 5.00	< 25.0	< 5.00	< 5.00	< 5.00										
1,2,4-Trichlorobenzene	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
1,2,4-Trichlorobenzene	2010-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00										
1,2,4-Trichlorobenzene	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00									
1,2,4-Trichlorobenzene	2012-09	ug/L				< 5.00											
1,2,4-Trichlorobenzene	2015-09	ug/L		< 5		< 5	< 5	< 5	< 5								
1,2,4-Trichlorobenzene	2015-10	ug/L	< 5		< 5					< 5							
1,2,4-Trichlorobenzene	2016-03	ug/L					< 5			< 5							
1,2,4-Trichlorobenzene	2016-06	ug/L															
1,2,4-Trichlorobenzene	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5							
1,2,4-Trichlorobenzene	2023-01	ug/L															
1,2,4-Trichlorobenzene	2023-03	ug/L					< 5			< 5							
1,2,4-Trichlorobenzene	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5							
1,2-Dibromo-3-chloropropane	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
1,2-Dibromo-3-chloropropane	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
1,2-Dibromo-3-chloropropane	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0										
1,2-Dibromo-3-chloropropane	2009-09	ug/L	< 10.0	< 50.0	< 10.0	< 10.0	< 10.0										
1,2-Dibromo-3-chloropropane	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,2-Dibromo-3-chloropropane	2010-09	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 10.0	< 10.0								
1,2-Dibromo-3-chloropropane	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,2-Dibromo-3-chloropropane	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,2-Dibromo-3-chloropropane	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,2-Dibromo-3-chloropropane	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,2-Dibromo-3-chloropropane	2013-03	ug/L	< 10	< 10	< 250		< 10.0	< 10	< 10								
1,2-Dibromo-3-chloropropane	2013-05	ug/L															
1,2-Dibromo-3-chloropropane	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromo-3-chloropropane	2013-11	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromo-3-chloropropane	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromo-3-chloropropane	2014-06	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromo-3-chloropropane	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10		

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	2015-03	ug/L	< 10	< 10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
1,2-Dibromo-3-chloropropane	2015-09	ug/L	< 10	< 10		< 10	< 10	< 10			< 10	< 10	< 10	< 10		< 10	< 10	
1,2-Dibromo-3-chloropropane	2015-10	ug/L			< 10				< 10	< 10					< 10			< 10
1,2-Dibromo-3-chloropropane	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromo-3-chloropropane	2016-06	ug/L			< 10	< 10												
1,2-Dibromo-3-chloropropane	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2017-11	ug/L																
1,2-Dibromo-3-chloropropane	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2018-06	ug/L																
1,2-Dibromo-3-chloropropane	2018-08	ug/L	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2018-09	ug/L					< 5						< 5	< 5				
1,2-Dibromo-3-chloropropane	2018-11	ug/L																
1,2-Dibromo-3-chloropropane	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2020-03	ug/L	< 5	< 5	< 5			< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2020-04	ug/L				< 5	< 5		< 5									
1,2-Dibromo-3-chloropropane	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2021-03	ug/L							< 5	< 5	< 5	< 5						
1,2-Dibromo-3-chloropropane	2021-08	ug/L	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2022-03	ug/L							< 5	< 5	< 5	< 5						
1,2-Dibromo-3-chloropropane	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2023-01	ug/L															< 5	
1,2-Dibromo-3-chloropropane	2023-03	ug/L							< 5	< 5	< 5	< 5					< 5	
1,2-Dibromo-3-chloropropane	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2024-03	ug/L							< 5	< 5	< 5	< 5						
1,2-Dibromo-3-chloropropane	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2025-03	ug/L							< 5	< 5	< 5	< 5						
1,2-Dibromo-3-chloropropane	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromoethane	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromoethane	2009-07	ug/L	< 10	< 10.0		< 10		< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	
1,2-Dibromoethane	2009-09	ug/L	< 10	< 10.0		< 10.0		< 10.0	< 10.0	< 50.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	
1,2-Dibromoethane	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromoethane	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromoethane	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 100	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromoethane	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromoethane	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromoethane	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromoethane	2013-03	ug/L	< 10.0	< 10		< 10.0	< 10.0		< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10
1,2-Dibromoethane	2013-05	ug/L			< 10.0			< 10.0										
1,2-Dibromoethane	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromoethane	2013-11	ug/L																
1,2-Dibromoethane	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromoethane	2014-06	ug/L																
1,2-Dibromoethane	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromoethane	2015-03	ug/L	< 10	< 10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
1,2-Dibromoethane	2015-09	ug/L	< 10	< 10		< 10	< 10	< 10			< 10	< 10	< 10	< 10		< 10	< 10	
1,2-Dibromoethane	2015-10	ug/L			< 10				< 10	< 10					< 10			< 10
1,2-Dibromoethane	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromoethane	2016-06	ug/L			< 10	< 10												
1,2-Dibromoethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2017-11	ug/L																

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,2-Dibromo-3-chloropropane	2015-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromo-3-chloropropane	2015-09	ug/L		< 10		< 10	< 10	< 10	< 10								
1,2-Dibromo-3-chloropropane	2015-10	ug/L	< 10		< 10					< 10	< 10	< 10	< 10	< 10	< 10		
1,2-Dibromo-3-chloropropane	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
1,2-Dibromo-3-chloropropane	2016-06	ug/L															
1,2-Dibromo-3-chloropropane	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
1,2-Dibromo-3-chloropropane	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
1,2-Dibromo-3-chloropropane	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
1,2-Dibromo-3-chloropropane	2017-11	ug/L														< 5	< 5
1,2-Dibromo-3-chloropropane	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2018-06	ug/L														< 5	< 5
1,2-Dibromo-3-chloropropane	2018-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5			
1,2-Dibromo-3-chloropropane	2018-09	ug/L													< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2018-11	ug/L														< 5	< 5
1,2-Dibromo-3-chloropropane	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2020-03	ug/L	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2020-04	ug/L			< 5									< 5			
1,2-Dibromo-3-chloropropane	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
1,2-Dibromo-3-chloropropane	2021-03	ug/L		< 5			< 5			< 5							
1,2-Dibromo-3-chloropropane	2021-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
1,2-Dibromo-3-chloropropane	2022-03	ug/L		< 5			< 5			< 5							
1,2-Dibromo-3-chloropropane	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
1,2-Dibromo-3-chloropropane	2023-01	ug/L															
1,2-Dibromo-3-chloropropane	2023-03	ug/L		< 5			< 5			< 5							
1,2-Dibromo-3-chloropropane	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
1,2-Dibromo-3-chloropropane	2024-03	ug/L		< 5			< 5			< 5							
1,2-Dibromo-3-chloropropane	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
1,2-Dibromo-3-chloropropane	2025-03	ug/L		< 5			< 5			< 5							
1,2-Dibromo-3-chloropropane	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
1,2-Dibromoethane	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
1,2-Dibromoethane	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
1,2-Dibromoethane	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0										
1,2-Dibromoethane	2009-09	ug/L	< 10.0	< 50.0	< 10.0	< 10.0	< 10.0										
1,2-Dibromoethane	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,2-Dibromoethane	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,2-Dibromoethane	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,2-Dibromoethane	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,2-Dibromoethane	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,2-Dibromoethane	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,2-Dibromoethane	2013-03	ug/L	< 10	< 10	< 250		< 10.0	< 10	< 10								
1,2-Dibromoethane	2013-05	ug/L															
1,2-Dibromoethane	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromoethane	2013-11	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromoethane	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromoethane	2014-06	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromoethane	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10		
1,2-Dibromoethane	2015-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromoethane	2015-09	ug/L		< 10		< 10	< 10	< 10	< 10								
1,2-Dibromoethane	2015-10	ug/L	< 10		< 10					< 10	< 10	< 10	< 10	< 10	< 10		
1,2-Dibromoethane	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
1,2-Dibromoethane	2016-06	ug/L															
1,2-Dibromoethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dibromoethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dibromoethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dibromoethane	2017-11	ug/L														< 1	< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2018-06	ug/L																
1,2-Dibromoethane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dibromoethane	2018-09	ug/L					< 1						< 1	< 1				
1,2-Dibromoethane	2018-11	ug/L																
1,2-Dibromoethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2020-03	ug/L	< 1	< 1	< 1			< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2020-04	ug/L				< 1	< 1		< 1									
1,2-Dibromoethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2021-03	ug/L							< 1	< 1	< 1	< 1						
1,2-Dibromoethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2022-03	ug/L							< 1	< 1	< 1	< 1						
1,2-Dibromoethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2023-01	ug/L															< 1	
1,2-Dibromoethane	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
1,2-Dibromoethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2024-03	ug/L							< 1	< 1	< 1	< 1						
1,2-Dibromoethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2025-03	ug/L							< 1	< 1	< 1	< 1						
1,2-Dibromoethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**3.71**	**2.22**	< 1	< 1	< 1	< 1	< 1	**6.78**	< 1	< 1
1,2-Dichlorobenzene	2009-03	ug/L	**1.22**	< 1	< 1	< 1	< 1	< 1	< 1	**2.25**	< 1	< 1	< 1	< 1	< 1	**5.7**	< 1	< 1
1,2-Dichlorobenzene	2009-07	ug/L	**1.11**	< 1.00		< 1		< 1	**2.34**	**2.34**	< 1	< 1	< 1.00	< 1.00	< 1	**4.94**	< 1	
1,2-Dichlorobenzene	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	**3.34**	< 5.00	< 1.00	< 1	< 1	< 1	< 1	**4.52**	< 1	
1,2-Dichlorobenzene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**2.49**	**3.34**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**5.93**	< 1.00	< 1.00
1,2-Dichlorobenzene	2010-09	ug/L	**1.16**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**4.57**	**3.90**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**4.90**	< 1.00	< 1.00
1,2-Dichlorobenzene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	**1.09**	**2.99**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**4.87**	< 1.00	< 1.00
1,2-Dichlorobenzene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**1.65**	**4.51**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**4.53**	< 1.00	< 1.00
1,2-Dichlorobenzene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**4.47**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**4.45**	< 1.00	< 1.00
1,2-Dichlorobenzene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**3.39**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**6.04**	< 1.00	< 1.00
1,2-Dichlorobenzene	2013-03	ug/L	**0.577 J**	**0.359 J**		< 1.00	< 1.00		**0.833 J**	**4.57**	**1.07**	< 1	< 1	**0.156 J**	< 1.00	**5.20**	< 1	< 1
1,2-Dichlorobenzene	2013-05	ug/L			< 1.00			< 1.00										
1,2-Dichlorobenzene	2013-09	ug/L	**0.981 J**	**0.325 J**	< 1.00	< 1.00	< 1.00	< 1.00	**3.64**	**3.65**	**0.741 J**	< 1.00	< 1.00	**0.559 J**	< 1.00	**4.11**	< 1.00	< 1.00
1,2-Dichlorobenzene	2013-11	ug/L																
1,2-Dichlorobenzene	2014-03	ug/L	**0.913 J**	< 1.00	< 1.00	< 1.00	< 1.00	**0.910 J**	**1.05**	**0.932 J**	**0.399 J**	< 1.00	< 1.00	**0.674 J**	**0.253 J**	**6.03**	< 1.00	< 1.00
1,2-Dichlorobenzene	2014-06	ug/L																
1,2-Dichlorobenzene	2014-09	ug/L	**1.07**	< 1	< 1	< 1	< 1	< 1	**3.56**	**3.17**	**0.721 J**	< 1	< 1	< 1	< 1	**4.02**	< 1	< 1
1,2-Dichlorobenzene	2015-03	ug/L	**0.765 J**	**0.234 J**	< 1.00	< 1.00	< 1.00	< 1.00	**0.610 J**	**2.47**	**0.337 J**	< 1	< 1.00	**0.337 J**	< 1	**3.36**	< 1	< 1.00
1,2-Dichlorobenzene	2015-09	ug/L	**0.534 J**	< 1		< 1	< 1	< 1			**1.07**	< 1	< 1	**0.288 J**		**2.66**	< 1	
1,2-Dichlorobenzene	2015-10	ug/L			< 1				**1.43**	**2.03**					< 1			< 1
1,2-Dichlorobenzene	2016-03	ug/L	**0.708 J**	< 1	< 1	< 1	< 1	< 1	**4.74**	**2.32**	**1.26**	< 1	< 1	< 1	< 1	**1.72**	< 1	< 1
1,2-Dichlorobenzene	2016-06	ug/L			< 1	< 1												
1,2-Dichlorobenzene	2016-08	ug/L	**0.363 J**	< 1	< 1	< 1	< 1	< 1	**4.72**	**2.08**	**1.34**	< 1	< 1	< 1	< 1	**2.33**	< 1	< 1
1,2-Dichlorobenzene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**4.24**	**2.64**	**1.82**	< 1	< 1	< 1	< 1	**6.2**	< 1	< 1
1,2-Dichlorobenzene	2017-08	ug/L	**0.51 J**	< 1	< 1	< 1	< 1	< 1	**1.63**	**1.99**	**1.23**	< 1	< 1	**0.241 J**	< 1	**4.32**	< 1	< 1
1,2-Dichlorobenzene	2017-11	ug/L																
1,2-Dichlorobenzene	2018-03	ug/L	**0.183 J**	< 1	< 1	< 1	< 1	< 1	**0.925 J**	**2.4**	**1.75**	< 1	< 1	< 1	< 1	**4.98**	< 1	< 1
1,2-Dichlorobenzene	2018-06	ug/L																
1,2-Dichlorobenzene	2018-08	ug/L	**0.387 J**	< 1	< 1	< 1		< 1	**1.66**	**2.75**	**1.43**	< 1			< 1	**1.44**	< 1	< 1
1,2-Dichlorobenzene	2018-09	ug/L					< 1						< 1	< 1				
1,2-Dichlorobenzene	2018-11	ug/L																
1,2-Dichlorobenzene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**2.99**	**2.32**	**1.89**	< 1	< 1	< 1	< 1	**4.02**	< 1	< 1
1,2-Dichlorobenzene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**4.3**	**1.6**	< 1	< 1	< 1	< 1	< 1	**3.54**	< 1	< 1
1,2-Dichlorobenzene	2020-03	ug/L	< 1	< 1	< 1			< 1		**3.2**	**1.43**	< 1	< 1	< 1	< 1	**5.68**	< 1	< 1
1,2-Dichlorobenzene	2020-04	ug/L				< 1	< 1		**4**									

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,2-Dibromoethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2018-06	ug/L														< 1	< 1
1,2-Dibromoethane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
1,2-Dibromoethane	2018-09	ug/L													< 1	< 1	< 1
1,2-Dibromoethane	2018-11	ug/L														< 1	< 1
1,2-Dibromoethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2020-03	ug/L	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
1,2-Dibromoethane	2020-04	ug/L			< 1									< 1			
1,2-Dibromoethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dibromoethane	2021-03	ug/L		< 1			< 1			< 1							
1,2-Dibromoethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dibromoethane	2022-03	ug/L		< 1			< 1			< 1							
1,2-Dibromoethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dibromoethane	2023-01	ug/L															
1,2-Dibromoethane	2023-03	ug/L		< 1			< 1			< 1							
1,2-Dibromoethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dibromoethane	2024-03	ug/L		< 1			< 1			< 1							
1,2-Dibromoethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dibromoethane	2025-03	ug/L		< 1			< 1			< 1							
1,2-Dibromoethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichlorobenzene	2008-08	ug/L	< 1	**1.53**	**2.57**	< 1	< 1	< 1	< 1								
1,2-Dichlorobenzene	2009-03	ug/L	< 1	**1.24**	**1.82**	< 1	< 1	< 1	< 1								
1,2-Dichlorobenzene	2009-07	ug/L	< 1.00	**1.1**	**2.03**	< 1	< 1.00										
1,2-Dichlorobenzene	2009-09	ug/L	< 1.00	< 5.00	**3.30**	< 1.00	< 1.00										
1,2-Dichlorobenzene	2010-03	ug/L	< 1.00	**2.22**	**4.95**	< 1.00	< 1.00	< 1.00	< 1.00								
1,2-Dichlorobenzene	2010-09	ug/L	< 1.00	**1.16**	**2.25**	< 1.00	< 1.00	< 1.00	< 1.00								
1,2-Dichlorobenzene	2011-03	ug/L	< 1.00	**1.21**	**2.21**	< 1.00	< 1.00	< 1.00	< 1.00								
1,2-Dichlorobenzene	2011-09	ug/L	< 1.00	**1.01**	**1.38**	< 1.00	< 1.00	< 1.00	< 1.00								
1,2-Dichlorobenzene	2012-03	ug/L	< 1.00	< 1.00	**2.48**	< 1.00	< 1.00	< 1.00	< 1.00								
1,2-Dichlorobenzene	2012-09	ug/L	< 1.00	< 1.00	**3.12**	< 1.00	< 1.00	< 1.00	< 1.00								
1,2-Dichlorobenzene	2013-03	ug/L	< 1	**0.537 J**	< 25.0		< 1.00	< 1	< 1								
1,2-Dichlorobenzene	2013-05	ug/L															
1,2-Dichlorobenzene	2013-09	ug/L	< 1.00	**1.15**	**2.87**	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichlorobenzene	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichlorobenzene	2014-03	ug/L	< 1.00	< 1.00	**4.30**	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichlorobenzene	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichlorobenzene	2014-09	ug/L	< 1	**1.62**	**2.59**	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
1,2-Dichlorobenzene	2015-03	ug/L	< 1.00	**0.819 J**	**2.48**	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichlorobenzene	2015-09	ug/L		**1.24**		< 1	< 1	< 1	< 1								
1,2-Dichlorobenzene	2015-10	ug/L	< 1		**1.33**					< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichlorobenzene	2016-03	ug/L	< 1	**1.17**	**2.22**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichlorobenzene	2016-06	ug/L															
1,2-Dichlorobenzene	2016-08	ug/L	< 1	**0.877 J**	**1.25**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichlorobenzene	2017-03	ug/L	< 1	**1.01**	**1.36**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichlorobenzene	2017-08	ug/L	< 1	**0.784 J**	**0.96 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichlorobenzene	2017-11	ug/L														< 1	< 1
1,2-Dichlorobenzene	2018-03	ug/L	< 1	**0.785 J**	**0.638 J**	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2018-06	ug/L														< 1	< 1
1,2-Dichlorobenzene	2018-08	ug/L	< 1	**1.23**	**1.32**	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
1,2-Dichlorobenzene	2018-09	ug/L													< 1	< 1	< 1
1,2-Dichlorobenzene	2018-11	ug/L														< 1	< 1
1,2-Dichlorobenzene	2019-03	ug/L	< 1	**0.813 J**	**1.41**	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2019-08	ug/L	< 1	**0.495 J**	**1.16**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2020-03	ug/L	< 1	**1.06**		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
1,2-Dichlorobenzene	2020-04	ug/L			**0.985 J**									< 1			

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2020-08	ug/L	**0.672 J**	< 1	< 1	< 1	< 1	< 1	**4.05**	**2.57**	**1.04**	< 1	< 1	< 1	< 1	**4.65**	< 1	< 1
1,2-Dichlorobenzene	2021-03	ug/L							**1.86**	**1.91**	**1.27**	< 1						
1,2-Dichlorobenzene	2021-08	ug/L	**0.416 J+**	< 1	< 1	< 1	< 10	< 1	**0.79 J**	**1.99**	**0.725 J**	< 1	< 1	< 1	< 1	**3.41**	< 1	< 1
1,2-Dichlorobenzene	2022-03	ug/L							**0.525 J**	**1.91**	**1.45**	< 1						
1,2-Dichlorobenzene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		**1.04**	**1.89**	**0.711 J**	< 1	< 1	< 1	< 1	**3.95**	< 1	< 1
1,2-Dichlorobenzene	2023-01	ug/L															< 1	
1,2-Dichlorobenzene	2023-03	ug/L							**2.28**	**2.2**	**1.21**	< 1					< 1	
1,2-Dichlorobenzene	2023-08	ug/L	**0.539 J**	< 1	< 1	< 1	< 1		< 1	**1.24**	< 1	< 1	< 1	< 1	< 1	**5.07**	< 1	< 1
1,2-Dichlorobenzene	2024-03	ug/L							**0.623 J**	**2.51**	**1.13**	< 1						
1,2-Dichlorobenzene	2024-08	ug/L	**0.574 J**	< 1	< 1	< 1	< 1		**2.71**	**2.15**	**1.32**	< 1	< 1	< 1	< 1	**5.54**	< 1	< 1
1,2-Dichlorobenzene	2025-03	ug/L							**0.988 J**	**2.25**	**0.906 J**	< 1						
1,2-Dichlorobenzene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		**2.69**	**2.11**	**0.864 J**	< 1	< 1	< 1	< 1	**4.04**	< 1	< 1
1,2-Dichloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**1.47**	**1.95**	**7.41**	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2009-03	ug/L	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	**0.6 J**	**0.61 J**	**1.53**	**9.24**	< 0.2	< 0.2	< 0.2	< 0.2	**0.65 J**	< 0.2	< 0.2
1,2-Dichloroethane	2009-07	ug/L	< 0.2	< 0.200		< 1		**0.43 J**	< 1 J	**1.38**	**8.47**	< 0.2	< 0.200	< 0.200	< 0.2	< 1 J	< 0.2	
1,2-Dichloroethane	2009-09	ug/L	< 0.315	< 0.315		< 1.00		< 1.00	**1.19**	< 5.00	**11.5**	< 0.315	< 0.315	< 0.315	< 0.315	< 0.315	< 0.315	
1,2-Dichloroethane	2010-03	ug/L	< 0.315	< 0.315	< 0.315	< 0.315	< 0.315	< 0.315	**0.870 J**	**1.45**	**4.49**	< 0.315	< 0.315	< 0.315	< 0.315	< 0.315	< 0.315	< 0.315
1,2-Dichloroethane	2010-09	ug/L	< 0.315	< 0.315	< 0.315	< 1.00	< 1.00	**0.410 J**	**0.770 J**	**2.28**	**5.91**	< 0.315	< 1.00	**0.320 J**	< 0.315	< 0.315	< 0.315	< 1.00
1,2-Dichloroethane	2011-03	ug/L	< 0.180	< 0.180	< 0.180	< 1.00	< 10.0	< 0.180	< 1.00	**1.74**	**5.39**	< 0.180	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichloroethane	2011-09	ug/L	< 0.180	< 0.180	< 0.180	< 0.180	< 0.180	**0.490 J**	**0.450 J**	**1.35**	**3.79**	< 0.180	< 0.180	< 0.180	< 0.180	< 0.180	< 0.180	< 0.180
1,2-Dichloroethane	2012-03	ug/L	< 0.180	< 0.180	< 0.180	< 0.180	< 0.180	**0.470**	**0.310**	**1.52**	**2.96**	< 0.180	< 0.180	< 0.180	< 0.180	**0.190**	< 0.180	< 0.180
1,2-Dichloroethane	2012-09	ug/L	< 0.180	< 0.180	< 0.180	< 0.180	< 0.180	**0.270**	**0.450**	**1.49**	**3.96**	< 0.180	< 0.180	**0.210**	< 0.180	< 1.00	< 0.180	< 0.180
1,2-Dichloroethane	2013-03	ug/L	< 1.00	< 1		< 1.00	< 1.00		**0.243 J**	**1.12**	**2.57**	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1
1,2-Dichloroethane	2013-05	ug/L			< 1.00			**0.181 J**										
1,2-Dichloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**0.441 J**	**0.650 J**	**1.02**	**2.22**	< 1.00	< 1.00	**0.221 J**	< 1.00	**0.370 J**	< 1.00	< 1.00
1,2-Dichloroethane	2013-11	ug/L																
1,2-Dichloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**0.290 J**	< 1.00	**2.99**	< 1.00	< 1.00	< 1.00	< 1.00	**0.399 J**	< 1.00	< 1.00
1,2-Dichloroethane	2014-06	ug/L																
1,2-Dichloroethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	**0.421 J**	**0.5 J**	**0.91 J**	**2.3**	< 1	< 1	< 1	< 1	**0.549 J**	< 1	< 1
1,2-Dichloroethane	2015-03	ug/L	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**0.960 J**	**2.99**	< 1	< 1.00	< 1.00	< 1	**0.422 J**	< 1	< 1.00
1,2-Dichloroethane	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			< 1.93	< 1	< 1	< 1		< 1	< 1	
1,2-Dichloroethane	2015-10	ug/L			< 1				< 1	**0.755 J**					< 1			< 1
1,2-Dichloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**0.451 J**	**0.756 J**	**1.29**	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2016-06	ug/L			< 1	< 1												
1,2-Dichloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**0.468 J**	**0.762 J**	**0.606 J**	< 1	< 1	< 1	< 1	**0.418 J**	< 1	< 1
1,2-Dichloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	**0.245 J**	**0.611 J**	**0.707 J**	< 1	< 1	< 1	< 1	< 1	**0.425 J**	< 1	< 1
1,2-Dichloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	**0.276 J**	**0.309 J**	**0.671 J**	**0.422 J**	< 1	< 1	< 1	< 1	**0.528 J**	< 1	< 1
1,2-Dichloroethane	2017-11	ug/L																
1,2-Dichloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	**0.225 J**	**0.279 J**	**0.724 J**	**0.352 J**	< 1	< 1	< 1	< 1	**0.358 J**	< 1	< 1
1,2-Dichloroethane	2018-06	ug/L																
1,2-Dichloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	**0.817 J**	**0.575 J**	< 1			< 1	< 1	< 1	< 1
1,2-Dichloroethane	2018-09	ug/L					< 1						< 1	< 1				
1,2-Dichloroethane	2018-11	ug/L																
1,2-Dichloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.534 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.481 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2020-03	ug/L	< 1	< 1	< 1			< 1		**0.514 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2020-04	ug/L				< 1	< 1		< 1									
1,2-Dichloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**0.452 J**	**0.548 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2021-03	ug/L							< 1	**0.449 J**	< 1	< 1						
1,2-Dichloroethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	< 1	**0.45 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2022-03	ug/L							< 1	< 1	< 1	< 1						
1,2-Dichloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2023-01	ug/L															< 1	
1,2-Dichloroethane	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
1,2-Dichloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2024-03	ug/L							< 1	< 1	< 1	< 1						

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,2-Dichlorobenzene	2020-08	ug/L	< 1	**0.972 J**	**1.31**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichlorobenzene	2021-03	ug/L		**0.617 J**			< 1			< 1							
1,2-Dichlorobenzene	2021-08	ug/L	< 1	**0.846 J**	**0.694 J**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichlorobenzene	2022-03	ug/L		< 1			< 1			< 1							
1,2-Dichlorobenzene	2022-08	ug/L	< 1	**0.564 J**	**1.17**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichlorobenzene	2023-01	ug/L															
1,2-Dichlorobenzene	2023-03	ug/L		**0.481 J**			< 1			< 1							
1,2-Dichlorobenzene	2023-08	ug/L	< 1	**0.739 J**	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichlorobenzene	2024-03	ug/L		**0.479 J**			< 1			< 1							
1,2-Dichlorobenzene	2024-08	ug/L	< 1	**0.45 J**	**1.12**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichlorobenzene	2025-03	ug/L		**0.561 J**			< 1			< 1							
1,2-Dichlorobenzene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,2-Dichloroethane	2009-03	ug/L	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2								
1,2-Dichloroethane	2009-07	ug/L	< 0.200	< 1 J	< 1 J	< 1	< 0.200										
1,2-Dichloroethane	2009-09	ug/L	< 0.315	< 5.00	< 1.00	< 1.00	< 0.315										
1,2-Dichloroethane	2010-03	ug/L	< 0.315	< 0.315	**0.570 J**	< 0.315	< 0.315	< 0.315	< 0.315								
1,2-Dichloroethane	2010-09	ug/L	< 0.315	< 0.315	**0.560 J**	< 0.315	< 0.315	< 1.00	< 1.00								
1,2-Dichloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 0.180	< 1.00								
1,2-Dichloroethane	2011-09	ug/L	< 0.180	**0.230 J**	**0.300 J**	< 0.180	< 0.180	< 0.180	< 0.180								
1,2-Dichloroethane	2012-03	ug/L	< 0.180	< 0.180	**0.320**	< 0.180	< 0.180	< 0.180	< 0.180								
1,2-Dichloroethane	2012-09	ug/L	< 0.180	< 0.180	**0.380**	< 1.00	< 0.180	< 0.180	< 0.180								
1,2-Dichloroethane	2013-03	ug/L	< 1	< 1	< 25.0		< 1.00	< 1	< 1								
1,2-Dichloroethane	2013-05	ug/L															
1,2-Dichloroethane	2013-09	ug/L	< 1.00	< 1.00	**0.185 J**	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloroethane	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloroethane	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloroethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
1,2-Dichloroethane	2015-03	ug/L	< 1.00	< 1.00	**0.231 J**	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloroethane	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
1,2-Dichloroethane	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichloroethane	2016-06	ug/L															
1,2-Dichloroethane	2016-08	ug/L	< 1	< 1	**0.354 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichloroethane	2017-08	ug/L	< 1	**0.221 J**	**0.324 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichloroethane	2017-11	ug/L														< 1	< 1
1,2-Dichloroethane	2018-03	ug/L	**0.225 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	**0.19 J**	< 1
1,2-Dichloroethane	2018-06	ug/L														< 1	< 1
1,2-Dichloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
1,2-Dichloroethane	2018-09	ug/L													< 1	< 1	< 1
1,2-Dichloroethane	2018-11	ug/L														< 1	< 1
1,2-Dichloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2020-03	ug/L	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
1,2-Dichloroethane	2020-04	ug/L			< 1									< 1			
1,2-Dichloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichloroethane	2021-03	ug/L		< 1			< 1			< 1							
1,2-Dichloroethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichloroethane	2022-03	ug/L		< 1			< 1			< 1							
1,2-Dichloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichloroethane	2023-01	ug/L															
1,2-Dichloroethane	2023-03	ug/L		< 1			< 1			< 1							
1,2-Dichloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichloroethane	2024-03	ug/L		< 1			< 1			< 1							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2025-03	ug/L							< 1	< 1	< 1	< 1						
1,2-Dichloroethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**1.54**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2009-03	ug/L	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	**0.76 J**	**1.84**	**0.7 J**	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
1,2-Dichloropropane	2009-07	ug/L	< 0.4	< 0.400		< 0.4		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 1.00	< 1.00	< 0.4	< 0.4	< 0.4	
1,2-Dichloropropane	2009-09	ug/L	< 0.195	< 0.195		< 1.00		< 1.00	**1.04**	< 5.00	< 1.00	< 0.195	< 0.195	< 0.195	< 0.195	< 0.195	< 0.195	
1,2-Dichloropropane	2010-03	ug/L	< 0.195	< 0.195	< 0.195	< 0.195	< 0.195	< 0.195	**1.12**	**1.10**	**0.470 J**	< 0.195	< 0.195	< 0.195	< 0.195	< 0.195	< 0.195	< 0.195
1,2-Dichloropropane	2010-09	ug/L	< 0.195	< 0.195	< 0.195	< 1.00	< 1.00	< 0.195	**0.950 J**	**1.41**	< 0.195	< 0.195	< 1.00	< 0.195	< 0.195	< 0.195	< 0.195	< 1.00
1,2-Dichloropropane	2011-03	ug/L	< 0.110	< 0.110	< 0.110	< 1.00	< 10.0	< 0.110	< 1.00	**1.38**	< 0.110	< 0.110	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichloropropane	2011-09	ug/L	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	**0.600 J**	**1.06**	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110
1,2-Dichloropropane	2012-03	ug/L	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	**1.00**	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110
1,2-Dichloropropane	2012-09	ug/L	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	**1.14**	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 1.00	< 0.110	< 0.110
1,2-Dichloropropane	2013-03	ug/L	< 1.00	< 1		< 1.00	< 1.00		< 1	**0.871 J**	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1
1,2-Dichloropropane	2013-05	ug/L			< 1.00			< 1.00										
1,2-Dichloropropane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichloropropane	2013-11	ug/L																
1,2-Dichloropropane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichloropropane	2014-06	ug/L																
1,2-Dichloropropane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2015-03	ug/L	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	< 1.00
1,2-Dichloropropane	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
1,2-Dichloropropane	2015-10	ug/L			< 1				< 1	< 1					< 1			< 1
1,2-Dichloropropane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2016-06	ug/L			< 1	< 1												
1,2-Dichloropropane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2017-11	ug/L																
1,2-Dichloropropane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2018-06	ug/L																
1,2-Dichloropropane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	**0.428 J**	**0.393 J**	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichloropropane	2018-09	ug/L					< 1						< 1	< 1				
1,2-Dichloropropane	2018-11	ug/L																
1,2-Dichloropropane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**0.448 J**	**0.27 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**0.586 J**	**0.344 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2020-03	ug/L	< 1	< 1	< 1			< 1		**0.379 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2020-04	ug/L				< 1	< 1		< 1									
1,2-Dichloropropane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**0.433 J**	**0.327 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2021-03	ug/L							**0.399 J**	**0.368 J**	< 1	< 1						
1,2-Dichloropropane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	< 1	**0.361 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2022-03	ug/L							**0.308 J**	< 1	< 1	< 1						
1,2-Dichloropropane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		**0.489 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2023-01	ug/L															< 1	
1,2-Dichloropropane	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
1,2-Dichloropropane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2024-03	ug/L							< 1	< 1	< 1	< 1						
1,2-Dichloropropane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		**0.318 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2025-03	ug/L							< 1	< 1	< 1	< 1						
1,2-Dichloropropane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trinitrobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
1,3,5-Trinitrobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3,5-Trinitrobenzene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
1,3,5-Trinitrobenzene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
1,3,5-Trinitrobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
1,3,5-Trinitrobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,2-Dichloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichloroethane	2025-03	ug/L		< 1			< 1			< 1							
1,2-Dichloroethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichloropropane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,2-Dichloropropane	2009-03	ug/L	**0.44 J**	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4								
1,2-Dichloropropane	2009-07	ug/L	< 0.400	< 0.4	< 0.4	< 0.4	< 0.400										
1,2-Dichloropropane	2009-09	ug/L	< 0.195	< 5.00	< 1.00	< 1.00	< 0.195										
1,2-Dichloropropane	2010-03	ug/L	**0.400 J**	**0.470 J**	**0.780 J**	< 0.195	< 0.195	< 0.195	< 0.195								
1,2-Dichloropropane	2010-09	ug/L	< 0.195	< 0.195	**0.810 J**	< 0.195	< 0.195	< 1.00	< 1.00								
1,2-Dichloropropane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 0.110	< 1.00								
1,2-Dichloropropane	2011-09	ug/L	**0.420 J**	< 0.110	**0.650 J**	< 0.110	< 0.110	< 0.110	< 0.110								
1,2-Dichloropropane	2012-03	ug/L	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110								
1,2-Dichloropropane	2012-09	ug/L	< 0.110	< 0.110	**0.610**	< 1.00	< 0.110	< 0.110	< 0.110								
1,2-Dichloropropane	2013-03	ug/L	< 1	< 1	< 25.0		< 1.00	< 1	< 1								
1,2-Dichloropropane	2013-05	ug/L															
1,2-Dichloropropane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloropropane	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloropropane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloropropane	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloropropane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
1,2-Dichloropropane	2015-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloropropane	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
1,2-Dichloropropane	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichloropropane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichloropropane	2016-06	ug/L															
1,2-Dichloropropane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichloropropane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichloropropane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichloropropane	2017-11	ug/L														< 1	< 1
1,2-Dichloropropane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2018-06	ug/L														< 1	< 1
1,2-Dichloropropane	2018-08	ug/L	**0.436 J**	< 1	**0.453 J**	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
1,2-Dichloropropane	2018-09	ug/L													< 1	< 1	< 1
1,2-Dichloropropane	2018-11	ug/L														< 1	< 1
1,2-Dichloropropane	2019-03	ug/L	**0.341 J**	< 1	**0.466 J**	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2019-08	ug/L	**0.492 J**	< 1	**0.352 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2020-03	ug/L	**0.278 J**	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
1,2-Dichloropropane	2020-04	ug/L			< 1									< 1			
1,2-Dichloropropane	2020-08	ug/L	**0.357 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichloropropane	2021-03	ug/L		< 1			< 1			< 1							
1,2-Dichloropropane	2021-08	ug/L	**1.48 J+**	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichloropropane	2022-03	ug/L		< 1			< 1			< 1							
1,2-Dichloropropane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichloropropane	2023-01	ug/L															
1,2-Dichloropropane	2023-03	ug/L		< 1			< 1			< 1							
1,2-Dichloropropane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichloropropane	2024-03	ug/L		< 1			< 1			< 1							
1,2-Dichloropropane	2024-08	ug/L	**0.353 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,2-Dichloropropane	2025-03	ug/L		< 1			< 1			< 1							
1,2-Dichloropropane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,3,5-Trinitrobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
1,3,5-Trinitrobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
1,3,5-Trinitrobenzene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
1,3,5-Trinitrobenzene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,3,5-Trinitrobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,3,5-Trinitrobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trinitrobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
1,3,5-Trinitrobenzene	2011-09	ug/L																
1,3,5-Trinitrobenzene	2012-03	ug/L																
1,3,5-Trinitrobenzene	2012-09	ug/L																
1,3,5-Trinitrobenzene	2013-03	ug/L																
1,3,5-Trinitrobenzene	2013-09	ug/L																
1,3,5-Trinitrobenzene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
1,3,5-Trinitrobenzene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
1,3,5-Trinitrobenzene	2016-03	ug/L			< 11.1	< 11.2												
1,3,5-Trinitrobenzene	2016-06	ug/L			< 11.4	< 11.4												
1,3,5-Trinitrobenzene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
1,3,5-Trinitrobenzene	2023-01	ug/L															< 10.9	
1,3,5-Trinitrobenzene	2023-03	ug/L															< 10.4	
1,3,5-Trinitrobenzene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
1,3-Dichlorobenzene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	2009-07	ug/L	< 1	< 1.00		< 1		< 1	**5.57**	**9.48**	**1.09**	< 1	< 1.00	< 1.00	< 1	**8.2**	< 1	
1,3-Dichlorobenzene	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
1,3-Dichlorobenzene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,3-Dichlorobenzene	2010-09	ug/L	< 1.00	< 1.00	< 1.00			< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	
1,3-Dichlorobenzene	2011-03	ug/L	< 1.00	< 1.00	< 1.00			< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	
1,3-Dichlorobenzene	2011-09	ug/L							< 1.00	< 1.00	< 1.00					< 1.00		
1,3-Dichlorobenzene	2012-03	ug/L							< 1.00	< 1.00	< 1.00					< 1.00		
1,3-Dichlorobenzene	2012-09	ug/L							< 1.00	< 1.00	< 1.00		< 1.00			< 1.00		
1,3-Dichlorobenzene	2013-03	ug/L							**2.16**	< 1	< 1					< 1.00		
1,3-Dichlorobenzene	2013-09	ug/L							< 1.00	< 1.00	< 1.00					< 1.00		
1,3-Dichlorobenzene	2014-03	ug/L							< 1.00	< 1.00	< 1.00					< 1.00		
1,3-Dichlorobenzene	2014-09	ug/L							< 1	< 1	< 1					< 1		
1,3-Dichlorobenzene	2015-03	ug/L							< 1.00	< 1.00	< 1					< 1		
1,3-Dichlorobenzene	2015-09	ug/L	< 1	< 1			< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
1,3-Dichlorobenzene	2015-10	ug/L							< 1	< 1					< 1			< 1
1,3-Dichlorobenzene	2016-03	ug/L			< 1	< 1			< 1	< 1	< 1					< 1		
1,3-Dichlorobenzene	2016-06	ug/L			< 1	< 1												
1,3-Dichlorobenzene	2016-08	ug/L							< 1	< 1	< 1					< 1		
1,3-Dichlorobenzene	2017-03	ug/L							< 1	< 1	< 1					< 1		
1,3-Dichlorobenzene	2017-08	ug/L							< 1	< 1	< 1					< 1		
1,3-Dichlorobenzene	2018-03	ug/L							< 1	< 1	< 1					< 1		
1,3-Dichlorobenzene	2018-08	ug/L							< 1	< 1	< 1					< 1		
1,3-Dichlorobenzene	2019-03	ug/L							< 1	< 1	< 1					< 1		
1,3-Dichlorobenzene	2019-08	ug/L							< 1	< 1	< 1					< 1		
1,3-Dichlorobenzene	2020-03	ug/L								< 1	< 1					< 1		
1,3-Dichlorobenzene	2020-04	ug/L							< 1									
1,3-Dichlorobenzene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	2021-03	ug/L							< 1	< 1	< 1							
1,3-Dichlorobenzene	2021-08	ug/L							< 1	< 1	< 1					< 1		
1,3-Dichlorobenzene	2022-03	ug/L							< 1	< 1	< 1							
1,3-Dichlorobenzene	2022-08	ug/L							< 1	< 1	< 1					< 1		
1,3-Dichlorobenzene	2023-01	ug/L															< 1	
1,3-Dichlorobenzene	2023-03	ug/L							< 1	< 1	< 1						< 1	
1,3-Dichlorobenzene	2023-08	ug/L							< 1	< 1	< 1					< 1		
1,3-Dichlorobenzene	2024-03	ug/L							< 1	< 1	< 1							
1,3-Dichlorobenzene	2024-08	ug/L							< 1	< 1	< 1					< 1		
1,3-Dichlorobenzene	2025-03	ug/L							< 1	< 1	< 1							
1,3-Dichlorobenzene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1
1,3-Dichloropropane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,3,5-Trinitrobenzene	2011-03	ug/L	< 10.0	**2.88 J**	< 10.0	< 10.0	< 10.0	< 10.0									
1,3,5-Trinitrobenzene	2011-09	ug/L		< 10.0			< 10.0										
1,3,5-Trinitrobenzene	2012-03	ug/L		< 10.0			< 10.0										
1,3,5-Trinitrobenzene	2012-09	ug/L		< 10.0			< 10.0										
1,3,5-Trinitrobenzene	2013-03	ug/L		< 10.5			< 11.8										
1,3,5-Trinitrobenzene	2013-09	ug/L		< 10.1													
1,3,5-Trinitrobenzene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
1,3,5-Trinitrobenzene	2015-10	ug/L	< 11.8		< 10.3					< 11							
1,3,5-Trinitrobenzene	2016-03	ug/L					< 10.9			< 11.2							
1,3,5-Trinitrobenzene	2016-06	ug/L															
1,3,5-Trinitrobenzene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
1,3,5-Trinitrobenzene	2023-01	ug/L															
1,3,5-Trinitrobenzene	2023-03	ug/L					< 10			< 10							
1,3,5-Trinitrobenzene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
1,3-Dichlorobenzene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,3-Dichlorobenzene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,3-Dichlorobenzene	2009-07	ug/L	< 1.00	< 1	**6.58**	**3.68**	< 1.00										
1,3-Dichlorobenzene	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
1,3-Dichlorobenzene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,3-Dichlorobenzene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00										
1,3-Dichlorobenzene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00									
1,3-Dichlorobenzene	2011-09	ug/L			< 1.00	< 1.00	< 1.00										
1,3-Dichlorobenzene	2012-03	ug/L			< 1.00	< 1.00	< 1.00										
1,3-Dichlorobenzene	2012-09	ug/L			< 1.00	< 1.00											
1,3-Dichlorobenzene	2013-03	ug/L			< 25.0		< 1.00										
1,3-Dichlorobenzene	2013-09	ug/L			< 1.00	< 1.00											
1,3-Dichlorobenzene	2014-03	ug/L			< 1.00	< 1.00	< 1.00										
1,3-Dichlorobenzene	2014-09	ug/L			< 1	< 1	< 1										
1,3-Dichlorobenzene	2015-03	ug/L			< 1.00	< 1.00	< 1										
1,3-Dichlorobenzene	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
1,3-Dichlorobenzene	2015-10	ug/L	< 1		< 1					< 1							
1,3-Dichlorobenzene	2016-03	ug/L			< 1	< 1	< 1			< 1							
1,3-Dichlorobenzene	2016-06	ug/L															
1,3-Dichlorobenzene	2016-08	ug/L			< 1	< 1	< 1			< 1							
1,3-Dichlorobenzene	2017-03	ug/L			< 1	< 1	< 1			< 1							
1,3-Dichlorobenzene	2017-08	ug/L			< 1	< 1	< 1			< 1				< 1			
1,3-Dichlorobenzene	2018-03	ug/L			< 1	< 1	< 1			< 10							
1,3-Dichlorobenzene	2018-08	ug/L			< 1	< 1	< 1			< 1							
1,3-Dichlorobenzene	2019-03	ug/L			< 1	< 1	< 1			< 1							
1,3-Dichlorobenzene	2019-08	ug/L			< 1	< 1	< 1			< 1							
1,3-Dichlorobenzene	2020-03	ug/L				< 1	< 1			< 1							
1,3-Dichlorobenzene	2020-04	ug/L			< 1												
1,3-Dichlorobenzene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1							
1,3-Dichlorobenzene	2021-03	ug/L					< 1			< 1							
1,3-Dichlorobenzene	2021-08	ug/L			< 1	**0.561 J**	< 1			< 1							
1,3-Dichlorobenzene	2022-03	ug/L					< 1			< 1							
1,3-Dichlorobenzene	2022-08	ug/L			< 1	< 1	< 1			< 1							
1,3-Dichlorobenzene	2023-01	ug/L															
1,3-Dichlorobenzene	2023-03	ug/L					< 1			< 1							
1,3-Dichlorobenzene	2023-08	ug/L			< 1	< 1	< 1			< 1							
1,3-Dichlorobenzene	2024-03	ug/L					< 1			< 1							
1,3-Dichlorobenzene	2024-08	ug/L			< 1	< 1	< 1			< 1							
1,3-Dichlorobenzene	2025-03	ug/L					< 1			< 1							
1,3-Dichlorobenzene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1							
1,3-Dichloropropane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,3-Dichloropropane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
1,3-Dichloropropane	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
1,3-Dichloropropane	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,3-Dichloropropane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	
1,3-Dichloropropane	2011-03	ug/L	< 1.00	< 1.00	< 1.00			< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	
1,3-Dichloropropane	2012-09	ug/L														< 1.00		
1,3-Dichloropropane	2015-09	ug/L	< 1	< 1			< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
1,3-Dichloropropane	2015-10	ug/L							< 1	< 1					< 1			< 1
1,3-Dichloropropane	2016-03	ug/L			< 1	< 1												
1,3-Dichloropropane	2016-06	ug/L			< 1	< 1												
1,3-Dichloropropane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	2023-01	ug/L															< 1	
1,3-Dichloropropane	2023-03	ug/L															< 1	
1,3-Dichloropropane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1
1,3-Dinitrobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
1,3-Dinitrobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3-Dinitrobenzene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
1,3-Dinitrobenzene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
1,3-Dinitrobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
1,3-Dinitrobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	**0.170 J**	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
1,3-Dinitrobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
1,3-Dinitrobenzene	2011-09	ug/L									< 10.0							
1,3-Dinitrobenzene	2012-03	ug/L									< 10.0							
1,3-Dinitrobenzene	2012-09	ug/L									< 10.0							
1,3-Dinitrobenzene	2013-03	ug/L									< 10.6							
1,3-Dinitrobenzene	2013-09	ug/L									< 10.6							
1,3-Dinitrobenzene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
1,3-Dinitrobenzene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
1,3-Dinitrobenzene	2016-03	ug/L			< 11.1	< 11.2												
1,3-Dinitrobenzene	2016-06	ug/L			< 11.4	< 11.4												
1,3-Dinitrobenzene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
1,3-Dinitrobenzene	2023-01	ug/L															< 10.9	
1,3-Dinitrobenzene	2023-03	ug/L															< 10.4	
1,3-Dinitrobenzene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
1,4-Dichlorobenzene	2008-08	ug/L	**1.29**	< 1	< 1	< 1	< 1	< 1	**7.94**	**8.05**	**1.8**	< 1	< 1	< 1	< 1	**11.4**	< 1	< 1
1,4-Dichlorobenzene	2009-03	ug/L	**1.87**	< 1	< 1	< 1	< 1	< 1	**1.84**	**7.28**	**1.13**	< 1	< 1	< 1	< 1	**7.82**	< 1	< 1
1,4-Dichlorobenzene	2009-07	ug/L	**2.23**	< 1.00		< 1		< 1	**5.17**	**8.8**	**1.01**	< 1	< 1.00	< 1.00	< 1	**7.6**	< 1	
1,4-Dichlorobenzene	2009-09	ug/L	**1.89**	< 1.00		< 1.00		< 1.00	**6.42**	**11.2**	< 1.00	< 1	< 1	< 1	< 1	**7.07**	< 1	
1,4-Dichlorobenzene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**4.70**	**13.8**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**11.0**	< 1.00	< 1.00
1,4-Dichlorobenzene	2010-09	ug/L	**2.55**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**8.95**	**13.4**	**1.56**	< 1.00	< 1.00	< 1.00	< 1.00	**8.09**	< 1.00	< 1.00
1,4-Dichlorobenzene	2011-03	ug/L	**1.68**	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	**2.69**	**10.1**	**1.84**	< 1.00	< 1.00	< 1.00	< 1.00	**8.19**	< 1.00	< 1.00
1,4-Dichlorobenzene	2011-09	ug/L	**1.71**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**3.55**	**14.9**	**1.70**	< 1.00	< 1.00	< 1.00	< 1.00	**7.45**	< 1.00	< 1.00
1,4-Dichlorobenzene	2012-03	ug/L	**1.60**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**1.56**	**14.7**	**1.95**	< 1.00	< 1.00	< 1.00	< 1.00	**8.10**	< 1.00	< 1.00
1,4-Dichlorobenzene	2012-09	ug/L	**1.75**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**2.24**	**12.1**	**2.95**	< 1.00	< 1.00	< 1.00	< 1.00	**10.0**	< 1.00	< 1.00
1,4-Dichlorobenzene	2013-03	ug/L	**1.17**	< 1		< 1.00	< 1.00		**2.07**	**16.3**	**3.94**	< 1	< 1	**0.289 J**	< 1.00	**8.80**	< 1	< 1
1,4-Dichlorobenzene	2013-05	ug/L			< 1.00			< 1.00										
1,4-Dichlorobenzene	2013-09	ug/L	**2.17**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**7.05**	**13.8**	**2.61**	< 1.00	< 1.00	**0.686 J**	< 1.00	**6.92**	< 1.00	< 1.00
1,4-Dichlorobenzene	2013-11	ug/L																
1,4-Dichlorobenzene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**3.95**	< 1.00	**0.808 J**	**1.96**	< 1.00	< 1.00	< 1.00	**0.428 J**	**9.87**	< 1.00	< 1.00
1,4-Dichlorobenzene	2014-06	ug/L																
1,4-Dichlorobenzene	2014-09	ug/L	**2.41**	< 1	< 1	< 1	< 1	< 1	**7.45**	**15.1**	**2.33**	< 1	< 1	< 1	< 1	**7.33**	< 1	< 1
1,4-Dichlorobenzene	2015-03	ug/L	**1.65**	< 1	< 1.00	< 1.00	< 1.00	< 1.00	**1.17**	**10.9**	< 1	< 1	< 1.00	**0.298 J**	< 1	**5.52**	< 1	< 1.00
1,4-Dichlorobenzene	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			**3.53**	< 1	< 1	< 1		**4.31**	< 1	
1,4-Dichlorobenzene	2015-10	ug/L			< 1				**3.03**	**9.99**					< 1			**0.807 J**
1,4-Dichlorobenzene	2016-03	ug/L	**1.76**	**0.281 J**	< 1	< 1	< 1	< 1	**9.09**	**12.7**	**3.81**	< 1	< 1	< 1	< 1	**3.71**	< 1	< 1
1,4-Dichlorobenzene	2016-06	ug/L			< 1	< 1												

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2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,3-Dichloropropane	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
1,3-Dichloropropane	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
1,3-Dichloropropane	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
1,3-Dichloropropane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00										
1,3-Dichloropropane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00									
1,3-Dichloropropane	2012-09	ug/L			< 2.00	< 1.00											
1,3-Dichloropropane	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
1,3-Dichloropropane	2015-10	ug/L	< 1		< 1					< 1							
1,3-Dichloropropane	2016-03	ug/L					< 1			< 1							
1,3-Dichloropropane	2016-06	ug/L															
1,3-Dichloropropane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1							
1,3-Dichloropropane	2023-01	ug/L															
1,3-Dichloropropane	2023-03	ug/L					< 1			< 1							
1,3-Dichloropropane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1							
1,3-Dinitrobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
1,3-Dinitrobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
1,3-Dinitrobenzene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
1,3-Dinitrobenzene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,3-Dinitrobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,3-Dinitrobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
1,3-Dinitrobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
1,3-Dinitrobenzene	2011-09	ug/L					< 10.0										
1,3-Dinitrobenzene	2012-03	ug/L					< 10.0										
1,3-Dinitrobenzene	2012-09	ug/L					< 10.0										
1,3-Dinitrobenzene	2013-03	ug/L					< 11.8										
1,3-Dinitrobenzene	2013-09	ug/L															
1,3-Dinitrobenzene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
1,3-Dinitrobenzene	2015-10	ug/L	< 11.8		< 10.3					< 11							
1,3-Dinitrobenzene	2016-03	ug/L					< 10.9			< 11.2							
1,3-Dinitrobenzene	2016-06	ug/L															
1,3-Dinitrobenzene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
1,3-Dinitrobenzene	2023-01	ug/L															
1,3-Dinitrobenzene	2023-03	ug/L					< 10			< 10							
1,3-Dinitrobenzene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
1,4-Dichlorobenzene	2008-08	ug/L	< 1	**7.09**	**7.73**	< 1	< 1	< 1	< 1								
1,4-Dichlorobenzene	2009-03	ug/L	< 1	**5.57**	**4.34**	< 1	< 1	< 1	< 1								
1,4-Dichlorobenzene	2009-07	ug/L	< 1.00	**6.1**	**6.1**	**3.42**	< 1.00										
1,4-Dichlorobenzene	2009-09	ug/L	< 1.00	**6.00**	**8.54**	< 1.00	< 1.00										
1,4-Dichlorobenzene	2010-03	ug/L	< 1.00	**10.1**	**10.3**	< 1.00	< 1.00	< 1.00	< 1.00								
1,4-Dichlorobenzene	2010-09	ug/L	< 1.00	**6.15**	**5.41**	< 1.00	< 1.00	< 1.00	< 1.00								
1,4-Dichlorobenzene	2011-03	ug/L	< 1.00	**5.99**	**5.02**	< 1.00	< 1.00	< 1.00	< 1.00								
1,4-Dichlorobenzene	2011-09	ug/L	< 1.00	**5.55**	**3.34**	< 1.00	< 1.00	< 1.00	< 1.00								
1,4-Dichlorobenzene	2012-03	ug/L	< 1.00	**4.87**	**5.01**	< 1.00	< 1.00	< 1.00	< 1.00								
1,4-Dichlorobenzene	2012-09	ug/L	< 1.00	**4.73**	**6.59**	< 1.00	< 1.00	< 1.00	< 1.00								
1,4-Dichlorobenzene	2013-03	ug/L	< 1	**3.04**	< 25.0		< 1.00	< 1	< 1								
1,4-Dichlorobenzene	2013-05	ug/L															
1,4-Dichlorobenzene	2013-09	ug/L	< 1.00	**5.55**	**5.95**	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,4-Dichlorobenzene	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,4-Dichlorobenzene	2014-03	ug/L	< 1.00	< 1.00	**8.42**	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,4-Dichlorobenzene	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,4-Dichlorobenzene	2014-09	ug/L	< 1	**6.86**	**5.37**	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
1,4-Dichlorobenzene	2015-03	ug/L	< 1.00	**4.07**	**4.89**	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,4-Dichlorobenzene	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
1,4-Dichlorobenzene	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
1,4-Dichlorobenzene	2016-03	ug/L	< 1	**5.37**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,4-Dichlorobenzene	2016-06	ug/L															

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**9.12**	**15**	**7.43**	< 1	< 1	< 1	< 1	**5.08**	< 1	< 1
1,4-Dichlorobenzene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**8.46**	**14.9**	< 1	< 1	< 1	**0.202 J**	< 1	**11.6**	< 1	< 1
1,4-Dichlorobenzene	2017-08	ug/L	**1.41**	< 1	< 1	< 1	< 1	< 1	**3.12**	**11.9**	**4.7**	< 1	< 1	< 1	< 1	**7.87**	< 1	< 1
1,4-Dichlorobenzene	2017-11	ug/L																
1,4-Dichlorobenzene	2018-03	ug/L	**0.657 J**	< 1	< 1	< 1	< 1	< 1	**1.55**	**12.2**	**6.35**	< 1	< 1	< 1	< 1	**10.5**	< 1	< 1
1,4-Dichlorobenzene	2018-06	ug/L																
1,4-Dichlorobenzene	2018-08	ug/L	**1.19**	< 1	< 1	< 1		< 1	**3.26**	**13.5**	**5.8**	< 1			< 1	**4.27**	< 1	< 1
1,4-Dichlorobenzene	2018-09	ug/L					< 1						< 1	< 1				
1,4-Dichlorobenzene	2018-11	ug/L																
1,4-Dichlorobenzene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**5.51**	**14.7**	**7.88**	< 1	< 1	< 1	< 1	**9.66**	< 1	< 1
1,4-Dichlorobenzene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**11.2**	**13.7**	**3.36**	< 1	< 1	< 1	< 1	**8.81**	< 1	< 1
1,4-Dichlorobenzene	2020-03	ug/L	**0.541 J**	< 1	< 1			**0.268 J**		**19.5**	**5.37**	< 1	< 1	**0.569 J**	< 1	**12.6**	< 1	< 1
1,4-Dichlorobenzene	2020-04	ug/L				< 1	< 1		**8.64**									
1,4-Dichlorobenzene	2020-08	ug/L	**1.44**	**0.247 J**	< 1	< 1	< 1	**0.247 J**	**9.74**	**16.2**	**4.34**	< 1	< 1	**0.614 J**	< 1	**9.64**	< 1	< 1
1,4-Dichlorobenzene	2021-03	ug/L							**4.13**	**11.8**	**4.45**	< 1						
1,4-Dichlorobenzene	2021-08	ug/L	**0.928 J+**	< 1	< 1	< 1	< 10	< 1	**1.68**	**13.3**	**2.94**	< 1	< 1	**0.638 J**	< 1	**7.96**	< 1	< 1
1,4-Dichlorobenzene	2022-03	ug/L							**1.11**	**13**	**5.68**	< 1						
1,4-Dichlorobenzene	2022-08	ug/L	**0.665 J**	< 1	< 1	< 1	< 1		**2.34**	**13.3**	**2.8**	< 1	< 1	< 1	< 1	**11.1**	< 1	< 1
1,4-Dichlorobenzene	2023-01	ug/L															< 1	
1,4-Dichlorobenzene	2023-03	ug/L							**5.99**	**14.6**	**5.2**	< 1					< 1	
1,4-Dichlorobenzene	2023-08	ug/L	**1.19**	< 1	< 1	< 1	< 1		**1.24**	**12.9**	< 1	< 1	< 1	< 1	< 1	**11.9**	< 1	< 1
1,4-Dichlorobenzene	2024-03	ug/L							**1.2**	**15**	**4.6**	< 1						
1,4-Dichlorobenzene	2024-08	ug/L	**1.26**	< 1	< 1	< 1	< 1		**8.01**	**12.4**	**5.18**	< 1	< 1	**0.348 J**	< 1	**11.7**	< 1	< 1
1,4-Dichlorobenzene	2025-03	ug/L							**2.47**	**14.5**	**4.52**	< 1						
1,4-Dichlorobenzene	2025-08	ug/L	**0.486 J**	< 1	< 1	< 1	< 1		**8.93**	**15.8**	**5.34**	< 1	< 1	< 1	< 1	**7.42**	< 1	< 1
1,4-Naphthoquinone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
1,4-Naphthoquinone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-Naphthoquinone	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
1,4-Naphthoquinone	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
1,4-Naphthoquinone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
1,4-Naphthoquinone	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
1,4-Naphthoquinone	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
1,4-Naphthoquinone	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
1,4-Naphthoquinone	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
1,4-Naphthoquinone	2016-03	ug/L			< 11.1	< 11.2												
1,4-Naphthoquinone	2016-06	ug/L			< 11.4	< 11.4												
1,4-Naphthoquinone	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
1,4-Naphthoquinone	2023-01	ug/L															< 10.9	
1,4-Naphthoquinone	2023-03	ug/L															< 10.4	
1,4-Naphthoquinone	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
1-Naphthylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
1-Naphthylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1-Naphthylamine	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
1-Naphthylamine	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
1-Naphthylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
1-Naphthylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
1-Naphthylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
1-Naphthylamine	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
1-Naphthylamine	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
1-Naphthylamine	2016-03	ug/L			< 11.1	< 11.2												
1-Naphthylamine	2016-06	ug/L			< 11.4	< 11.4												
1-Naphthylamine	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
1-Naphthylamine	2023-01	ug/L															< 10.9	
1-Naphthylamine	2023-03	ug/L															< 10.4	
1-Naphthylamine	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2,2-Dichloropropane	2008-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Table 14

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Permit No. 57-SDP-03-75C

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2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
1,4-Dichlorobenzene	2016-08	ug/L	< 1	**5.52**	**3.72**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,4-Dichlorobenzene	2017-03	ug/L	< 1	**4.67**	**3.6**	**0.354 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,4-Dichlorobenzene	2017-08	ug/L	< 1	**3.62**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
1,4-Dichlorobenzene	2017-11	ug/L														< 1	< 1
1,4-Dichlorobenzene	2018-03	ug/L	< 1	**3.3**	**2.17**	**0.272 J**	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	2018-06	ug/L														< 1	< 1
1,4-Dichlorobenzene	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
1,4-Dichlorobenzene	2018-09	ug/L													< 1	< 1	< 1
1,4-Dichlorobenzene	2018-11	ug/L														< 1	< 1
1,4-Dichlorobenzene	2019-03	ug/L	< 1	**3.11**	< 1	**0.58 J**	< 1	**0.263 J**	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	2019-08	ug/L	< 1	**4.58**	**3.97**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	2020-03	ug/L	< 1	**4.12**		**0.242 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
1,4-Dichlorobenzene	2020-04	ug/L			**2.48**									< 1			
1,4-Dichlorobenzene	2020-08	ug/L	< 1	**4.03**	**3.25**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,4-Dichlorobenzene	2021-03	ug/L		**2.48**			< 1			< 1							
1,4-Dichlorobenzene	2021-08	ug/L	< 1	**3.56**	**1.97**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	**0.344 J**		< 1
1,4-Dichlorobenzene	2022-03	ug/L		**1.27**			< 1			< 1							
1,4-Dichlorobenzene	2022-08	ug/L	< 1	**2.77**	**3.03**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,4-Dichlorobenzene	2023-01	ug/L															
1,4-Dichlorobenzene	2023-03	ug/L		**2.32**			< 1			< 1							
1,4-Dichlorobenzene	2023-08	ug/L	< 1	**3.42**	**2.17**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,4-Dichlorobenzene	2024-03	ug/L		**2.94**			< 1			< 1							
1,4-Dichlorobenzene	2024-08	ug/L	< 1	**2.47**	**3.69**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,4-Dichlorobenzene	2025-03	ug/L		**2.63**			< 1			< 1							
1,4-Dichlorobenzene	2025-08	ug/L	< 1	**2.09**	**1.48**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
1,4-Naphthoquinone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
1,4-Naphthoquinone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
1,4-Naphthoquinone	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
1,4-Naphthoquinone	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,4-Naphthoquinone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1,4-Naphthoquinone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
1,4-Naphthoquinone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
1,4-Naphthoquinone	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
1,4-Naphthoquinone	2015-10	ug/L	< 11.8		< 10.3					< 11							
1,4-Naphthoquinone	2016-03	ug/L					< 10.9			< 11.2							
1,4-Naphthoquinone	2016-06	ug/L															
1,4-Naphthoquinone	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
1,4-Naphthoquinone	2023-01	ug/L															
1,4-Naphthoquinone	2023-03	ug/L					< 10			< 10							
1,4-Naphthoquinone	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
1-Naphthylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
1-Naphthylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
1-Naphthylamine	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
1-Naphthylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1-Naphthylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
1-Naphthylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
1-Naphthylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
1-Naphthylamine	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
1-Naphthylamine	2015-10	ug/L	< 11.8		< 10.3					< 11							
1-Naphthylamine	2016-03	ug/L					< 10.9			< 11.2							
1-Naphthylamine	2016-06	ug/L															
1-Naphthylamine	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
1-Naphthylamine	2023-01	ug/L															
1-Naphthylamine	2023-03	ug/L					< 10			< 10							
1-Naphthylamine	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2,2-Dichloropropane	2008-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane	2009-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
2,2-Dichloropropane	2009-07	ug/L	< 4	< 4.00		< 4		< 4	< 4	< 4	< 4	< 4	< 4.00	< 4.00	< 4	< 4	< 4	
2,2-Dichloropropane	2009-09	ug/L	< 4	< 4.00		< 4.00		< 4.00	< 4.00	< 20.0	< 4.00	< 4	< 4	< 4	< 4	< 4	< 4	
2,2-Dichloropropane	2010-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
2,2-Dichloropropane	2010-09	ug/L	< 4.00	< 4.00	< 4.00			< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		< 4.00	< 4.00	< 4.00	< 4.00	
2,2-Dichloropropane	2011-03	ug/L	< 4.00	< 4.00	< 4.00			< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	
2,2-Dichloropropane	2012-09	ug/L														< 4.00		
2,2-Dichloropropane	2015-09	ug/L	< 4	< 4			< 4	< 4			< 4	< 4	< 4	< 4		< 4	< 4	
2,2-Dichloropropane	2015-10	ug/L							< 4	< 4					< 4			< 4
2,2-Dichloropropane	2016-03	ug/L			< 4	< 4												
2,2-Dichloropropane	2016-06	ug/L			< 4	< 4												
2,2-Dichloropropane	2020-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	**2.09 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
2,2-Dichloropropane	2023-01	ug/L															< 4	
2,2-Dichloropropane	2023-03	ug/L															< 4	
2,2-Dichloropropane	2025-08	ug/L	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		< 4
2,2'-oxybis(1-Chloropropane)	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
2,2'-oxybis(1-Chloropropane)	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,2'-oxybis(1-Chloropropane)	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2,2'-oxybis(1-Chloropropane)	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
2,2'-oxybis(1-Chloropropane)	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
2,2'-oxybis(1-Chloropropane)	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2,2'-oxybis(1-Chloropropane)	2011-03	ug/L	< 10.0 UJ	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
2,2'-oxybis(1-Chloropropane)	2012-03	ug/L																
2,2'-oxybis(1-Chloropropane)	2012-09	ug/L																
2,2'-oxybis(1-Chloropropane)	2013-03	ug/L																
2,2'-oxybis(1-Chloropropane)	2014-03	ug/L																
2,2'-oxybis(1-Chloropropane)	2014-09	ug/L																
2,2'-oxybis(1-Chloropropane)	2015-03	ug/L																
2,2'-oxybis(1-Chloropropane)	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
2,2'-oxybis(1-Chloropropane)	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2,2'-oxybis(1-Chloropropane)	2016-03	ug/L			< 11.1	< 11.2												
2,2'-oxybis(1-Chloropropane)	2016-06	ug/L			< 11.4	< 11.4												
2,2'-oxybis(1-Chloropropane)	2017-03	ug/L																
2,2'-oxybis(1-Chloropropane)	2017-08	ug/L																
2,2'-oxybis(1-Chloropropane)	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2,2'-oxybis(1-Chloropropane)	2022-08	ug/L																
2,2'-oxybis(1-Chloropropane)	2023-01	ug/L															< 10.9	
2,2'-oxybis(1-Chloropropane)	2023-03	ug/L															< 10.4	
2,2'-oxybis(1-Chloropropane)	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2,3,4,6-Tetrachlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
2,3,4,6-Tetrachlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,3,4,6-Tetrachlorophenol	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2,3,4,6-Tetrachlorophenol	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
2,3,4,6-Tetrachlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
2,3,4,6-Tetrachlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2,3,4,6-Tetrachlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
2,3,4,6-Tetrachlorophenol	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
2,3,4,6-Tetrachlorophenol	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2,3,4,6-Tetrachlorophenol	2016-03	ug/L			< 11.1	< 11.2												
2,3,4,6-Tetrachlorophenol	2016-06	ug/L			< 11.4	< 11.4												
2,3,4,6-Tetrachlorophenol	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2,3,4,6-Tetrachlorophenol	2023-01	ug/L															< 10.9	
2,3,4,6-Tetrachlorophenol	2023-03	ug/L															< 10.4	
2,3,4,6-Tetrachlorophenol	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2,4,5-T	2008-08	ug/L	< 0.1			< 0.11	< 0.11	< 0.11	< 0.11	< 0.1	< 0.11	< 0.52	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1
2,4,5-T	2008-09	ug/L		< 0.1	< 0.1												< 0.1	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
2,2-Dichloropropane	2009-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4								
2,2-Dichloropropane	2009-07	ug/L	< 4.00	< 4	< 4	< 4	< 4.00										
2,2-Dichloropropane	2009-09	ug/L	< 4.00	< 20.0	< 4.00	< 4.00	< 4.00										
2,2-Dichloropropane	2010-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00								
2,2-Dichloropropane	2010-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00										
2,2-Dichloropropane	2011-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00									
2,2-Dichloropropane	2012-09	ug/L				< 4.00											
2,2-Dichloropropane	2015-09	ug/L		< 4		< 4	< 4	< 4	< 4								
2,2-Dichloropropane	2015-10	ug/L	< 4		< 4					< 4							
2,2-Dichloropropane	2016-03	ug/L					< 4			< 4							
2,2-Dichloropropane	2016-06	ug/L															
2,2-Dichloropropane	2020-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4							
2,2-Dichloropropane	2023-01	ug/L															
2,2-Dichloropropane	2023-03	ug/L					< 4			< 4							
2,2-Dichloropropane	2025-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4							
2,2'-oxybis(1-Chloropropane)	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
2,2'-oxybis(1-Chloropropane)	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2,2'-oxybis(1-Chloropropane)	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2,2'-oxybis(1-Chloropropane)	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,2'-oxybis(1-Chloropropane)	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,2'-oxybis(1-Chloropropane)	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
2,2'-oxybis(1-Chloropropane)	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
2,2'-oxybis(1-Chloropropane)	2012-03	ug/L					< 10.0										
2,2'-oxybis(1-Chloropropane)	2012-09	ug/L					< 10.0										
2,2'-oxybis(1-Chloropropane)	2013-03	ug/L					< 11.8										
2,2'-oxybis(1-Chloropropane)	2014-03	ug/L					< 11.2										
2,2'-oxybis(1-Chloropropane)	2014-09	ug/L					< 11										
2,2'-oxybis(1-Chloropropane)	2015-03	ug/L					< 11										
2,2'-oxybis(1-Chloropropane)	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2,2'-oxybis(1-Chloropropane)	2015-10	ug/L	< 11.8		< 10.3					< 11							
2,2'-oxybis(1-Chloropropane)	2016-03	ug/L					< 10.9			< 11.2							
2,2'-oxybis(1-Chloropropane)	2016-06	ug/L															
2,2'-oxybis(1-Chloropropane)	2017-03	ug/L					< 10.5			< 10.9							
2,2'-oxybis(1-Chloropropane)	2017-08	ug/L					< 10.6			< 10.4							
2,2'-oxybis(1-Chloropropane)	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2,2'-oxybis(1-Chloropropane)	2022-08	ug/L					< 10.4			< 10							
2,2'-oxybis(1-Chloropropane)	2023-01	ug/L															
2,2'-oxybis(1-Chloropropane)	2023-03	ug/L					< 10			< 10							
2,2'-oxybis(1-Chloropropane)	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2,3,4,6-Tetrachlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
2,3,4,6-Tetrachlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2,3,4,6-Tetrachlorophenol	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2,3,4,6-Tetrachlorophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,3,4,6-Tetrachlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,3,4,6-Tetrachlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
2,3,4,6-Tetrachlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
2,3,4,6-Tetrachlorophenol	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2,3,4,6-Tetrachlorophenol	2015-10	ug/L	< 11.8		< 10.3					< 11							
2,3,4,6-Tetrachlorophenol	2016-03	ug/L					< 10.9			< 11.2							
2,3,4,6-Tetrachlorophenol	2016-06	ug/L															
2,3,4,6-Tetrachlorophenol	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2,3,4,6-Tetrachlorophenol	2023-01	ug/L															
2,3,4,6-Tetrachlorophenol	2023-03	ug/L					< 10			< 10							
2,3,4,6-Tetrachlorophenol	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2,4,5-T	2008-08	ug/L		< 0.1	< 1	< 0.11											
2,4,5-T	2008-09	ug/L	< 0.1				< 0.099	< 0.1	< 0.1								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4,5-T	2009-03	ug/L	< 0.21	< 0.22	< 0.2	< 0.21	< 0.2	< 0.21	< 0.21	< 0.21	< 0.21	< 0.22	< 0.21	< 0.22	< 0.2	< 0.23	< 0.21	< 0.21
2,4,5-T	2009-07	ug/L					< 0.22			< 0.21	< 0.22	< 0.21	< 0.21	< 0.20				
2,4,5-T	2009-09	ug/L					< 0.22			< 0.21	< 0.21	< 0.2	< 0.2	< 0.2				
2,4,5-T	2010-03	ug/L					< 0.50			< 0.54	< 0.53	< 0.56	< 0.53	< 0.54				
2,4,5-T	2010-09	ug/L	< 0.51	< 0.52	< 0.53			< 0.52	< 0.52	< 0.52	< 0.53	< 0.53		< 0.53	< 0.52	< 0.54	< 0.62	
2,4,5-T	2011-03	ug/L								< 0.53	< 0.52	< 0.53	< 0.51					
2,4,5-T	2015-09	ug/L	< 1.24	< 1.19			< 1.15	< 1.23			< 1.04	< 1.2	< 1.2	< 1.23		< 1.23	**0.723 J**	
2,4,5-T	2015-10	ug/L							< 1.2	< 1.09					< 1.25			< 1.23
2,4,5-T	2016-03	ug/L			< 1.16	< 1.15												
2,4,5-T	2016-06	ug/L			< 1.24	< 1.19												
2,4,5-T	2019-08	ug/L					< 1.19											
2,4,5-T	2020-08	ug/L	< 0.151	< 0.153	< 0.149	< 0.154	< 0.158	< 0.143	< 0.153	< 0.149	< 0.147	< 0.145	< 0.15	< 0.147	< 0.149	< 0.162	< 0.161	< 0.151
2,4,5-T	2023-01	ug/L															< 1.15	
2,4,5-T	2023-03	ug/L															< 0.5	
2,4,5-T	2025-08	ug/L	< 1.03	< 1.04	< 1.09	< 1.06	< 1.06		< 0.953	< 1.08	< 0.959	< 1.08	< 1.08	< 1.01	< 1.02	< 1.11		< 1.02
2,4,5-TP (Silvex)	2008-08	ug/L	< 0.1			< 0.11	< 0.11	< 0.11	< 0.11	< 0.1	< 0.11	< 0.52	< 0.1	**0.11**	< 0.1	< 0.1		< 0.1
2,4,5-TP (Silvex)	2008-09	ug/L		< 0.1	< 0.1												< 0.1	
2,4,5-TP (Silvex)	2009-03	ug/L	< 0.21	< 0.22	< 0.2	< 0.21	**0.21**	< 0.21	< 0.21	**0.65**	**0.23**	**0.25**	**0.11 J**	< 0.22	< 0.2	< 0.23	< 0.21	< 0.21
2,4,5-TP (Silvex)	2009-07	ug/L					< 0.22			**0.52**	< 0.22	< 0.21	< 0.21	< 0.20				
2,4,5-TP (Silvex)	2009-09	ug/L					< 0.22			**0.33**	< 0.21	< 0.2	< 0.2	< 0.2				
2,4,5-TP (Silvex)	2010-03	ug/L					< 0.50			**0.69**	< 0.53	< 0.56	< 0.53	< 0.54				
2,4,5-TP (Silvex)	2010-09	ug/L	< 0.51	< 0.52	< 0.53			< 0.52	< 0.52	< 0.52	< 0.53	< 0.53		< 0.53	< 0.52	< 0.54	< 0.62	
2,4,5-TP (Silvex)	2011-03	ug/L								**0.37 J**	< 0.52	< 0.53	< 0.51					
2,4,5-TP (Silvex)	2011-09	ug/L								< 1.0	< 1.1	< 1.0	< 1.1	< 1.1				
2,4,5-TP (Silvex)	2012-03	ug/L					< 1.0			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0				
2,4,5-TP (Silvex)	2012-09	ug/L					< 1.0			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0				
2,4,5-TP (Silvex)	2013-03	ug/L					< 1.09			< 1.05	< 1.06	< 1.11	< 1.1	< 1.15				
2,4,5-TP (Silvex)	2013-09	ug/L					< 1.11			< 1.14	< 1.11	< 1.05	< 1.10	< 1.22				
2,4,5-TP (Silvex)	2014-03	ug/L					< 1.09			< 1.08	**0.396 J**	< 1.09		< 1.04				
2,4,5-TP (Silvex)	2014-09	ug/L					< 1.04			< 1.06	< 1.04	< 1.07		< 1.04				
2,4,5-TP (Silvex)	2015-03	ug/L					< 1.15			< 1.12	< 1.19	< 1.15		< 1.13				
2,4,5-TP (Silvex)	2015-09	ug/L	< 1.24	< 1.19			< 1.15	< 1.23			< 1.04	< 1.2	< 1.2	< 1.23		< 1.23	< 1.21	
2,4,5-TP (Silvex)	2015-10	ug/L							< 1.2	< 1.09					< 1.25			< 1.23
2,4,5-TP (Silvex)	2016-03	ug/L			< 1.16	< 1.15	< 1.12			< 1.12	< 0.981	< 1.06		< 1.09				
2,4,5-TP (Silvex)	2016-06	ug/L			< 1.24	< 1.19												
2,4,5-TP (Silvex)	2016-08	ug/L					< 1.16			< 1.01	< 1.2	< 1.21		< 1.16				
2,4,5-TP (Silvex)	2017-03	ug/L					< 1.11			< 1.2	< 1.17	< 1.07		< 1.14				
2,4,5-TP (Silvex)	2017-08	ug/L					< 1.19			< 1.08	< 1.2	< 1.12		< 1.2				
2,4,5-TP (Silvex)	2018-03	ug/L					< 1.14			< 1.21	< 1.07	< 1.1		< 1.2				
2,4,5-TP (Silvex)	2018-08	ug/L								< 1.12	< 1.16	< 1.2						
2,4,5-TP (Silvex)	2018-09	ug/L					< 1.21							< 1.16				
2,4,5-TP (Silvex)	2019-03	ug/L					< 1.04			< 1.1	< 1.21	< 1.21		< 1.16				
2,4,5-TP (Silvex)	2019-08	ug/L					< 1.19			**0.363 J**	< 1.26	< 1.29		< 1.15				
2,4,5-TP (Silvex)	2020-03	ug/L								< 1.2	< 1.05	< 1.24		< 1.25				
2,4,5-TP (Silvex)	2020-04	ug/L					< 1.18											
2,4,5-TP (Silvex)	2020-08	ug/L	< 0.151	< 0.153	< 0.149	< 0.154	< 0.158	< 0.143	< 0.153	< 0.149	< 0.147	< 0.145	< 0.15	< 0.147	< 0.149	< 0.162	**0.0966 J**	< 0.151
2,4,5-TP (Silvex)	2021-03	ug/L								< 0.145	< 0.147							
2,4,5-TP (Silvex)	2021-08	ug/L					< 1.14			< 1.09	< 1.14	< 1.16		**0.387 J**				
2,4,5-TP (Silvex)	2022-03	ug/L								< 1.11	< 1.1	< 1.06						
2,4,5-TP (Silvex)	2022-08	ug/L					< 0.5			< 1.13	< 0.5	< 0.5		< 1.12				
2,4,5-TP (Silvex)	2023-01	ug/L															< 1.15	
2,4,5-TP (Silvex)	2023-03	ug/L								< 0.5	< 0.5	< 0.5					< 0.5	
2,4,5-TP (Silvex)	2023-08	ug/L					< 1.01			< 1.09	< 1.16	< 1.01		< 1.14				
2,4,5-TP (Silvex)	2024-03	ug/L								< 0.881	< 0.911	< 0.887						
2,4,5-TP (Silvex)	2024-08	ug/L					< 1.06			< 1.12	< 1.07	< 1.1		< 1.01				
2,4,5-TP (Silvex)	2025-03	ug/L								< 0.0532 UJ	< 0.0538	< 0.0534						

Table 14

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
2,4,5-T	2009-03	ug/L	< 0.21	< 0.22	< 0.22	< 0.21	< 0.2	< 0.21	< 0.21								
2,4,5-T	2009-07	ug/L		< 0.22			< 0.21										
2,4,5-T	2009-09	ug/L		< 0.22			< 0.20										
2,4,5-T	2010-03	ug/L		< 0.50			< 0.53										
2,4,5-T	2010-09	ug/L	< 0.52	< 0.51	< 0.53	< 0.53	< 0.53										
2,4,5-T	2011-03	ug/L		< 0.53			< 0.50										
2,4,5-T	2015-09	ug/L		< 1.08		< 1.22	< 1.09	< 1.12	< 1.09								
2,4,5-T	2015-10	ug/L	< 1.26		< 1.14					< 1.21							
2,4,5-T	2016-03	ug/L					< 1.1			< 0.944							
2,4,5-T	2016-06	ug/L															
2,4,5-T	2019-08	ug/L		< 1.27													
2,4,5-T	2020-08	ug/L	< 0.167	< 0.149	< 0.15	< 0.168	< 0.171	< 0.153	< 0.144	< 0.14							
2,4,5-T	2023-01	ug/L															
2,4,5-T	2023-03	ug/L					< 0.5			< 0.5							
2,4,5-T	2025-08	ug/L	< 1.08	< 0.96	< 0.955	< 1.09	< 0.987	< 1.11	< 1.13	< 1.02							
2,4,5-TP (Silvex)	2008-08	ug/L		< 0.1	< 1	< 0.11											
2,4,5-TP (Silvex)	2008-09	ug/L	< 0.1				< 0.099	< 0.1	< 0.1								
2,4,5-TP (Silvex)	2009-03	ug/L	< 0.21	**0.34**	< 0.22	< 0.21	< 0.2	< 0.21	< 0.21								
2,4,5-TP (Silvex)	2009-07	ug/L		< 0.22			< 0.21										
2,4,5-TP (Silvex)	2009-09	ug/L		< 0.22			< 0.20										
2,4,5-TP (Silvex)	2010-03	ug/L		< 0.50			< 0.53										
2,4,5-TP (Silvex)	2010-09	ug/L	< 0.52	< 0.51	< 0.53	< 0.53	< 0.53										
2,4,5-TP (Silvex)	2011-03	ug/L		< 0.53			< 0.50										
2,4,5-TP (Silvex)	2011-09	ug/L		< 1.0			< 1.1										
2,4,5-TP (Silvex)	2012-03	ug/L		< 1.0			< 1.0										
2,4,5-TP (Silvex)	2012-09	ug/L		< 1.0													
2,4,5-TP (Silvex)	2013-03	ug/L		< 1.09			< 1.07										
2,4,5-TP (Silvex)	2013-09	ug/L		< 1.03													
2,4,5-TP (Silvex)	2014-03	ug/L		< 1.04			< 1.07										
2,4,5-TP (Silvex)	2014-09	ug/L		< 1.06			< 1.07										
2,4,5-TP (Silvex)	2015-03	ug/L		< 1.10			< 1.17										
2,4,5-TP (Silvex)	2015-09	ug/L		< 1.08		< 1.22	< 1.09	< 1.12	< 1.09								
2,4,5-TP (Silvex)	2015-10	ug/L	< 1.26		< 1.14					< 1.21							
2,4,5-TP (Silvex)	2016-03	ug/L		< 1.06			< 1.1			< 0.944							
2,4,5-TP (Silvex)	2016-06	ug/L															
2,4,5-TP (Silvex)	2016-08	ug/L		< 1.2			< 1.19			< 1.13							
2,4,5-TP (Silvex)	2017-03	ug/L		< 1.25			< 1.25			< 1.13							
2,4,5-TP (Silvex)	2017-08	ug/L		< 1.1			< 1.21			< 1.1							
2,4,5-TP (Silvex)	2018-03	ug/L		< 1.15			< 1.42			< 1.18							
2,4,5-TP (Silvex)	2018-08	ug/L		< 1.25			< 1.39			< 1.17							
2,4,5-TP (Silvex)	2018-09	ug/L															
2,4,5-TP (Silvex)	2019-03	ug/L		< 1.19			< 1.36			< 1.13							
2,4,5-TP (Silvex)	2019-08	ug/L		< 1.27			< 1.19			< 1.2							
2,4,5-TP (Silvex)	2020-03	ug/L		< 1.17			< 1.45			< 1.27							
2,4,5-TP (Silvex)	2020-04	ug/L															
2,4,5-TP (Silvex)	2020-08	ug/L	< 0.167	< 0.149	< 0.15	< 0.168	< 0.171	< 0.153	< 0.144	< 0.14							
2,4,5-TP (Silvex)	2021-03	ug/L		< 0.161			< 0.16 J			< 0.152							
2,4,5-TP (Silvex)	2021-08	ug/L		< 1.12			< 1.29			< 1.17							
2,4,5-TP (Silvex)	2022-03	ug/L		< 1.12 J			< 1.1 J			< 1.02 J							
2,4,5-TP (Silvex)	2022-08	ug/L		< 0.5			< 1.16			< 1.11							
2,4,5-TP (Silvex)	2023-01	ug/L															
2,4,5-TP (Silvex)	2023-03	ug/L		< 0.5			< 0.5			< 0.5							
2,4,5-TP (Silvex)	2023-08	ug/L		< 0.979			< 1.11			< 1.01							
2,4,5-TP (Silvex)	2024-03	ug/L		< 0.889			< 0.863			< 0.918							
2,4,5-TP (Silvex)	2024-08	ug/L		< 0.993			< 1.02			< 1.04							
2,4,5-TP (Silvex)	2025-03	ug/L		< 0.0539 UJ			< 0.0642			< 0.0523							

Table 14

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4,5-TP (Silvex)	2025-08	ug/L	< 1.03	< 1.04	< 1.09	< 1.06	< 1.06		< 0.953	< 1.08	< 0.959	< 1.08	< 1.08	< 1.01	< 1.02	< 1.11		< 1.02
2,4,5-Trichlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
2,4,5-Trichlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,5-Trichlorophenol	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2,4,5-Trichlorophenol	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
2,4,5-Trichlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
2,4,5-Trichlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2,4,5-Trichlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
2,4,5-Trichlorophenol	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
2,4,5-Trichlorophenol	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2,4,5-Trichlorophenol	2016-03	ug/L			< 11.1	< 11.2												
2,4,5-Trichlorophenol	2016-06	ug/L			< 11.4	< 11.4												
2,4,5-Trichlorophenol	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2,4,5-Trichlorophenol	2023-01	ug/L															< 10.9	
2,4,5-Trichlorophenol	2023-03	ug/L															< 10.4	
2,4,5-Trichlorophenol	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2,4,6-Trichlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
2,4,6-Trichlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,6-Trichlorophenol	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2,4,6-Trichlorophenol	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
2,4,6-Trichlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
2,4,6-Trichlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2,4,6-Trichlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
2,4,6-Trichlorophenol	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
2,4,6-Trichlorophenol	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2,4,6-Trichlorophenol	2016-03	ug/L			< 11.1	< 11.2												
2,4,6-Trichlorophenol	2016-06	ug/L			< 11.4	< 11.4												
2,4,6-Trichlorophenol	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2,4,6-Trichlorophenol	2023-01	ug/L															< 10.9	
2,4,6-Trichlorophenol	2023-03	ug/L															< 10.4	
2,4,6-Trichlorophenol	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2,4-D	2008-08	ug/L	< 1			< 1.1	< 1.1	< 1.1	< 1.1	< 1	< 1.1	< 5.2	< 1	< 1	< 1	< 1		< 1
2,4-D	2008-09	ug/L		< 1	< 1												< 1	
2,4-D	2009-03	ug/L	< 1.1	< 1.1	< 1	< 1.1	< 0.99	< 1.1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1	< 1.1	< 1.1	< 1.1
2,4-D	2009-07	ug/L					< 1.1			< 1	< 1.1	< 1	< 1.1	< 1.0				
2,4-D	2009-09	ug/L					< 1.1			< 1.0	< 1.0	< 1	< 0.99	< 0.99				
2,4-D	2010-03	ug/L					< 1.0			< 1.1	< 1.1	< 1.1	< 1.1	< 1.1				
2,4-D	2010-09	ug/L	< 1.0	< 1.0	< 1.1			< 1.0	< 1.0	< 1.0	< 1.1	< 1.1		< 1.1	< 1.0	< 1.1	< 1.2	
2,4-D	2011-03	ug/L								< 1.1	< 1.0	< 1.1	< 1.0					
2,4-D	2015-09	ug/L	< 1.24	< 1.19			< 1.15	< 1.23			< 1.04	< 1.2	< 1.2	< 1.23		< 1.23	< 1.21	
2,4-D	2015-10	ug/L							< 1.2	< 1.09					< 1.25			< 1.23
2,4-D	2016-03	ug/L			< 1.16	< 1.15												
2,4-D	2016-06	ug/L			< 1.24	< 1.19												
2,4-D	2019-08	ug/L					< 1.19											
2,4-D	2020-08	ug/L	< 0.302	< 0.307	< 0.298	< 0.308	< 0.316	< 0.287	< 0.306	< 0.297	< 0.293	< 0.29	< 0.299	< 0.294	< 0.297	**0.488**	< 0.323	< 0.302
2,4-D	2020-12	ug/L														< 0.0204		
2,4-D	2020-12	ug/L														< 0.275		
2,4-D	2021-03	ug/L														< 0.297 J		
2,4-D	2021-08	ug/L														< 1.08		
2,4-D	2022-08	ug/L														< 2		
2,4-D	2023-01	ug/L															< 1.15	
2,4-D	2023-03	ug/L															< 2	
2,4-D	2023-08	ug/L														< 1.06		
2,4-D	2024-08	ug/L														< 1.11		
2,4-D	2025-08	ug/L	< 1.03	< 1.04	< 1.09	< 1.06	< 1.06		< 0.953	< 1.08	< 0.959	< 1.08	< 1.08	< 1.01	< 1.02	< 1.11		< 1.02
2,4-Dichlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10

Table 14

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Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
2,4,5-TP (Silvex)	2025-08	ug/L	< 1.08	< 0.96	< 0.955	< 1.09	< 0.987	< 1.11	< 1.13	< 1.02							
2,4,5-Trichlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
2,4,5-Trichlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2,4,5-Trichlorophenol	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2,4,5-Trichlorophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,4,5-Trichlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,4,5-Trichlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
2,4,5-Trichlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
2,4,5-Trichlorophenol	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2,4,5-Trichlorophenol	2015-10	ug/L	< 11.8		< 10.3					< 11							
2,4,5-Trichlorophenol	2016-03	ug/L					< 10.9			< 11.2							
2,4,5-Trichlorophenol	2016-06	ug/L															
2,4,5-Trichlorophenol	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2,4,5-Trichlorophenol	2023-01	ug/L															
2,4,5-Trichlorophenol	2023-03	ug/L					< 10			< 10							
2,4,5-Trichlorophenol	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2,4,6-Trichlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
2,4,6-Trichlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2,4,6-Trichlorophenol	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2,4,6-Trichlorophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,4,6-Trichlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,4,6-Trichlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
2,4,6-Trichlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
2,4,6-Trichlorophenol	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2,4,6-Trichlorophenol	2015-10	ug/L	< 11.8		< 10.3					< 11							
2,4,6-Trichlorophenol	2016-03	ug/L					< 10.9			< 11.2							
2,4,6-Trichlorophenol	2016-06	ug/L															
2,4,6-Trichlorophenol	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2,4,6-Trichlorophenol	2023-01	ug/L															
2,4,6-Trichlorophenol	2023-03	ug/L					< 10			< 10							
2,4,6-Trichlorophenol	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2,4-D	2008-08	ug/L		< 1	< 10	< 1.1											
2,4-D	2008-09	ug/L	< 1				< 0.99	< 1	< 1								
2,4-D	2009-03	ug/L	< 1	< 1.1	< 1.1	< 1.1	< 1	< 1.1	< 1								
2,4-D	2009-07	ug/L		< 1.1			< 1.1										
2,4-D	2009-09	ug/L		< 1.1			< 1.0										
2,4-D	2010-03	ug/L		< 1.0			< 1.1										
2,4-D	2010-09	ug/L	< 1.0	< 1.0	< 1.1	< 1.1	< 1.1										
2,4-D	2011-03	ug/L		< 1.1			< 1.0										
2,4-D	2015-09	ug/L		< 1.08		< 1.22	< 1.09	< 1.12	< 1.09								
2,4-D	2015-10	ug/L	< 1.26		< 1.14					< 1.21							
2,4-D	2016-03	ug/L					< 1.1			< 0.944							
2,4-D	2016-06	ug/L															
2,4-D	2019-08	ug/L		< 1.27													
2,4-D	2020-08	ug/L	< 0.334	< 0.298	< 0.301	< 0.335	< 0.342	< 0.306	< 0.288	< 0.281							
2,4-D	2020-12	ug/L															
2,4-D	2020-12	ug/L															
2,4-D	2021-03	ug/L					< 0.319 J			< 0.303							
2,4-D	2021-08	ug/L					< 1.29			< 1.17							
2,4-D	2022-08	ug/L					< 1.16			< 1.11							
2,4-D	2023-01	ug/L															
2,4-D	2023-03	ug/L					< 2			< 2							
2,4-D	2023-08	ug/L					< 1.11			< 1.01							
2,4-D	2024-08	ug/L					< 1.02			< 1.04							
2,4-D	2025-08	ug/L	< 1.08	< 0.96	< 0.955	< 1.09	< 0.987	< 1.11	< 1.13	< 1.02							
2,4-Dichlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-Dichlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dichlorophenol	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2,4-Dichlorophenol	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
2,4-Dichlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		**0.191 J**			< 10.0		< 10.0	**0.219 J**	< 10.0	< 11.2
2,4-Dichlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	**0.304 J**	< 10.0	< 10.0		< 10.0	< 10.0	**0.179 J**	< 10.0	
2,4-Dichlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	**0.157 J**	< 10.0	
2,4-Dichlorophenol	2011-09	ug/L								**0.248 J**						< 10.0		
2,4-Dichlorophenol	2012-03	ug/L								< 10.0						< 10.0		
2,4-Dichlorophenol	2012-09	ug/L								**0.310 J**						**0.216 J**		
2,4-Dichlorophenol	2013-03	ug/L								**0.18 J**						**0.255 J**		
2,4-Dichlorophenol	2013-09	ug/L								**0.247 J**						< 11.2		
2,4-Dichlorophenol	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
2,4-Dichlorophenol	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2,4-Dichlorophenol	2016-03	ug/L			< 11.1	< 11.2												
2,4-Dichlorophenol	2016-06	ug/L			< 11.4	< 11.4												
2,4-Dichlorophenol	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2,4-Dichlorophenol	2023-01	ug/L															< 10.9	
2,4-Dichlorophenol	2023-03	ug/L															< 10.4	
2,4-Dichlorophenol	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2,4-Dimethylphenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
2,4-Dimethylphenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2,4-Dimethylphenol	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
2,4-Dimethylphenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
2,4-Dimethylphenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2,4-Dimethylphenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
2,4-Dimethylphenol	2011-09	ug/L																
2,4-Dimethylphenol	2012-03	ug/L																
2,4-Dimethylphenol	2012-09	ug/L																
2,4-Dimethylphenol	2013-03	ug/L																
2,4-Dimethylphenol	2013-09	ug/L																
2,4-Dimethylphenol	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
2,4-Dimethylphenol	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2,4-Dimethylphenol	2016-03	ug/L			< 11.1	< 11.2												
2,4-Dimethylphenol	2016-06	ug/L			< 11.4	< 11.4												
2,4-Dimethylphenol	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2,4-Dimethylphenol	2023-01	ug/L															< 10.9	
2,4-Dimethylphenol	2023-03	ug/L															< 10.4	
2,4-Dimethylphenol	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2,4-Dinitrophenol	2008-08	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 22.2	< 20	< 20	< 20	< 20	< 20	< 22.2	< 20
2,4-Dinitrophenol	2009-03	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrophenol	2009-07	ug/L	< 20	< 20.0	< 20.0	< 20		< 20		< 20			< 20.0		< 20	< 20	< 20	< 20
2,4-Dinitrophenol	2009-09	ug/L	< 20	< 20.0	< 20.0	< 20.0		< 20.0		< 20.0			< 20		< 20	< 22.5	< 20	< 20
2,4-Dinitrophenol	2010-03	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0		< 20.0			< 20.0		< 20.0	< 20.0	< 20.0	< 22.5
2,4-Dinitrophenol	2010-09	ug/L	< 20.0	< 20.0	< 20.0			< 20.0	< 20.0	< 20.0	< 20.0	< 20.0		< 20.0	< 20.0	< 20.0	< 20.0	
2,4-Dinitrophenol	2011-03	ug/L	< 20.0	< 20.0	< 20.0			< 20.0		< 20.0	< 20.0	< 20.0	< 20.0		< 20.0	< 20.0	< 20.0	
2,4-Dinitrophenol	2015-09	ug/L	< 22.7	< 22.2			< 22.2	< 23.3			< 21.7	< 22.2	< 21.7	< 22.5		< 22.7	< 21.1	
2,4-Dinitrophenol	2015-10	ug/L							< 20.8	< 21.1					< 23.5			< 23.5
2,4-Dinitrophenol	2016-03	ug/L			< 22.2	< 22.5												
2,4-Dinitrophenol	2016-06	ug/L			< 22.7	< 22.7												
2,4-Dinitrophenol	2020-08	ug/L	< 23.5	< 23.3	< 24.4	< 23.5	< 23.5	< 23.5	< 23	< 21.7	< 22.7	< 23.5	< 23.3	< 22.2	< 23.8	< 23.3	< 23.8	< 23.3
2,4-Dinitrophenol	2023-01	ug/L															< 21.7	
2,4-Dinitrophenol	2023-03	ug/L															< 20.8	
2,4-Dinitrophenol	2025-08	ug/L	< 20.8	< 21.3	< 21.7	< 19.6	< 20		< 20	< 21.7	< 19.2	< 21.3	< 20.8	< 20.8	< 18.9	< 20.4		< 20.4
2,4-Dinitrotoluene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
2,4-Dinitrotoluene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
2,4-Dichlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2,4-Dichlorophenol	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2,4-Dichlorophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,4-Dichlorophenol	2010-03	ug/L	< 10.0	< 10.0	**0.169 J**	< 10.0	< 10.0	< 10.0	< 10.0								
2,4-Dichlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
2,4-Dichlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
2,4-Dichlorophenol	2011-09	ug/L			< 10.0		< 10.0										
2,4-Dichlorophenol	2012-03	ug/L			< 10.0		< 10.0										
2,4-Dichlorophenol	2012-09	ug/L			< 10.0		< 10.0										
2,4-Dichlorophenol	2013-03	ug/L			< 10.6		< 11.8										
2,4-Dichlorophenol	2013-09	ug/L			< 11.0												
2,4-Dichlorophenol	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2,4-Dichlorophenol	2015-10	ug/L	< 11.8		< 10.3					< 11							
2,4-Dichlorophenol	2016-03	ug/L					< 10.9			< 11.2							
2,4-Dichlorophenol	2016-06	ug/L															
2,4-Dichlorophenol	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2,4-Dichlorophenol	2023-01	ug/L															
2,4-Dichlorophenol	2023-03	ug/L					< 10			< 10							
2,4-Dichlorophenol	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2,4-Dimethylphenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
2,4-Dimethylphenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2,4-Dimethylphenol	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2,4-Dimethylphenol	2009-09	ug/L	< 10.0	**0.489 J**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,4-Dimethylphenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,4-Dimethylphenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
2,4-Dimethylphenol	2011-03	ug/L	< 10.0	**0.296 J**	< 10.0	< 10.0	< 10.0	< 10.0									
2,4-Dimethylphenol	2011-09	ug/L		**0.317 J**			< 10.0										
2,4-Dimethylphenol	2012-03	ug/L		< 10.0			< 10.0										
2,4-Dimethylphenol	2012-09	ug/L		< 10.0			< 10.0										
2,4-Dimethylphenol	2013-03	ug/L		< 10.5			< 11.8										
2,4-Dimethylphenol	2013-09	ug/L		**0.239 J**													
2,4-Dimethylphenol	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2,4-Dimethylphenol	2015-10	ug/L	< 11.8		< 10.3					< 11							
2,4-Dimethylphenol	2016-03	ug/L					< 10.9			< 11.2							
2,4-Dimethylphenol	2016-06	ug/L															
2,4-Dimethylphenol	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2,4-Dimethylphenol	2023-01	ug/L															
2,4-Dimethylphenol	2023-03	ug/L					< 10			< 10							
2,4-Dimethylphenol	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2,4-Dinitrophenol	2008-08	ug/L	< 20	< 20	< 20	< 20	< 20	< 22.2	< 20								
2,4-Dinitrophenol	2009-03	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20								
2,4-Dinitrophenol	2009-07	ug/L	< 20.0	< 20	< 20	< 20	< 20.0	< 22.7	< 20.0								
2,4-Dinitrophenol	2009-09	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0								
2,4-Dinitrophenol	2010-03	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0								
2,4-Dinitrophenol	2010-09	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0										
2,4-Dinitrophenol	2011-03	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0									
2,4-Dinitrophenol	2015-09	ug/L		< 22		< 22.5	< 23.3	< 22.5	< 22.5								
2,4-Dinitrophenol	2015-10	ug/L	< 23.5		< 20.6					< 22							
2,4-Dinitrophenol	2016-03	ug/L					< 21.7			< 22.5							
2,4-Dinitrophenol	2016-06	ug/L															
2,4-Dinitrophenol	2020-08	ug/L	< 23.8	< 23.5	< 21.1	< 22	< 27	< 23.5	< 22.2	< 22.2							
2,4-Dinitrophenol	2023-01	ug/L															
2,4-Dinitrophenol	2023-03	ug/L					< 20			< 20							
2,4-Dinitrophenol	2025-08	ug/L	< 21.7	< 20	< 19.6	< 20.8	< 20	< 20.8	< 20.8	< 19.6							
2,4-Dinitrotoluene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
2,4-Dinitrotoluene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-Dinitrotoluene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2,4-Dinitrotoluene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
2,4-Dinitrotoluene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
2,4-Dinitrotoluene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2,4-Dinitrotoluene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
2,4-Dinitrotoluene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
2,4-Dinitrotoluene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2,4-Dinitrotoluene	2016-03	ug/L			< 11.1	< 11.2												
2,4-Dinitrotoluene	2016-06	ug/L			< 11.4	< 11.4												
2,4-Dinitrotoluene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2,4-Dinitrotoluene	2023-01	ug/L															< 10.9	
2,4-Dinitrotoluene	2023-03	ug/L															< 10.4	
2,4-Dinitrotoluene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2,6-Dichlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
2,6-Dichlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-Dichlorophenol	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2,6-Dichlorophenol	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
2,6-Dichlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
2,6-Dichlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2,6-Dichlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
2,6-Dichlorophenol	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
2,6-Dichlorophenol	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2,6-Dichlorophenol	2016-03	ug/L			< 11.1	< 11.2												
2,6-Dichlorophenol	2016-06	ug/L			< 11.4	< 11.4												
2,6-Dichlorophenol	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2,6-Dichlorophenol	2023-01	ug/L															< 10.9	
2,6-Dichlorophenol	2023-03	ug/L															< 10.4	
2,6-Dichlorophenol	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2,6-Dinitrotoluene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
2,6-Dinitrotoluene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-Dinitrotoluene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2,6-Dinitrotoluene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
2,6-Dinitrotoluene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
2,6-Dinitrotoluene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2,6-Dinitrotoluene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
2,6-Dinitrotoluene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
2,6-Dinitrotoluene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2,6-Dinitrotoluene	2016-03	ug/L			< 11.1	< 11.2												
2,6-Dinitrotoluene	2016-06	ug/L			< 11.4	< 11.4												
2,6-Dinitrotoluene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2,6-Dinitrotoluene	2023-01	ug/L															< 10.9	
2,6-Dinitrotoluene	2023-03	ug/L															< 10.4	
2,6-Dinitrotoluene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2-Acetylaminofluorene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
2-Acetylaminofluorene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Acetylaminofluorene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2-Acetylaminofluorene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
2-Acetylaminofluorene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
2-Acetylaminofluorene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2-Acetylaminofluorene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
2-Acetylaminofluorene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
2-Acetylaminofluorene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2-Acetylaminofluorene	2016-03	ug/L			< 11.1	< 11.2												
2-Acetylaminofluorene	2016-06	ug/L			< 11.4	< 11.4												
2-Acetylaminofluorene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2-Acetylaminofluorene	2023-01	ug/L															< 10.9	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
2,4-Dinitrotoluene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2,4-Dinitrotoluene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,4-Dinitrotoluene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,4-Dinitrotoluene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
2,4-Dinitrotoluene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
2,4-Dinitrotoluene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2,4-Dinitrotoluene	2015-10	ug/L	< 11.8		< 10.3					< 11							
2,4-Dinitrotoluene	2016-03	ug/L					< 10.9			< 11.2							
2,4-Dinitrotoluene	2016-06	ug/L															
2,4-Dinitrotoluene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2,4-Dinitrotoluene	2023-01	ug/L															
2,4-Dinitrotoluene	2023-03	ug/L					< 10			< 10							
2,4-Dinitrotoluene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2,6-Dichlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
2,6-Dichlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2,6-Dichlorophenol	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2,6-Dichlorophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,6-Dichlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,6-Dichlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
2,6-Dichlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
2,6-Dichlorophenol	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2,6-Dichlorophenol	2015-10	ug/L	< 11.8		< 10.3					< 11							
2,6-Dichlorophenol	2016-03	ug/L					< 10.9			< 11.2							
2,6-Dichlorophenol	2016-06	ug/L															
2,6-Dichlorophenol	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2,6-Dichlorophenol	2023-01	ug/L															
2,6-Dichlorophenol	2023-03	ug/L					< 10			< 10							
2,6-Dichlorophenol	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2,6-Dinitrotoluene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
2,6-Dinitrotoluene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2,6-Dinitrotoluene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2,6-Dinitrotoluene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,6-Dinitrotoluene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2,6-Dinitrotoluene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
2,6-Dinitrotoluene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
2,6-Dinitrotoluene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2,6-Dinitrotoluene	2015-10	ug/L	< 11.8		< 10.3					< 11							
2,6-Dinitrotoluene	2016-03	ug/L					< 10.9			< 11.2							
2,6-Dinitrotoluene	2016-06	ug/L															
2,6-Dinitrotoluene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2,6-Dinitrotoluene	2023-01	ug/L															
2,6-Dinitrotoluene	2023-03	ug/L					< 10			< 10							
2,6-Dinitrotoluene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2-Acetylaminofluorene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
2-Acetylaminofluorene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2-Acetylaminofluorene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2-Acetylaminofluorene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Acetylaminofluorene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Acetylaminofluorene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
2-Acetylaminofluorene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
2-Acetylaminofluorene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2-Acetylaminofluorene	2015-10	ug/L	< 11.8		< 10.3					< 11							
2-Acetylaminofluorene	2016-03	ug/L					< 10.9			< 11.2							
2-Acetylaminofluorene	2016-06	ug/L															
2-Acetylaminofluorene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2-Acetylaminofluorene	2023-01	ug/L															

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Acetylaminofluorene	2023-03	ug/L															< 10.4	
2-Acetylaminofluorene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2-Butanone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**69**	< 10
2-Butanone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2009-07	ug/L	< 10	< 10.0		< 10		< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	
2-Butanone	2009-09	ug/L	< 10	< 10.0		< 10.0		< 10.0	< 10.0	< 50.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	
2-Butanone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Butanone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Butanone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 100	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Butanone	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Butanone	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Butanone	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Butanone	2013-03	ug/L	< 10.0	< 10		< 10.0	< 10.0		< 10	< 10	< 10 J	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10 J
2-Butanone	2013-05	ug/L			< 10.0			< 10.0										
2-Butanone	2013-09	ug/L	< 10.0	< 10.0	**2.30 J**	< 10.0 J	< 10.0 J	**1.80 J**	**9.77 J**	**3.44 J**	**4.44 J**	**1.20 J**	**0.855 J**	**3.31 J**	< 10.0	**1.71 J**	< 10.0	< 10.0
2-Butanone	2013-11	ug/L																
2-Butanone	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Butanone	2014-06	ug/L																
2-Butanone	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**1.43 J**	**4.33 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2015-03	ug/L	< 10	< 10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0 J	< 10.0 J	**2.46 J**	< 10	< 10.0	**1.44 J**	< 10	< 10	< 10	< 10.0
2-Butanone	2015-09	ug/L	< 10	< 10		< 10	< 10	< 10			**4.79 J**	< 10	< 10	**1.61 J**		< 10	< 10	
2-Butanone	2015-10	ug/L			< 10				**4.79 J**	< 10					< 10			< 10
2-Butanone	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**6.29 J**	< 10	< 10	**2.74 J**	< 10	< 10	< 10	< 10
2-Butanone	2016-06	ug/L			< 10	< 10												
2-Butanone	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	**12.3**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	**9.85 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	**5.2 J**	**1.89 J**	**1.56 J**	< 10	< 10	**2.74 J**	< 10	< 10	< 10	< 10
2-Butanone	2017-11	ug/L																
2-Butanone	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	**2.71 J**	**3.08 J**	**2.43 J**	< 10	< 10	**1.19 J**	< 10	**2.41 J**	< 10	< 10
2-Butanone	2018-06	ug/L																
2-Butanone	2018-08	ug/L	< 10	< 10	< 10	< 10		< 10	**3.61 J**	< 10	< 10	< 10			< 10	< 10	< 10	< 10
2-Butanone	2018-09	ug/L					< 10						**2.27 J**	< 10				
2-Butanone	2018-11	ug/L																
2-Butanone	2019-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	**9.62 J**	< 10	**6.25 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**3.76 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2020-03	ug/L	< 10	< 10	< 10			< 10		< 10	< 10	< 10	< 10	**5.84 J**	< 10	< 10	< 10	< 10
2-Butanone	2020-04	ug/L				< 10	< 10		< 10									
2-Butanone	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	**9.21 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2021-03	ug/L							< 10	< 10	< 10	< 10						
2-Butanone	2021-08	ug/L	< 10	< 10	< 10	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2022-03	ug/L							< 10	< 10	< 10	< 10						
2-Butanone	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	**2.71 J**	< 10	< 10	< 10	< 10
2-Butanone	2023-01	ug/L															< 10	
2-Butanone	2023-03	ug/L							< 10	< 10	< 10	< 10					< 10	
2-Butanone	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2024-03	ug/L							< 10	< 10	< 10	< 10						
2-Butanone	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2025-03	ug/L							**3.2 J**	< 10	< 10	< 10						
2-Butanone	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chloronaphthalene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
2-Chloronaphthalene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chloronaphthalene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2-Chloronaphthalene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
2-Chloronaphthalene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
2-Chloronaphthalene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2-Chloronaphthalene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	

Table 14

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
2-Acetylaminofluorene	2023-03	ug/L					< 10			< 10							
2-Acetylaminofluorene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2-Butanone	2008-08	ug/L	**14.4**	< 10	< 10	< 10	< 10	< 10	< 10								
2-Butanone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2-Butanone	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0										
2-Butanone	2009-09	ug/L	< 10.0	< 50.0	< 10.0	< 10.0	< 10.0										
2-Butanone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Butanone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Butanone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Butanone	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Butanone	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Butanone	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Butanone	2013-03	ug/L	< 10	**9.42 J**	< 250		< 10.0	< 10	< 10								
2-Butanone	2013-05	ug/L															
2-Butanone	2013-09	ug/L	< 10.0	< 10.0 J	**178**	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Butanone	2013-11	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Butanone	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Butanone	2014-06	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Butanone	2014-09	ug/L	< 10	< 10	**1.72 J**	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10		
2-Butanone	2015-03	ug/L	< 10.0	< 10.0 J	< 10.0 J	< 10.0	< 10	< 10	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Butanone	2015-09	ug/L		< 10		< 10	< 10	< 10	< 10								
2-Butanone	2015-10	ug/L	< 10		< 10					< 10	< 10	< 10	< 10	< 10	< 10		
2-Butanone	2016-03	ug/L	< 10	**1.26 J**	**1.36 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
2-Butanone	2016-06	ug/L															
2-Butanone	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
2-Butanone	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
2-Butanone	2017-08	ug/L	< 10	**2.7 J**	**2.52 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
2-Butanone	2017-11	ug/L														< 10	< 10
2-Butanone	2018-03	ug/L	< 10	**2.79 J**	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2018-06	ug/L														< 10	< 10
2-Butanone	2018-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10			
2-Butanone	2018-09	ug/L													< 10	< 10	< 10
2-Butanone	2018-11	ug/L														< 10	< 10
2-Butanone	2019-03	ug/L	< 10	< 10	**4.17 J**	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2019-08	ug/L	< 10	< 10	**3.73 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2020-03	ug/L	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10
2-Butanone	2020-04	ug/L			< 10									< 10			
2-Butanone	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
2-Butanone	2021-03	ug/L		< 10			< 10			< 10							
2-Butanone	2021-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
2-Butanone	2022-03	ug/L		< 10			< 10			< 10							
2-Butanone	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
2-Butanone	2023-01	ug/L															
2-Butanone	2023-03	ug/L		**2.38 J**			< 10			< 10							
2-Butanone	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
2-Butanone	2024-03	ug/L		< 10			< 10			< 10							
2-Butanone	2024-08	ug/L	< 10	< 10	**2.2 J**	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
2-Butanone	2025-03	ug/L		< 10			< 10			< 10							
2-Butanone	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
2-Chloronaphthalene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
2-Chloronaphthalene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2-Chloronaphthalene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2-Chloronaphthalene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Chloronaphthalene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Chloronaphthalene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
2-Chloronaphthalene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chloronaphthalene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
2-Chloronaphthalene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2-Chloronaphthalene	2016-03	ug/L			< 11.1	< 11.2												
2-Chloronaphthalene	2016-06	ug/L			< 11.4	< 11.4												
2-Chloronaphthalene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2-Chloronaphthalene	2023-01	ug/L															< 10.9	
2-Chloronaphthalene	2023-03	ug/L															< 10.4	
2-Chloronaphthalene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2-Chlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
2-Chlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorophenol	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2-Chlorophenol	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	**0.696 J**	< 10	< 10
2-Chlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	**0.536 J**	< 10.0	< 11.2
2-Chlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	**0.757 J**	< 10.0	
2-Chlorophenol	2011-03	ug/L	**0.157 J**	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	**0.578 J**	< 10.0	
2-Chlorophenol	2011-09	ug/L	**0.219 J**													**0.452 J**		
2-Chlorophenol	2012-03	ug/L	< 10.0													**0.613 J**		
2-Chlorophenol	2012-09	ug/L	< 10.0													**0.500 J**		
2-Chlorophenol	2013-03	ug/L	< 10.9													**0.712 J**		
2-Chlorophenol	2013-09	ug/L	**0.225 J**		< 10.2											**0.398 J**		
2-Chlorophenol	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		**0.216 J**	< 10.5	
2-Chlorophenol	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2-Chlorophenol	2016-03	ug/L			< 11.1	< 11.2												
2-Chlorophenol	2016-06	ug/L			< 11.4	< 11.4												
2-Chlorophenol	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2-Chlorophenol	2023-01	ug/L															< 10.9	
2-Chlorophenol	2023-03	ug/L															< 10.4	
2-Chlorophenol	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2-Hexanone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2009-07	ug/L	< 10	< 10.0		< 10		< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	
2-Hexanone	2009-09	ug/L	< 10	< 10.0		< 10.0		< 10.0	< 10.0	< 50.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	
2-Hexanone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 100	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	2013-03	ug/L	< 10.0	< 10		< 10.0	< 10.0		< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10
2-Hexanone	2013-05	ug/L			< 10.0			< 10.0										
2-Hexanone	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	2013-11	ug/L																
2-Hexanone	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	2014-06	ug/L																
2-Hexanone	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2015-03	ug/L	< 10	< 10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2-Hexanone	2015-09	ug/L	< 10	< 10		< 10	< 10	< 10			< 10	< 10	< 10	< 10		< 10	< 10	
2-Hexanone	2015-10	ug/L			< 10				< 10	< 10					< 10			< 10
2-Hexanone	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2016-06	ug/L			< 10	< 10												
2-Hexanone	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2017-11	ug/L																
2-Hexanone	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2018-06	ug/L																

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
2-Chloronaphthalene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2-Chloronaphthalene	2015-10	ug/L	< 11.8		< 10.3					< 11							
2-Chloronaphthalene	2016-03	ug/L					< 10.9			< 11.2							
2-Chloronaphthalene	2016-06	ug/L															
2-Chloronaphthalene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2-Chloronaphthalene	2023-01	ug/L															
2-Chloronaphthalene	2023-03	ug/L					< 10			< 10							
2-Chloronaphthalene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2-Chlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
2-Chlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2-Chlorophenol	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2-Chlorophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Chlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Chlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
2-Chlorophenol	2011-03	ug/L	< 10.0	**0.153 J**	< 10.0	< 10.0	< 10.0	< 10.0									
2-Chlorophenol	2011-09	ug/L		**0.164 J**			< 10.0										
2-Chlorophenol	2012-03	ug/L		**0.157 J**			< 10.0										
2-Chlorophenol	2012-09	ug/L		< 10.0			< 10.0										
2-Chlorophenol	2013-03	ug/L		< 10.5			< 11.8										
2-Chlorophenol	2013-09	ug/L		< 10.1													
2-Chlorophenol	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2-Chlorophenol	2015-10	ug/L	< 11.8		< 10.3					< 11							
2-Chlorophenol	2016-03	ug/L					< 10.9			< 11.2							
2-Chlorophenol	2016-06	ug/L															
2-Chlorophenol	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2-Chlorophenol	2023-01	ug/L															
2-Chlorophenol	2023-03	ug/L					< 10			< 10							
2-Chlorophenol	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2-Hexanone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2-Hexanone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2-Hexanone	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0										
2-Hexanone	2009-09	ug/L	< 10.0	< 50.0	< 10.0	< 10.0	< 10.0										
2-Hexanone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Hexanone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Hexanone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Hexanone	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Hexanone	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Hexanone	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Hexanone	2013-03	ug/L	< 10	< 10	< 250		< 10.0	< 10	< 10								
2-Hexanone	2013-05	ug/L															
2-Hexanone	2013-09	ug/L	< 10.0	< 10.0	**1.25 J**	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Hexanone	2013-11	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Hexanone	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Hexanone	2014-06	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Hexanone	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10		
2-Hexanone	2015-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Hexanone	2015-09	ug/L		< 10		< 10	< 10	< 10	< 10								
2-Hexanone	2015-10	ug/L	< 10		< 10					< 10	< 10	< 10	< 10	< 10	< 10		
2-Hexanone	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
2-Hexanone	2016-06	ug/L															
2-Hexanone	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
2-Hexanone	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
2-Hexanone	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
2-Hexanone	2017-11	ug/L														< 10	< 10
2-Hexanone	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2018-06	ug/L														< 10	< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Hexanone	2018-08	ug/L	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
2-Hexanone	2018-09	ug/L					< 10						< 10	< 10				
2-Hexanone	2018-11	ug/L																
2-Hexanone	2019-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2020-03	ug/L	< 10	< 10	< 10			< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2020-04	ug/L				< 10	< 10		< 10									
2-Hexanone	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2021-03	ug/L							< 10	< 10	< 10	< 10						
2-Hexanone	2021-08	ug/L	< 10	< 10	< 10	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2022-03	ug/L							< 10	< 10	< 10	< 10						
2-Hexanone	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2023-01	ug/L															< 10	
2-Hexanone	2023-03	ug/L							< 10	< 10	< 10	< 10					< 10	
2-Hexanone	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2024-03	ug/L							< 10	< 10	< 10	< 10						
2-Hexanone	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2025-03	ug/L							< 10	< 10	< 10	< 10						
2-Hexanone	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Methylnaphthalene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
2-Methylnaphthalene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Methylnaphthalene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2-Methylnaphthalene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
2-Methylnaphthalene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
2-Methylnaphthalene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2-Methylnaphthalene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
2-Methylnaphthalene	2011-09	ug/L																
2-Methylnaphthalene	2012-03	ug/L																
2-Methylnaphthalene	2012-09	ug/L																
2-Methylnaphthalene	2013-03	ug/L																
2-Methylnaphthalene	2013-09	ug/L																
2-Methylnaphthalene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
2-Methylnaphthalene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2-Methylnaphthalene	2016-03	ug/L			< 11.1	< 11.2												
2-Methylnaphthalene	2016-06	ug/L			< 11.4	< 11.4												
2-Methylnaphthalene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2-Methylnaphthalene	2023-01	ug/L															< 10.9	
2-Methylnaphthalene	2023-03	ug/L															< 10.4	
2-Methylnaphthalene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2-Methylphenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
2-Methylphenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Methylphenol	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2-Methylphenol	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
2-Methylphenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
2-Methylphenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2-Methylphenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
2-Methylphenol	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
2-Methylphenol	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2-Methylphenol	2016-03	ug/L			< 11.1	< 11.2												
2-Methylphenol	2016-06	ug/L			< 11.4	< 11.4												
2-Methylphenol	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2-Methylphenol	2023-01	ug/L															< 10.9	
2-Methylphenol	2023-03	ug/L															< 10.4	
2-Methylphenol	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2-Naphthylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
2-Naphthylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
2-Hexanone	2018-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10			
2-Hexanone	2018-09	ug/L													< 10	< 10	< 10
2-Hexanone	2018-11	ug/L														< 10	< 10
2-Hexanone	2019-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2020-03	ug/L	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10
2-Hexanone	2020-04	ug/L			< 10									< 10			
2-Hexanone	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
2-Hexanone	2021-03	ug/L		< 10			< 10			< 10							
2-Hexanone	2021-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
2-Hexanone	2022-03	ug/L		< 10			< 10			< 10							
2-Hexanone	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
2-Hexanone	2023-01	ug/L															
2-Hexanone	2023-03	ug/L		< 10			< 10			< 10							
2-Hexanone	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
2-Hexanone	2024-03	ug/L		< 10			< 10			< 10							
2-Hexanone	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
2-Hexanone	2025-03	ug/L		< 10			< 10			< 10							
2-Hexanone	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
2-Methylnaphthalene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
2-Methylnaphthalene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2-Methylnaphthalene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2-Methylnaphthalene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Methylnaphthalene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Methylnaphthalene	2010-09	ug/L	< 10.0	**0.191 J**	< 10.0	< 10.0	< 10.0										
2-Methylnaphthalene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
2-Methylnaphthalene	2011-09	ug/L		< 10.0			< 10.0										
2-Methylnaphthalene	2012-03	ug/L		< 10.0			< 10.0										
2-Methylnaphthalene	2012-09	ug/L		< 10.0			< 10.0										
2-Methylnaphthalene	2013-03	ug/L		< 10.5			< 11.8										
2-Methylnaphthalene	2013-09	ug/L		< 10.1													
2-Methylnaphthalene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2-Methylnaphthalene	2015-10	ug/L	< 11.8		< 10.3					< 11							
2-Methylnaphthalene	2016-03	ug/L					< 10.9			< 11.2							
2-Methylnaphthalene	2016-06	ug/L															
2-Methylnaphthalene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2-Methylnaphthalene	2023-01	ug/L															
2-Methylnaphthalene	2023-03	ug/L					< 10			< 10							
2-Methylnaphthalene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2-Methylphenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
2-Methylphenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2-Methylphenol	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2-Methylphenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Methylphenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Methylphenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
2-Methylphenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
2-Methylphenol	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2-Methylphenol	2015-10	ug/L	< 11.8		< 10.3					< 11							
2-Methylphenol	2016-03	ug/L					< 10.9			< 11.2							
2-Methylphenol	2016-06	ug/L															
2-Methylphenol	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2-Methylphenol	2023-01	ug/L															
2-Methylphenol	2023-03	ug/L					< 10			< 10							
2-Methylphenol	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2-Naphthylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
2-Naphthylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Naphthylamine	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2-Naphthylamine	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
2-Naphthylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
2-Naphthylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2-Naphthylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
2-Naphthylamine	2012-03	ug/L																
2-Naphthylamine	2012-09	ug/L																
2-Naphthylamine	2013-03	ug/L																
2-Naphthylamine	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
2-Naphthylamine	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2-Naphthylamine	2016-03	ug/L			< 11.1	< 11.2												
2-Naphthylamine	2016-06	ug/L			< 11.4	< 11.4												
2-Naphthylamine	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2-Naphthylamine	2023-01	ug/L															< 10.9	
2-Naphthylamine	2023-03	ug/L															< 10.4	
2-Naphthylamine	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2-Nitroaniline	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
2-Nitroaniline	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Nitroaniline	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2-Nitroaniline	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
2-Nitroaniline	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
2-Nitroaniline	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2-Nitroaniline	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
2-Nitroaniline	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
2-Nitroaniline	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2-Nitroaniline	2016-03	ug/L			< 11.1	< 11.2												
2-Nitroaniline	2016-06	ug/L			< 11.4	< 11.4												
2-Nitroaniline	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2-Nitroaniline	2023-01	ug/L															< 10.9	
2-Nitroaniline	2023-03	ug/L															< 10.4	
2-Nitroaniline	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
2-Nitrophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
2-Nitrophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Nitrophenol	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
2-Nitrophenol	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
2-Nitrophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
2-Nitrophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
2-Nitrophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
2-Nitrophenol	2012-03	ug/L																
2-Nitrophenol	2012-09	ug/L																
2-Nitrophenol	2013-03	ug/L																
2-Nitrophenol	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
2-Nitrophenol	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
2-Nitrophenol	2016-03	ug/L			< 11.1	< 11.2												
2-Nitrophenol	2016-06	ug/L			< 11.4	< 11.4												
2-Nitrophenol	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
2-Nitrophenol	2023-01	ug/L															< 10.9	
2-Nitrophenol	2023-03	ug/L															< 10.4	
2-Nitrophenol	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
3,3-Dichlorobenzidine	2008-08	ug/L	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 94.4	< 85	< 85	< 85	< 85	< 85	< 94.4	< 85
3,3-Dichlorobenzidine	2009-03	ug/L	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85
3,3-Dichlorobenzidine	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
3,3-Dichlorobenzidine	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
3,3-Dichlorobenzidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
3,3-Dichlorobenzidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
3,3-Dichlorobenzidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
2-Naphthylamine	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2-Naphthylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Naphthylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Naphthylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
2-Naphthylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
2-Naphthylamine	2012-03	ug/L					< 10.0										
2-Naphthylamine	2012-09	ug/L		< 10.0			< 10.0										
2-Naphthylamine	2013-03	ug/L					< 11.8										
2-Naphthylamine	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2-Naphthylamine	2015-10	ug/L	< 11.8		< 10.3					< 11							
2-Naphthylamine	2016-03	ug/L					< 10.9			< 11.2							
2-Naphthylamine	2016-06	ug/L															
2-Naphthylamine	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2-Naphthylamine	2023-01	ug/L															
2-Naphthylamine	2023-03	ug/L					< 10			< 10							
2-Naphthylamine	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2-Nitroaniline	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
2-Nitroaniline	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2-Nitroaniline	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2-Nitroaniline	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Nitroaniline	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Nitroaniline	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
2-Nitroaniline	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
2-Nitroaniline	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2-Nitroaniline	2015-10	ug/L	< 11.8		< 10.3					< 11							
2-Nitroaniline	2016-03	ug/L					< 10.9			< 11.2							
2-Nitroaniline	2016-06	ug/L															
2-Nitroaniline	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2-Nitroaniline	2023-01	ug/L															
2-Nitroaniline	2023-03	ug/L					< 10			< 10							
2-Nitroaniline	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
2-Nitrophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
2-Nitrophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
2-Nitrophenol	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
2-Nitrophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Nitrophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
2-Nitrophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
2-Nitrophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
2-Nitrophenol	2012-03	ug/L					< 10.0										
2-Nitrophenol	2012-09	ug/L					< 10.0										
2-Nitrophenol	2013-03	ug/L					< 11.8										
2-Nitrophenol	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
2-Nitrophenol	2015-10	ug/L	< 11.8		< 10.3					< 11							
2-Nitrophenol	2016-03	ug/L					< 10.9			< 11.2							
2-Nitrophenol	2016-06	ug/L															
2-Nitrophenol	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
2-Nitrophenol	2023-01	ug/L															
2-Nitrophenol	2023-03	ug/L					< 10			< 10							
2-Nitrophenol	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
3,3-Dichlorobenzidine	2008-08	ug/L	< 85	< 85	< 85	< 85	< 85	< 94.4	< 85								
3,3-Dichlorobenzidine	2009-03	ug/L	< 85	< 85	< 85	< 85	< 85	< 85	< 85								
3,3-Dichlorobenzidine	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
3,3-Dichlorobenzidine	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
3,3-Dichlorobenzidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
3,3-Dichlorobenzidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
3,3-Dichlorobenzidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
3,3-Dichlorobenzidine	2015-09	ug/L	< 56.8	< 55.6			< 55.6	< 58.1			< 54.3	< 55.6	< 54.3	< 56.2		< 56.8	< 52.6	
3,3-Dichlorobenzidine	2015-10	ug/L							< 52.1	< 52.6					< 58.8			< 58.8
3,3-Dichlorobenzidine	2016-03	ug/L			< 55.6	< 56.2												
3,3-Dichlorobenzidine	2016-06	ug/L			< 56.8	< 56.8												
3,3-Dichlorobenzidine	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
3,3-Dichlorobenzidine	2023-01	ug/L															< 10.9	
3,3-Dichlorobenzidine	2023-03	ug/L															< 10.4	
3,3-Dichlorobenzidine	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
3,3-Dimethylbenzidine	2008-08	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 22.2	< 20	< 20	< 20	< 20	< 20	< 22.2	< 20
3,3-Dimethylbenzidine	2009-03	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3,3-Dimethylbenzidine	2009-07	ug/L	< 20	< 20.0	< 20.0	< 20		< 20		< 20			< 20.0		< 20	< 20	< 20	< 20
3,3-Dimethylbenzidine	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
3,3-Dimethylbenzidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
3,3-Dimethylbenzidine	2010-09	ug/L	< 10.0 R	< 10.0 R	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
3,3-Dimethylbenzidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
3,3-Dimethylbenzidine	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
3,3-Dimethylbenzidine	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
3,3-Dimethylbenzidine	2016-03	ug/L			< 11.1	< 11.2												
3,3-Dimethylbenzidine	2016-06	ug/L			< 11.4	< 11.4												
3,3-Dimethylbenzidine	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
3,3-Dimethylbenzidine	2023-01	ug/L															< 10.9	
3,3-Dimethylbenzidine	2023-03	ug/L															< 10.4	
3,3-Dimethylbenzidine	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
3-Methylcholanthrene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
3-Methylcholanthrene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
3-Methylcholanthrene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
3-Methylcholanthrene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
3-Methylcholanthrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
3-Methylcholanthrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
3-Methylcholanthrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
3-Methylcholanthrene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
3-Methylcholanthrene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
3-Methylcholanthrene	2016-03	ug/L			< 11.1	< 11.2												
3-Methylcholanthrene	2016-06	ug/L			< 11.4	< 11.4												
3-Methylcholanthrene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
3-Methylcholanthrene	2023-01	ug/L															< 10.9	
3-Methylcholanthrene	2023-03	ug/L															< 10.4	
3-Methylcholanthrene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
3-Nitroaniline	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
3-Nitroaniline	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
3-Nitroaniline	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
3-Nitroaniline	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
3-Nitroaniline	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
3-Nitroaniline	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
3-Nitroaniline	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
3-Nitroaniline	2011-09	ug/L																
3-Nitroaniline	2012-03	ug/L																
3-Nitroaniline	2012-09	ug/L																
3-Nitroaniline	2013-03	ug/L																
3-Nitroaniline	2013-09	ug/L																
3-Nitroaniline	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
3-Nitroaniline	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
3-Nitroaniline	2016-03	ug/L			< 11.1	< 11.2												
3-Nitroaniline	2016-06	ug/L			< 11.4	< 11.4												
3-Nitroaniline	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
3-Nitroaniline	2023-01	ug/L															< 10.9	

Table 14

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
3,3-Dichlorobenzidine	2015-09	ug/L		< 54.9		< 56.2	< 58.1	< 56.2	< 56.2								
3,3-Dichlorobenzidine	2015-10	ug/L	< 58.8		< 51.5					< 54.9							
3,3-Dichlorobenzidine	2016-03	ug/L					< 54.3			< 56.2							
3,3-Dichlorobenzidine	2016-06	ug/L															
3,3-Dichlorobenzidine	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
3,3-Dichlorobenzidine	2023-01	ug/L															
3,3-Dichlorobenzidine	2023-03	ug/L					< 10			< 10							
3,3-Dichlorobenzidine	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
3,3-Dimethylbenzidine	2008-08	ug/L	< 20	< 20	< 20	< 20	< 20	< 22.2	< 20								
3,3-Dimethylbenzidine	2009-03	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20								
3,3-Dimethylbenzidine	2009-07	ug/L	< 20.0	< 20	< 20	< 20	< 20.0	< 22.7	< 20.0								
3,3-Dimethylbenzidine	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
3,3-Dimethylbenzidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
3,3-Dimethylbenzidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
3,3-Dimethylbenzidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
3,3-Dimethylbenzidine	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
3,3-Dimethylbenzidine	2015-10	ug/L	< 11.8		< 10.3					< 11							
3,3-Dimethylbenzidine	2016-03	ug/L					< 10.9			< 11.2							
3,3-Dimethylbenzidine	2016-06	ug/L															
3,3-Dimethylbenzidine	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
3,3-Dimethylbenzidine	2023-01	ug/L															
3,3-Dimethylbenzidine	2023-03	ug/L					< 10			< 10							
3,3-Dimethylbenzidine	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
3-Methylcholanthrene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
3-Methylcholanthrene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
3-Methylcholanthrene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
3-Methylcholanthrene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
3-Methylcholanthrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
3-Methylcholanthrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
3-Methylcholanthrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
3-Methylcholanthrene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
3-Methylcholanthrene	2015-10	ug/L	< 11.8		< 10.3					< 11							
3-Methylcholanthrene	2016-03	ug/L					< 10.9			< 11.2							
3-Methylcholanthrene	2016-06	ug/L															
3-Methylcholanthrene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
3-Methylcholanthrene	2023-01	ug/L															
3-Methylcholanthrene	2023-03	ug/L					< 10			< 10							
3-Methylcholanthrene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
3-Nitroaniline	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
3-Nitroaniline	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
3-Nitroaniline	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
3-Nitroaniline	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
3-Nitroaniline	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
3-Nitroaniline	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
3-Nitroaniline	2011-03	ug/L	< 10.0	< 10.0	**0.646 J**	< 10.0	< 10.0	< 10.0									
3-Nitroaniline	2011-09	ug/L			< 10.0		< 10.0										
3-Nitroaniline	2012-03	ug/L			< 10.0		< 10.0										
3-Nitroaniline	2012-09	ug/L			< 10.0		< 10.0										
3-Nitroaniline	2013-03	ug/L			< 10.6		< 11.8										
3-Nitroaniline	2013-09	ug/L			< 11.0												
3-Nitroaniline	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
3-Nitroaniline	2015-10	ug/L	< 11.8		< 10.3					< 11							
3-Nitroaniline	2016-03	ug/L					< 10.9			< 11.2							
3-Nitroaniline	2016-06	ug/L															
3-Nitroaniline	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
3-Nitroaniline	2023-01	ug/L															

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
3-Nitroaniline	2023-03	ug/L															< 10.4	
3-Nitroaniline	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
4,4'-DDD	2008-08	ug/L	< 0.053			< 0.054	< 0.062	< 0.052	< 0.061	< 0.047	< 0.053	< 0.053	< 0.056	< 0.056	< 0.058	< 0.053		< 0.053
4,4'-DDD	2008-09	ug/L		< 0.016	< 0.016												< 0.016	
4,4'-DDD	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
4,4'-DDD	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	
4,4'-DDD	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
4,4'-DDD	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
4,4'-DDD	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
4,4'-DDD	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
4,4'-DDD	2015-09	ug/L	< 0.036	< 0.0356			< 0.0352	< 0.0386			< 0.0337	< 0.0352	< 0.0333	< 0.036		< 0.0356	< 0.0376	
4,4'-DDD	2015-10	ug/L							< 0.04	< 0.0372					< 0.0386			< 0.0368
4,4'-DDD	2016-03	ug/L			< 0.032	< 0.0356												
4,4'-DDD	2016-06	ug/L			< 0.0364	< 0.0364												
4,4'-DDD	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.0416	< 0.0376	< 0.0368	< 0.0386	< 0.0376	< 0.0395	< 0.039	< 0.0381	< 0.04
4,4'-DDD	2023-01	ug/L															< 0.0727	
4,4'-DDD	2023-03	ug/L															< 0.0667	
4,4'-DDD	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954		< 0.0959
4,4'-DDE	2008-08	ug/L	< 0.053			< 0.054	< 0.062	< 0.052	< 0.061	< 0.047	< 0.053	< 0.053	< 0.056	< 0.056	< 0.058	< 0.053		< 0.053
4,4'-DDE	2008-09	ug/L		< 0.016	< 0.016												< 0.016	
4,4'-DDE	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
4,4'-DDE	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	
4,4'-DDE	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
4,4'-DDE	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
4,4'-DDE	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
4,4'-DDE	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
4,4'-DDE	2015-09	ug/L	< 0.036	< 0.0356			< 0.0352	< 0.0386			< 0.0337	< 0.0352	< 0.0333	< 0.036		< 0.0356	< 0.0376	
4,4'-DDE	2015-10	ug/L							< 0.04	< 0.0372					< 0.0386			< 0.0368
4,4'-DDE	2016-03	ug/L			**0.00273 J**	< 0.0356												
4,4'-DDE	2016-06	ug/L			< 0.0364	< 0.0364												
4,4'-DDE	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	**0.0093 J**	**0.0029 J**	< 0.0376	< 0.0376	< 0.0416	< 0.0376	< 0.0368	< 0.0386	< 0.0376	< 0.0395	< 0.039	< 0.0381	< 0.04
4,4'-DDE	2023-01	ug/L															< 0.0727	
4,4'-DDE	2023-03	ug/L															< 0.0667	
4,4'-DDE	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954		< 0.0959
4,4'-DDT	2008-08	ug/L	< 0.053			< 0.054	< 0.062	< 0.052	< 0.061	< 0.047	< 0.053	< 0.053	< 0.056	**0.53**	< 0.058	< 0.053		< 0.053
4,4'-DDT	2008-09	ug/L		< 0.016	< 0.016												< 0.016	
4,4'-DDT	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
4,4'-DDT	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	
4,4'-DDT	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
4,4'-DDT	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
4,4'-DDT	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
4,4'-DDT	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
4,4'-DDT	2011-09	ug/L												< 0.0320				
4,4'-DDT	2012-03	ug/L												< 0.0320				
4,4'-DDT	2012-09	ug/L												< 0.0320				
4,4'-DDT	2013-03	ug/L												< 0.036				
4,4'-DDT	2013-09	ug/L												< 0.0360				
4,4'-DDT	2014-03	ug/L												< 0.0348				
4,4'-DDT	2014-09	ug/L												< 0.0348				
4,4'-DDT	2015-03	ug/L												< 0.0348				
4,4'-DDT	2015-09	ug/L	< 0.036	< 0.0356			< 0.0352	< 0.0386			< 0.0337	< 0.0352	< 0.0333	< 0.036		< 0.0356	< 0.0376	
4,4'-DDT	2015-10	ug/L							< 0.04	< 0.0372					< 0.0386			< 0.0368
4,4'-DDT	2016-03	ug/L			< 0.032	**0.0131 J**								< 0.0352				
4,4'-DDT	2016-06	ug/L			< 0.0364	**0.0121 J**												
4,4'-DDT	2016-08	ug/L												< 0.036				
4,4'-DDT	2017-03	ug/L												< 0.0333				

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
3-Nitroaniline	2023-03	ug/L					< 10			< 10							
3-Nitroaniline	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
4,4'-DDD	2008-08	ug/L		< 0.047	< 0.051	< 0.055											
4,4'-DDD	2008-09	ug/L	< 0.016				< 0.016	< 0.016	< 0.016								
4,4'-DDD	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
4,4'-DDD	2009-07	ug/L					< 0.0320		< 0.0320								
4,4'-DDD	2009-09	ug/L					< 0.0320		< 0.0320								
4,4'-DDD	2010-03	ug/L					< 0.0320		< 0.0320								
4,4'-DDD	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
4,4'-DDD	2011-03	ug/L					< 0.0320										
4,4'-DDD	2015-09	ug/L		**0.00581 J**		< 0.0356	< 0.0368	< 0.0356	< 0.0352								
4,4'-DDD	2015-10	ug/L	< 0.0372		< 0.0356					< 0.0372							
4,4'-DDD	2016-03	ug/L					< 0.0333			< 0.0356							
4,4'-DDD	2016-06	ug/L															
4,4'-DDD	2020-08	ug/L	< 0.039	< 0.0376	< 0.0337	< 0.0386	< 0.0438	< 0.0368	< 0.0356	< 0.0352							
4,4'-DDD	2023-01	ug/L															
4,4'-DDD	2023-03	ug/L					< 0.0696			< 0.064							
4,4'-DDD	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
4,4'-DDE	2008-08	ug/L		< 0.047	< 0.051	< 0.055											
4,4'-DDE	2008-09	ug/L	< 0.016				< 0.016	< 0.016	< 0.016								
4,4'-DDE	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
4,4'-DDE	2009-07	ug/L					< 0.0320		< 0.0320								
4,4'-DDE	2009-09	ug/L					< 0.0320		< 0.0320								
4,4'-DDE	2010-03	ug/L					< 0.0320		< 0.0320								
4,4'-DDE	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
4,4'-DDE	2011-03	ug/L					< 0.0320										
4,4'-DDE	2015-09	ug/L		< 0.0352		< 0.0356	< 0.0368	< 0.0356	< 0.0352								
4,4'-DDE	2015-10	ug/L	< 0.0372		**0.00279 J**					< 0.0372							
4,4'-DDE	2016-03	ug/L					**0.00227 J**			< 0.0356 J							
4,4'-DDE	2016-06	ug/L															
4,4'-DDE	2020-08	ug/L	< 0.039	**0.00456 J**	< 0.0337	< 0.0386	< 0.0438	< 0.0368	< 0.0356	< 0.0352							
4,4'-DDE	2023-01	ug/L															
4,4'-DDE	2023-03	ug/L					< 0.0696			< 0.064							
4,4'-DDE	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
4,4'-DDT	2008-08	ug/L		< 0.047	< 0.051	< 0.055											
4,4'-DDT	2008-09	ug/L	< 0.016				< 0.016	< 0.016	< 0.016								
4,4'-DDT	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
4,4'-DDT	2009-07	ug/L					< 0.0320		< 0.0320								
4,4'-DDT	2009-09	ug/L					< 0.0320		< 0.0320								
4,4'-DDT	2010-03	ug/L					< 0.0320		< 0.0320								
4,4'-DDT	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
4,4'-DDT	2011-03	ug/L					< 0.0320										
4,4'-DDT	2011-09	ug/L					< 0.0320										
4,4'-DDT	2012-03	ug/L					< 0.0320		< 0.0320								
4,4'-DDT	2012-09	ug/L															
4,4'-DDT	2013-03	ug/L					< 0.0333										
4,4'-DDT	2013-09	ug/L															
4,4'-DDT	2014-03	ug/L					< 0.0348										
4,4'-DDT	2014-09	ug/L					< 0.032										
4,4'-DDT	2015-03	ug/L					< 0.036										
4,4'-DDT	2015-09	ug/L		< 0.0352		< 0.0356	< 0.0368	< 0.0356	< 0.0352								
4,4'-DDT	2015-10	ug/L	< 0.0372		< 0.0356					< 0.0372							
4,4'-DDT	2016-03	ug/L					< 0.0333			< 0.0356							
4,4'-DDT	2016-06	ug/L															
4,4'-DDT	2016-08	ug/L					< 0.0356			< 0.0356							
4,4'-DDT	2017-03	ug/L					< 0.0337			< 0.0372							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,4'-DDT	2017-08	ug/L												**0.00628 J**				
4,4'-DDT	2018-03	ug/L												< 0.036				
4,4'-DDT	2018-08	ug/L																
4,4'-DDT	2018-09	ug/L												< 0.0344				
4,4'-DDT	2019-03	ug/L												< 0.0364				
4,4'-DDT	2019-08	ug/L												< 0.034				
4,4'-DDT	2020-03	ug/L												**0.00602 J**				
4,4'-DDT	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	**0.0149 J**	< 0.0416	**0.00888 J**	< 0.0368	< 0.0386	< 0.0376	< 0.0395	< 0.039	< 0.0381	< 0.04
4,4'-DDT	2021-08	ug/L												< 0.0386				
4,4'-DDT	2022-08	ug/L												< 0.064				
4,4'-DDT	2023-01	ug/L															< 0.0727	
4,4'-DDT	2023-03	ug/L															< 0.0667	
4,4'-DDT	2023-08	ug/L												< 0.0744				
4,4'-DDT	2024-08	ug/L												< 0.064				
4,4'-DDT	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954		< 0.0959
4,6-Dinitro-2-methylphenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
4,6-Dinitro-2-methylphenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4,6-Dinitro-2-methylphenol	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
4,6-Dinitro-2-methylphenol	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
4,6-Dinitro-2-methylphenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
4,6-Dinitro-2-methylphenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
4,6-Dinitro-2-methylphenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
4,6-Dinitro-2-methylphenol	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
4,6-Dinitro-2-methylphenol	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
4,6-Dinitro-2-methylphenol	2016-03	ug/L			< 11.1	< 11.2												
4,6-Dinitro-2-methylphenol	2016-06	ug/L			< 11.4	< 11.4												
4,6-Dinitro-2-methylphenol	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
4,6-Dinitro-2-methylphenol	2023-01	ug/L															< 10.9	
4,6-Dinitro-2-methylphenol	2023-03	ug/L															< 10.4	
4,6-Dinitro-2-methylphenol	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
4-Aminobiphenyl	2008-08	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 22.2	< 20	< 20	< 20	< 20	< 20	< 22.2	< 20
4-Aminobiphenyl	2009-03	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Aminobiphenyl	2009-07	ug/L	< 20	< 20.0	< 20.0	< 20		< 20		< 20			< 20.0		< 20	< 20	< 20	< 20
4-Aminobiphenyl	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
4-Aminobiphenyl	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
4-Aminobiphenyl	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
4-Aminobiphenyl	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
4-Aminobiphenyl	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
4-Aminobiphenyl	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
4-Aminobiphenyl	2016-03	ug/L			< 11.1	< 11.2												
4-Aminobiphenyl	2016-06	ug/L			< 11.4	< 11.4												
4-Aminobiphenyl	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
4-Aminobiphenyl	2023-01	ug/L															< 10.9	
4-Aminobiphenyl	2023-03	ug/L															< 10.4	
4-Aminobiphenyl	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
4-Bromophenyl Phenyl Ether	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
4-Bromophenyl Phenyl Ether	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Bromophenyl Phenyl Ether	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
4-Bromophenyl Phenyl Ether	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
4-Bromophenyl Phenyl Ether	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
4-Bromophenyl Phenyl Ether	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
4-Bromophenyl Phenyl Ether	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
4-Bromophenyl Phenyl Ether	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
4-Bromophenyl Phenyl Ether	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
4-Bromophenyl Phenyl Ether	2016-03	ug/L			< 11.1	< 11.2												
4-Bromophenyl Phenyl Ether	2016-06	ug/L			< 11.4	< 11.4												

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
4,4'-DDT	2017-08	ug/L					< 0.0356			< 0.0356							
4,4'-DDT	2018-03	ug/L					< 0.0444			< 0.0372							
4,4'-DDT	2018-08	ug/L					< 0.0451			< 0.0381							
4,4'-DDT	2018-09	ug/L															
4,4'-DDT	2019-03	ug/L					< 0.039			< 0.0395							
4,4'-DDT	2019-08	ug/L					< 0.0346			< 0.034							
4,4'-DDT	2020-03	ug/L					< 0.0427			< 0.0376							
4,4'-DDT	2020-08	ug/L	< 0.039	< 0.0376	< 0.0337	< 0.0386	< 0.0438	< 0.0368	< 0.0356	< 0.0352							
4,4'-DDT	2021-08	ug/L					< 0.04			< 0.0368							
4,4'-DDT	2022-08	ug/L					< 0.0667			< 0.0604							
4,4'-DDT	2023-01	ug/L															
4,4'-DDT	2023-03	ug/L					< 0.0696			< 0.064							
4,4'-DDT	2023-08	ug/L					< 0.0604			< 0.0711							
4,4'-DDT	2024-08	ug/L					< 0.064			< 0.0696							
4,4'-DDT	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
4,6-Dinitro-2-methylphenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
4,6-Dinitro-2-methylphenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
4,6-Dinitro-2-methylphenol	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
4,6-Dinitro-2-methylphenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4,6-Dinitro-2-methylphenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4,6-Dinitro-2-methylphenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
4,6-Dinitro-2-methylphenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
4,6-Dinitro-2-methylphenol	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
4,6-Dinitro-2-methylphenol	2015-10	ug/L	< 11.8		< 10.3					< 11							
4,6-Dinitro-2-methylphenol	2016-03	ug/L					< 10.9			< 11.2							
4,6-Dinitro-2-methylphenol	2016-06	ug/L															
4,6-Dinitro-2-methylphenol	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
4,6-Dinitro-2-methylphenol	2023-01	ug/L															
4,6-Dinitro-2-methylphenol	2023-03	ug/L					< 10			< 10							
4,6-Dinitro-2-methylphenol	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
4-Aminobiphenyl	2008-08	ug/L	< 20	< 20	< 20	< 20	< 20	< 22.2	< 20								
4-Aminobiphenyl	2009-03	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20								
4-Aminobiphenyl	2009-07	ug/L	< 20.0	< 20	< 20	< 20	< 20.0	< 22.7	< 20.0								
4-Aminobiphenyl	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Aminobiphenyl	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Aminobiphenyl	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
4-Aminobiphenyl	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
4-Aminobiphenyl	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
4-Aminobiphenyl	2015-10	ug/L	< 11.8		< 10.3					< 11							
4-Aminobiphenyl	2016-03	ug/L					< 10.9			< 11.2							
4-Aminobiphenyl	2016-06	ug/L															
4-Aminobiphenyl	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
4-Aminobiphenyl	2023-01	ug/L															
4-Aminobiphenyl	2023-03	ug/L					< 10			< 10							
4-Aminobiphenyl	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
4-Bromophenyl Phenyl Ether	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
4-Bromophenyl Phenyl Ether	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
4-Bromophenyl Phenyl Ether	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
4-Bromophenyl Phenyl Ether	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Bromophenyl Phenyl Ether	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Bromophenyl Phenyl Ether	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
4-Bromophenyl Phenyl Ether	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
4-Bromophenyl Phenyl Ether	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
4-Bromophenyl Phenyl Ether	2015-10	ug/L	< 11.8		< 10.3					< 11							
4-Bromophenyl Phenyl Ether	2016-03	ug/L					< 10.9			< 11.2							
4-Bromophenyl Phenyl Ether	2016-06	ug/L															

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Bromophenyl Phenyl Ether	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
4-Bromophenyl Phenyl Ether	2023-01	ug/L															< 10.9	
4-Bromophenyl Phenyl Ether	2023-03	ug/L															< 10.4	
4-Bromophenyl Phenyl Ether	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
4-Chloro-3-methylphenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
4-Chloro-3-methylphenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chloro-3-methylphenol	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
4-Chloro-3-methylphenol	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
4-Chloro-3-methylphenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
4-Chloro-3-methylphenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
4-Chloro-3-methylphenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
4-Chloro-3-methylphenol	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
4-Chloro-3-methylphenol	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
4-Chloro-3-methylphenol	2016-03	ug/L			< 11.1	< 11.2												
4-Chloro-3-methylphenol	2016-06	ug/L			< 11.4	< 11.4												
4-Chloro-3-methylphenol	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
4-Chloro-3-methylphenol	2023-01	ug/L															< 10.9	
4-Chloro-3-methylphenol	2023-03	ug/L															< 10.4	
4-Chloro-3-methylphenol	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
4-Chloroaniline	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
4-Chloroaniline	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chloroaniline	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
4-Chloroaniline	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
4-Chloroaniline	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	**0.310 J**	< 10.0	< 11.2
4-Chloroaniline	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
4-Chloroaniline	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
4-Chloroaniline	2011-09	ug/L														< 10.0		
4-Chloroaniline	2012-03	ug/L														< 10.0		
4-Chloroaniline	2012-09	ug/L														< 10.0		
4-Chloroaniline	2013-03	ug/L														< 11.0		
4-Chloroaniline	2013-09	ug/L														< 11.2		
4-Chloroaniline	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
4-Chloroaniline	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
4-Chloroaniline	2016-03	ug/L			< 11.1	< 11.2												
4-Chloroaniline	2016-06	ug/L			< 11.4	< 11.4												
4-Chloroaniline	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
4-Chloroaniline	2023-01	ug/L															< 10.9	
4-Chloroaniline	2023-03	ug/L															< 10.4	
4-Chloroaniline	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
4-Chlorophenyl Phenyl Ether	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
4-Chlorophenyl Phenyl Ether	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorophenyl Phenyl Ether	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
4-Chlorophenyl Phenyl Ether	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
4-Chlorophenyl Phenyl Ether	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
4-Chlorophenyl Phenyl Ether	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
4-Chlorophenyl Phenyl Ether	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
4-Chlorophenyl Phenyl Ether	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
4-Chlorophenyl Phenyl Ether	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
4-Chlorophenyl Phenyl Ether	2016-03	ug/L			< 11.1	< 11.2												
4-Chlorophenyl Phenyl Ether	2016-06	ug/L			< 11.4	< 11.4												
4-Chlorophenyl Phenyl Ether	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
4-Chlorophenyl Phenyl Ether	2023-01	ug/L															< 10.9	
4-Chlorophenyl Phenyl Ether	2023-03	ug/L															< 10.4	
4-Chlorophenyl Phenyl Ether	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
4-Methyl-2-pentanone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
4-Bromophenyl Phenyl Ether	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
4-Bromophenyl Phenyl Ether	2023-01	ug/L															
4-Bromophenyl Phenyl Ether	2023-03	ug/L					< 10			< 10							
4-Bromophenyl Phenyl Ether	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
4-Chloro-3-methylphenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
4-Chloro-3-methylphenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
4-Chloro-3-methylphenol	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
4-Chloro-3-methylphenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Chloro-3-methylphenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Chloro-3-methylphenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
4-Chloro-3-methylphenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
4-Chloro-3-methylphenol	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
4-Chloro-3-methylphenol	2015-10	ug/L	< 11.8		< 10.3					< 11							
4-Chloro-3-methylphenol	2016-03	ug/L					< 10.9			< 11.2							
4-Chloro-3-methylphenol	2016-06	ug/L															
4-Chloro-3-methylphenol	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
4-Chloro-3-methylphenol	2023-01	ug/L															
4-Chloro-3-methylphenol	2023-03	ug/L					< 10			< 10							
4-Chloro-3-methylphenol	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
4-Chloroaniline	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
4-Chloroaniline	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
4-Chloroaniline	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
4-Chloroaniline	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Chloroaniline	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Chloroaniline	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
4-Chloroaniline	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
4-Chloroaniline	2011-09	ug/L					< 10.0										
4-Chloroaniline	2012-03	ug/L					< 10.0										
4-Chloroaniline	2012-09	ug/L					< 10.0										
4-Chloroaniline	2013-03	ug/L					< 11.8										
4-Chloroaniline	2013-09	ug/L															
4-Chloroaniline	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
4-Chloroaniline	2015-10	ug/L	< 11.8		< 10.3					< 11							
4-Chloroaniline	2016-03	ug/L					< 10.9			< 11.2							
4-Chloroaniline	2016-06	ug/L															
4-Chloroaniline	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
4-Chloroaniline	2023-01	ug/L															
4-Chloroaniline	2023-03	ug/L					< 10			< 10							
4-Chloroaniline	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
4-Chlorophenyl Phenyl Ether	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
4-Chlorophenyl Phenyl Ether	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
4-Chlorophenyl Phenyl Ether	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
4-Chlorophenyl Phenyl Ether	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Chlorophenyl Phenyl Ether	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Chlorophenyl Phenyl Ether	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
4-Chlorophenyl Phenyl Ether	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
4-Chlorophenyl Phenyl Ether	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
4-Chlorophenyl Phenyl Ether	2015-10	ug/L	< 11.8		< 10.3					< 11							
4-Chlorophenyl Phenyl Ether	2016-03	ug/L					< 10.9			< 11.2							
4-Chlorophenyl Phenyl Ether	2016-06	ug/L															
4-Chlorophenyl Phenyl Ether	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
4-Chlorophenyl Phenyl Ether	2023-01	ug/L															
4-Chlorophenyl Phenyl Ether	2023-03	ug/L					< 10			< 10							
4-Chlorophenyl Phenyl Ether	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
4-Methyl-2-pentanone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
4-Methyl-2-pentanone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-pentanone	2009-07	ug/L	< 10	< 10.0		< 10		< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	
4-Methyl-2-pentanone	2009-09	ug/L	< 10	< 10.0		< 10.0		< 10.0	< 10.0	< 50.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	
4-Methyl-2-pentanone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 100	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	2013-03	ug/L	< 10.0	< 10		< 10.0	< 10.0		< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10
4-Methyl-2-pentanone	2013-05	ug/L			< 10.0			< 10.0										
4-Methyl-2-pentanone	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	2013-11	ug/L																
4-Methyl-2-pentanone	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	2014-06	ug/L																
4-Methyl-2-pentanone	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2015-03	ug/L	< 10	< 10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
4-Methyl-2-pentanone	2015-09	ug/L	< 10	< 10		< 10	< 10	< 10			< 10	< 10	< 10	< 10		< 10	< 10	
4-Methyl-2-pentanone	2015-10	ug/L			< 10				< 10	< 10					< 10			< 10
4-Methyl-2-pentanone	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2016-06	ug/L			< 10	< 10												
4-Methyl-2-pentanone	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2017-11	ug/L																
4-Methyl-2-pentanone	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2018-06	ug/L																
4-Methyl-2-pentanone	2018-08	ug/L	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2018-09	ug/L					< 10						< 10	< 10				
4-Methyl-2-pentanone	2018-11	ug/L																
4-Methyl-2-pentanone	2019-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2020-03	ug/L	< 10	< 10	< 10			< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2020-04	ug/L				< 10	< 10		< 10									
4-Methyl-2-pentanone	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2021-03	ug/L							< 10	< 10	< 10	< 10						
4-Methyl-2-pentanone	2021-08	ug/L	< 10	< 10	< 10	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2022-03	ug/L							< 10	< 10	< 10	< 10						
4-Methyl-2-pentanone	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2023-01	ug/L															< 10	
4-Methyl-2-pentanone	2023-03	ug/L							< 10	< 10	< 10	< 10					< 10	
4-Methyl-2-pentanone	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2024-03	ug/L							< 10	< 10	< 10	< 10						
4-Methyl-2-pentanone	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2025-03	ug/L							< 10	< 10	< 10	< 10						
4-Methyl-2-pentanone	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Nitroaniline	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
4-Nitroaniline	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Nitroaniline	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
4-Nitroaniline	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
4-Nitroaniline	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
4-Nitroaniline	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
4-Nitroaniline	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
4-Nitroaniline	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
4-Nitroaniline	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
4-Nitroaniline	2016-03	ug/L			< 11.1	< 11.2												
4-Nitroaniline	2016-06	ug/L			< 11.4	< 11.4												

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
4-Methyl-2-pentanone	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0										
4-Methyl-2-pentanone	2009-09	ug/L	< 10.0	< 50.0	< 10.0	< 10.0	< 10.0										
4-Methyl-2-pentanone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Methyl-2-pentanone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Methyl-2-pentanone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Methyl-2-pentanone	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Methyl-2-pentanone	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Methyl-2-pentanone	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Methyl-2-pentanone	2013-03	ug/L	< 10	< 10	< 250		< 10.0	< 10	< 10								
4-Methyl-2-pentanone	2013-05	ug/L															
4-Methyl-2-pentanone	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
4-Methyl-2-pentanone	2013-11	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
4-Methyl-2-pentanone	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
4-Methyl-2-pentanone	2014-06	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
4-Methyl-2-pentanone	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10		
4-Methyl-2-pentanone	2015-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
4-Methyl-2-pentanone	2015-09	ug/L		< 10		< 10	< 10	< 10	< 10								
4-Methyl-2-pentanone	2015-10	ug/L	< 10		< 10					< 10	< 10	< 10	< 10	< 10	< 10		
4-Methyl-2-pentanone	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
4-Methyl-2-pentanone	2016-06	ug/L															
4-Methyl-2-pentanone	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
4-Methyl-2-pentanone	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
4-Methyl-2-pentanone	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
4-Methyl-2-pentanone	2017-11	ug/L														< 10	< 10
4-Methyl-2-pentanone	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2018-06	ug/L														< 10	< 10
4-Methyl-2-pentanone	2018-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10			
4-Methyl-2-pentanone	2018-09	ug/L													< 10	< 10	< 10
4-Methyl-2-pentanone	2018-11	ug/L														< 10	< 10
4-Methyl-2-pentanone	2019-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2020-03	ug/L	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10
4-Methyl-2-pentanone	2020-04	ug/L			< 10									< 10			
4-Methyl-2-pentanone	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
4-Methyl-2-pentanone	2021-03	ug/L		< 10			< 10			< 10							
4-Methyl-2-pentanone	2021-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
4-Methyl-2-pentanone	2022-03	ug/L		< 10			< 10			< 10							
4-Methyl-2-pentanone	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
4-Methyl-2-pentanone	2023-01	ug/L															
4-Methyl-2-pentanone	2023-03	ug/L		< 10			< 10			< 10							
4-Methyl-2-pentanone	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
4-Methyl-2-pentanone	2024-03	ug/L		< 10			< 10			< 10							
4-Methyl-2-pentanone	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
4-Methyl-2-pentanone	2025-03	ug/L		< 10			< 10			< 10							
4-Methyl-2-pentanone	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
4-Nitroaniline	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
4-Nitroaniline	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
4-Nitroaniline	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
4-Nitroaniline	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Nitroaniline	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Nitroaniline	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
4-Nitroaniline	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
4-Nitroaniline	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
4-Nitroaniline	2015-10	ug/L	< 11.8		< 10.3					< 11							
4-Nitroaniline	2016-03	ug/L					< 10.9			< 11.2							
4-Nitroaniline	2016-06	ug/L															

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Nitroaniline	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
4-Nitroaniline	2023-01	ug/L															< 10.9	
4-Nitroaniline	2023-03	ug/L															< 10.4	
4-Nitroaniline	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
4-Nitrophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
4-Nitrophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Nitrophenol	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
4-Nitrophenol	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
4-Nitrophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
4-Nitrophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	**0.120 J**		< 10.0	< 10.0	< 10.0	< 10.0	
4-Nitrophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
4-Nitrophenol	2011-09	ug/L										< 10.0						
4-Nitrophenol	2012-03	ug/L										< 10.0						
4-Nitrophenol	2012-09	ug/L										< 10.0						
4-Nitrophenol	2013-03	ug/L										< 10.6						
4-Nitrophenol	2013-09	ug/L										< 10.2						
4-Nitrophenol	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
4-Nitrophenol	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
4-Nitrophenol	2016-03	ug/L			< 11.1	< 11.2												
4-Nitrophenol	2016-06	ug/L			< 11.4	< 11.4												
4-Nitrophenol	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
4-Nitrophenol	2023-01	ug/L															< 10.9	
4-Nitrophenol	2023-03	ug/L															< 10.4	
4-Nitrophenol	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
5-Nitro-o-toluidine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
5-Nitro-o-toluidine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
5-Nitro-o-toluidine	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
5-Nitro-o-toluidine	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
5-Nitro-o-toluidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
5-Nitro-o-toluidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
5-Nitro-o-toluidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
5-Nitro-o-toluidine	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
5-Nitro-o-toluidine	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
5-Nitro-o-toluidine	2016-03	ug/L			< 11.1	< 11.2												
5-Nitro-o-toluidine	2016-06	ug/L			< 11.4	< 11.4												
5-Nitro-o-toluidine	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
5-Nitro-o-toluidine	2023-01	ug/L															< 10.9	
5-Nitro-o-toluidine	2023-03	ug/L															< 10.4	
5-Nitro-o-toluidine	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
7,12-Dimethylbenz(a)anthracene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
7,12-Dimethylbenz(a)anthracene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
7,12-Dimethylbenz(a)anthracene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
7,12-Dimethylbenz(a)anthracene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
7,12-Dimethylbenz(a)anthracene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
7,12-Dimethylbenz(a)anthracene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
7,12-Dimethylbenz(a)anthracene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
7,12-Dimethylbenz(a)anthracene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
7,12-Dimethylbenz(a)anthracene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
7,12-Dimethylbenz(a)anthracene	2016-03	ug/L			< 11.1	< 11.2												
7,12-Dimethylbenz(a)anthracene	2016-06	ug/L			< 11.4	< 11.4												
7,12-Dimethylbenz(a)anthracene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
7,12-Dimethylbenz(a)anthracene	2023-01	ug/L															< 10.9	
7,12-Dimethylbenz(a)anthracene	2023-03	ug/L															< 10.4	
7,12-Dimethylbenz(a)anthracene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Acenaphthene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Acenaphthene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
4-Nitroaniline	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
4-Nitroaniline	2023-01	ug/L															
4-Nitroaniline	2023-03	ug/L					< 10			< 10							
4-Nitroaniline	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
4-Nitrophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
4-Nitrophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
4-Nitrophenol	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
4-Nitrophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Nitrophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
4-Nitrophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
4-Nitrophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
4-Nitrophenol	2011-09	ug/L					< 10.0										
4-Nitrophenol	2012-03	ug/L					< 10.0										
4-Nitrophenol	2012-09	ug/L					< 10.0										
4-Nitrophenol	2013-03	ug/L					< 11.8										
4-Nitrophenol	2013-09	ug/L															
4-Nitrophenol	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
4-Nitrophenol	2015-10	ug/L	< 11.8		< 10.3					< 11							
4-Nitrophenol	2016-03	ug/L					< 10.9			< 11.2							
4-Nitrophenol	2016-06	ug/L															
4-Nitrophenol	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
4-Nitrophenol	2023-01	ug/L															
4-Nitrophenol	2023-03	ug/L					< 10			< 10							
4-Nitrophenol	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
5-Nitro-o-toluidine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
5-Nitro-o-toluidine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
5-Nitro-o-toluidine	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
5-Nitro-o-toluidine	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
5-Nitro-o-toluidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
5-Nitro-o-toluidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
5-Nitro-o-toluidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
5-Nitro-o-toluidine	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
5-Nitro-o-toluidine	2015-10	ug/L	< 11.8		< 10.3					< 11							
5-Nitro-o-toluidine	2016-03	ug/L					< 10.9			< 11.2							
5-Nitro-o-toluidine	2016-06	ug/L															
5-Nitro-o-toluidine	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
5-Nitro-o-toluidine	2023-01	ug/L															
5-Nitro-o-toluidine	2023-03	ug/L					< 10			< 10							
5-Nitro-o-toluidine	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
7,12-Dimethylbenz(a)anthracene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
7,12-Dimethylbenz(a)anthracene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
7,12-Dimethylbenz(a)anthracene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
7,12-Dimethylbenz(a)anthracene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
7,12-Dimethylbenz(a)anthracene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
7,12-Dimethylbenz(a)anthracene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
7,12-Dimethylbenz(a)anthracene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
7,12-Dimethylbenz(a)anthracene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
7,12-Dimethylbenz(a)anthracene	2015-10	ug/L	< 11.8		< 10.3					< 11							
7,12-Dimethylbenz(a)anthracene	2016-03	ug/L					< 10.9			< 11.2							
7,12-Dimethylbenz(a)anthracene	2016-06	ug/L															
7,12-Dimethylbenz(a)anthracene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
7,12-Dimethylbenz(a)anthracene	2023-01	ug/L															
7,12-Dimethylbenz(a)anthracene	2023-03	ug/L					< 10			< 10							
7,12-Dimethylbenz(a)anthracene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Acenaphthene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Acenaphthene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Acenaphthene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Acenaphthene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Acenaphthene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Acenaphthene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Acenaphthene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Acenaphthene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Acenaphthene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Acenaphthene	2016-03	ug/L			< 11.1	< 11.2												
Acenaphthene	2016-06	ug/L			< 11.4	< 11.4												
Acenaphthene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Acenaphthene	2023-01	ug/L															< 10.9	
Acenaphthene	2023-03	ug/L															< 10.4	
Acenaphthene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Acenaphthylene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Acenaphthylene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acenaphthylene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Acenaphthylene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Acenaphthylene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Acenaphthylene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Acenaphthylene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Acenaphthylene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Acenaphthylene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Acenaphthylene	2016-03	ug/L			< 11.1	< 11.2												
Acenaphthylene	2016-06	ug/L			< 11.4	< 11.4												
Acenaphthylene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Acenaphthylene	2023-01	ug/L															< 10.9	
Acenaphthylene	2023-03	ug/L															< 10.4	
Acenaphthylene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Acetone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**236**	< 10
Acetone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**10.1**	< 10	< 10
Acetone	2009-07	ug/L	< 10	**11.0**		< 10		< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	
Acetone	2009-09	ug/L	< 10	< 10.0		< 10.0		< 10.0	< 10.0	< 50.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	
Acetone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	**24.4**	< 10.0	< 10.0
Acetone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 100	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetone	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetone	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetone	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetone	2013-03	ug/L	< 10.0	< 10		**3.11 J**	< 10.0		< 10	**3.33 J**	**2.26 J**	< 10	< 10	< 10	< 10.0	< 10.0	**2.18 J**	< 10
Acetone	2013-05	ug/L			< 10.0			< 10.0										
Acetone	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetone	2013-11	ug/L																
Acetone	2014-03	ug/L	< 10.0	< 10.0	< 10.0 J	< 10.0	< 10.0 J	< 10.0	**7.87 J**	< 10.0 J	< 10.0 J	< 10.0 J	< 10.0	< 10.0	< 10.0 J	**3.43 J**	< 10.0	**2.84 J**
Acetone	2014-06	ug/L																
Acetone	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10 J	< 10 J	< 10 J	< 10 J	< 10 J	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	2015-03	ug/L	< 10	< 10 J	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0 J	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Acetone	2015-09	ug/L	< 10	< 10		< 10	< 10	< 10			< 10	< 10	< 10	< 10		< 10	< 10	
Acetone	2015-10	ug/L			**4.88 J**				**4.72 J**	**10.1**					< 10			< 10
Acetone	2016-03	ug/L	< 10	< 10	**6.52 J**	< 10 J	< 10 J	< 10	< 10	< 10 J	< 10 J	< 10	< 10 J	< 10	< 10	**4.29 J**	< 10	< 10
Acetone	2016-06	ug/L			< 10	< 10												
Acetone	2016-08	ug/L	< 10	< 10	< 10	**2.52 J**	< 10	< 10	< 10	**6.87 J**	**2.18 J**	**3.06 J**	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	2017-03	ug/L	< 10	**3.52 J**	< 10	**3.5 J**	**2.73 J**	**3.25 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**6.98 J**	< 10	< 10
Acetone	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	2017-11	ug/L																
Acetone	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	2018-06	ug/L																

Cedar Rapids Linn County Solid Waste Agency Site 1
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Table 14
Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Acenaphthene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Acenaphthene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acenaphthene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acenaphthene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Acenaphthene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Acenaphthene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Acenaphthene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Acenaphthene	2016-03	ug/L					< 10.9			< 11.2							
Acenaphthene	2016-06	ug/L															
Acenaphthene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Acenaphthene	2023-01	ug/L															
Acenaphthene	2023-03	ug/L					< 10			< 10							
Acenaphthene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Acenaphthylene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Acenaphthylene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Acenaphthylene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Acenaphthylene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acenaphthylene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acenaphthylene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Acenaphthylene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Acenaphthylene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Acenaphthylene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Acenaphthylene	2016-03	ug/L					< 10.9			< 11.2							
Acenaphthylene	2016-06	ug/L															
Acenaphthylene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Acenaphthylene	2023-01	ug/L															
Acenaphthylene	2023-03	ug/L					< 10			< 10							
Acenaphthylene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Acetone	2008-08	ug/L	**33.6**	< 10	< 10	< 10	< 10	< 10	< 10								
Acetone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Acetone	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0										
Acetone	2009-09	ug/L	< 10.0	< 50.0	**26.1**	< 10.0	< 10.0										
Acetone	2010-03	ug/L	< 10.0	< 10.0	**15.7**	< 10.0	< 10.0	< 10.0	**10.4**								
Acetone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acetone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acetone	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acetone	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acetone	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acetone	2013-03	ug/L	< 10	**2.3 J**	**896**		< 10.0	< 10	< 10								
Acetone	2013-05	ug/L															
Acetone	2013-09	ug/L	< 10.0 J	< 10.0	**832**	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	**6.50 J**	< 10.0		
Acetone	2013-11	ug/L									< 10.0	< 10.0	**4.42 J**	< 10.0	< 10.0		
Acetone	2014-03	ug/L	< 10.0	**2.26 J**	< 10.0 J	**7.07 J**	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	**1.94 J**	< 10.0		
Acetone	2014-06	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Acetone	2014-09	ug/L	< 10	**3.09 J**	< 10 J	< 10	< 10	< 10	< 10		< 10	**1.96 J**	< 10	< 10	< 10		
Acetone	2015-03	ug/L	< 10.0	< 10.0	< 10.0 J	< 10.0	< 10	< 10	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Acetone	2015-09	ug/L		< 10		< 10	< 10	< 10	< 10								
Acetone	2015-10	ug/L	< 10		**3.66 J**					< 10	< 10	< 10	< 10	< 10	< 10		
Acetone	2016-03	ug/L	< 10	< 10 J	< 10 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	< 10	< 10 J		
Acetone	2016-06	ug/L															
Acetone	2016-08	ug/L	< 10	< 10	**18.6**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**3.14 J**	< 10	< 10		
Acetone	2017-03	ug/L	< 10	< 10	**4.7 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Acetone	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Acetone	2017-11	ug/L														< 10	< 10
Acetone	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	2018-06	ug/L														< 10	< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Acetone	2018-08	ug/L	< 10	< 10	< 10	**4.54 J**		< 10	**3.41 J**	**8.44 J**	**3.65 J**	< 10			< 10	< 10	< 10	< 10
Acetone	2018-09	ug/L					**7.88 J**						< 10	< 10				
Acetone	2018-11	ug/L																
Acetone	2019-03	ug/L	< 10	< 10	< 10	< 10	**7.44 J**	< 10	**3.79 J**	**4.81 J**	**5.81 J**	**5.48 J**	< 10	**4.07 J**	< 10	< 10	< 10	< 10
Acetone	2019-08	ug/L	< 10	< 10	< 10	**3.69 J**	< 10	< 10	< 10	**4.72 J**	< 10	< 10	< 10	< 10	< 10	< 10	**19**	< 10
Acetone	2020-03	ug/L	< 10	< 10	< 10			< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	2020-04	ug/L				< 10	**3.27 J**		< 10									
Acetone	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	2021-03	ug/L							< 10	**16.2**	< 10	< 10						
Acetone	2021-08	ug/L	< 10	< 10	< 10	< 10	< 100	< 10	**3.43 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**4.3 J**	< 10
Acetone	2022-03	ug/L							< 10	**48.2**	< 10	< 10						
Acetone	2022-08	ug/L	< 10	**6.14 J**	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	2023-01	ug/L															< 10	
Acetone	2023-03	ug/L							< 10	< 10	< 10	< 10					**11.6**	
Acetone	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	**6.28 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	2024-03	ug/L							< 10	**5.01 J**	< 10	< 10						
Acetone	2024-08	ug/L	< 10	< 10	< 10	**4.64 J**	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	2025-03	ug/L							< 10	< 10	< 10	< 10						
Acetone	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	**4.58 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetonitrile	2008-08	mg/L	< 10			< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10
Acetonitrile	2009-03	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetonitrile	2010-09	mg/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Acetonitrile	2015-09	mg/L	< 10	< 10			< 10	< 10			< 10	< 10	< 10	< 10		< 10	< 10	
Acetonitrile	2015-10	mg/L							< 10	< 10					< 10			< 10
Acetonitrile	2016-03	mg/L			< 10	< 10												
Acetonitrile	2016-06	mg/L			< 10	< 10												
Acetonitrile	2020-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetonitrile	2023-01	mg/L															< 10	
Acetonitrile	2023-03	mg/L															< 10	
Acetonitrile	2025-08	mg/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10
Acetophenone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Acetophenone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetophenone	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Acetophenone	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Acetophenone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Acetophenone	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Acetophenone	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Acetophenone	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Acetophenone	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Acetophenone	2016-03	ug/L			< 11.1	< 11.2												
Acetophenone	2016-06	ug/L			< 11.4	< 11.4												
Acetophenone	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Acetophenone	2023-01	ug/L															< 10.9	
Acetophenone	2023-03	ug/L															< 10.4	
Acetophenone	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Acrolein	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrolein	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrolein	2009-07	ug/L	< 10	< 10.0		< 10		< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	
Acrolein	2009-09	ug/L	< 10	< 10.0		< 10.0		< 10.0	< 10.0	< 50.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	
Acrolein	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrolein	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Acrolein	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	
Acrolein	2012-09	ug/L														< 10.0		
Acrolein	2015-09	ug/L	< 10	< 10			< 10	< 10			< 10	< 10	< 10	< 10		< 10	< 10	
Acrolein	2015-10	ug/L							< 10	< 10					< 10			< 10
Acrolein	2016-03	ug/L			< 10	< 10												

Table 14

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Acetone	2018-08	ug/L	< 10	**4.05 J**	**3.71 J**	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10			
Acetone	2018-09	ug/L													< 10	< 10	< 10
Acetone	2018-11	ug/L														< 10	< 10
Acetone	2019-03	ug/L	< 10	< 10	< 10	**4.04 J**	< 10	< 10	< 10	< 10		**5.1 J**	< 10	< 10	< 10	**4.2 J**	< 10
Acetone	2019-08	ug/L	< 10	< 10	**4.67 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**5.27 J**	< 10	< 10	< 10
Acetone	2020-03	ug/L	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10
Acetone	2020-04	ug/L			**3.49 J**									< 10			
Acetone	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Acetone	2021-03	ug/L		< 10			< 10			< 10							
Acetone	2021-08	ug/L	< 10	**5.82 J**	< 10	< 10	< 10	< 10	**6.69 J+**	< 10			< 10	**4.06 J**	< 10		< 10
Acetone	2022-03	ug/L		< 10			< 10			< 10							
Acetone	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	**9.8 J**	< 10			< 10	< 10	< 10		< 10
Acetone	2023-01	ug/L															
Acetone	2023-03	ug/L		< 10			< 10			< 10							
Acetone	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Acetone	2024-03	ug/L		**3.98 J**			< 10			< 10							
Acetone	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Acetone	2025-03	ug/L		< 10			< 10			< 10							
Acetone	2025-08	ug/L	< 10	**13.2**	**12.7**	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Acetonitrile	2008-08	mg/L		< 10	< 10	< 10											
Acetonitrile	2009-03	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Acetonitrile	2010-09	mg/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Acetonitrile	2015-09	mg/L		< 10		< 10	< 10	< 10	< 10								
Acetonitrile	2015-10	mg/L	< 10		< 10					< 10							
Acetonitrile	2016-03	mg/L					< 10			< 10							
Acetonitrile	2016-06	mg/L															
Acetonitrile	2020-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10							
Acetonitrile	2023-01	mg/L															
Acetonitrile	2023-03	mg/L					< 10			< 10							
Acetonitrile	2025-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10							
Acetophenone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Acetophenone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Acetophenone	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Acetophenone	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acetophenone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acetophenone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Acetophenone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Acetophenone	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Acetophenone	2015-10	ug/L	< 11.8		< 10.3					< 11							
Acetophenone	2016-03	ug/L					< 10.9			< 11.2							
Acetophenone	2016-06	ug/L															
Acetophenone	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Acetophenone	2023-01	ug/L															
Acetophenone	2023-03	ug/L					< 10			< 10							
Acetophenone	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Acrolein	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Acrolein	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Acrolein	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0										
Acrolein	2009-09	ug/L	< 10.0	< 50.0	< 10.0	< 10.0	< 10.0										
Acrolein	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acrolein	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Acrolein	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Acrolein	2012-09	ug/L				< 10.0											
Acrolein	2015-09	ug/L		< 10		< 10	< 10	< 10	< 10								
Acrolein	2015-10	ug/L	< 10		< 10					< 10							
Acrolein	2016-03	ug/L					< 10			< 10							

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Acrolein	2016-06	ug/L			< 10	< 10												
Acrolein	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrolein	2023-01	ug/L															< 10	
Acrolein	2023-03	ug/L															< 10	
Acrolein	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10
Acrylonitrile	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	2009-07	ug/L	< 10	< 10.0		< 10		< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	
Acrylonitrile	2009-09	ug/L	< 10	< 10.0		< 10.0		< 10.0	< 10.0	< 50.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	
Acrylonitrile	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrylonitrile	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrylonitrile	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 100	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrylonitrile	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrylonitrile	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrylonitrile	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrylonitrile	2013-03	ug/L	< 10.0	< 10		< 10.0	< 10.0		< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10
Acrylonitrile	2013-05	ug/L			< 10.0			< 10.0										
Acrylonitrile	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrylonitrile	2013-11	ug/L																
Acrylonitrile	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrylonitrile	2014-06	ug/L																
Acrylonitrile	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	2015-03	ug/L	< 10	< 10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Acrylonitrile	2015-09	ug/L	< 10	< 10		< 10	< 10	< 10			< 10	< 10	< 10	< 10		< 10	< 10	
Acrylonitrile	2015-10	ug/L			< 10				< 10	< 10					< 10			< 10
Acrylonitrile	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	2016-06	ug/L			< 10	< 10												
Acrylonitrile	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 5	< 5
Acrylonitrile	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2017-11	ug/L																
Acrylonitrile	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2018-06	ug/L																
Acrylonitrile	2018-08	ug/L	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Acrylonitrile	2018-09	ug/L					< 5						< 5	< 5				
Acrylonitrile	2018-11	ug/L																
Acrylonitrile	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2020-03	ug/L	< 5	< 5	< 5			< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2020-04	ug/L				< 5	< 5		< 5									
Acrylonitrile	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2021-03	ug/L							< 5	< 5	< 5	< 5						
Acrylonitrile	2021-08	ug/L	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2022-03	ug/L							< 5	< 5	< 5	< 5						
Acrylonitrile	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2023-01	ug/L															< 5	
Acrylonitrile	2023-03	ug/L							< 5	< 5	< 5	< 5					< 5	
Acrylonitrile	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2024-03	ug/L							< 5	< 5	< 5	< 5						
Acrylonitrile	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2025-03	ug/L							< 5	< 5	< 5	< 5						
Acrylonitrile	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Aldrin	2008-08	ug/L	< 0.053			< 0.054	< 0.062	< 0.052	< 0.061	< 0.047	< 0.053	< 0.053	< 0.056	< 0.056	< 0.058	< 0.053		< 0.053
Aldrin	2008-09	ug/L		< 0.016	< 0.016												< 0.016	
Aldrin	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Aldrin	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	

Table 14

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Acrolein	2016-06	ug/L															
Acrolein	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10							
Acrolein	2023-01	ug/L															
Acrolein	2023-03	ug/L					< 10			< 10							
Acrolein	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10							
Acrylonitrile	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Acrylonitrile	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Acrylonitrile	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0										
Acrylonitrile	2009-09	ug/L	< 10.0	< 50.0	< 10.0	< 10.0	< 10.0										
Acrylonitrile	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acrylonitrile	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acrylonitrile	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acrylonitrile	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acrylonitrile	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acrylonitrile	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Acrylonitrile	2013-03	ug/L	< 10	< 10	< 250		< 10.0	< 10	< 10								
Acrylonitrile	2013-05	ug/L															
Acrylonitrile	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Acrylonitrile	2013-11	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Acrylonitrile	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Acrylonitrile	2014-06	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Acrylonitrile	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10		
Acrylonitrile	2015-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Acrylonitrile	2015-09	ug/L		< 10		< 10	< 10	< 10	< 10								
Acrylonitrile	2015-10	ug/L	< 10		< 10					< 10	< 10	< 10	< 10	< 10	< 10		
Acrylonitrile	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Acrylonitrile	2016-06	ug/L															
Acrylonitrile	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Acrylonitrile	2017-03	ug/L	< 5	< 10	< 5	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 10	< 10	< 5		
Acrylonitrile	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Acrylonitrile	2017-11	ug/L														**0.795 J**	< 5
Acrylonitrile	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2018-06	ug/L														< 5	< 5
Acrylonitrile	2018-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5			
Acrylonitrile	2018-09	ug/L													< 5	< 5	< 5
Acrylonitrile	2018-11	ug/L														< 5	< 5
Acrylonitrile	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2020-03	ug/L	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5
Acrylonitrile	2020-04	ug/L			< 5									< 5			
Acrylonitrile	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Acrylonitrile	2021-03	ug/L		< 5			< 5			< 5							
Acrylonitrile	2021-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Acrylonitrile	2022-03	ug/L		< 5			< 5			< 5							
Acrylonitrile	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Acrylonitrile	2023-01	ug/L															
Acrylonitrile	2023-03	ug/L		< 5			< 5			< 5							
Acrylonitrile	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Acrylonitrile	2024-03	ug/L		< 5			< 5			< 5							
Acrylonitrile	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Acrylonitrile	2025-03	ug/L		< 5			< 5			< 5							
Acrylonitrile	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Aldrin	2008-08	ug/L		< 0.047	< 0.051	< 0.055											
Aldrin	2008-09	ug/L	< 0.016				< 0.016	< 0.016	< 0.016								
Aldrin	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
Aldrin	2009-07	ug/L					< 0.0320		< 0.0320								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Aldrin	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
Aldrin	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
Aldrin	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
Aldrin	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
Aldrin	2015-09	ug/L	< 0.036	< 0.0356			< 0.0352	< 0.0386			< 0.0337	< 0.0352	< 0.0333	< 0.036		< 0.0356	< 0.0376	
Aldrin	2015-10	ug/L							< 0.04	< 0.0372					< 0.0386			< 0.0368
Aldrin	2016-03	ug/L			< 0.032	< 0.0356												
Aldrin	2016-06	ug/L			< 0.0364	< 0.0364												
Aldrin	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	**0.0062 J**	< 0.0376	< 0.0368	< 0.0386	< 0.0376	< 0.0395	< 0.039	< 0.0381	< 0.04
Aldrin	2023-01	ug/L															< 0.0727	
Aldrin	2023-03	ug/L															< 0.0667	
Aldrin	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954		< 0.0959
Allyl Chloride	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Allyl Chloride	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Allyl Chloride	2009-07	ug/L	< 2	< 2.00		< 2		< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2	< 2	< 2	
Allyl Chloride	2009-09	ug/L	< 2	< 2.00		< 2.00		< 2.00	< 2.00	< 10.0	< 2.00	< 2	< 2	< 2	< 2	< 2	< 2	
Allyl Chloride	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Allyl Chloride	2010-09	ug/L	< 2.00	< 2.00	< 2.00			< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		< 2.00	< 2.00	< 2.00	< 2.00	
Allyl Chloride	2011-03	ug/L	< 4.00	< 4.00	< 4.00			< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	
Allyl Chloride	2012-09	ug/L														< 4.00		
Allyl Chloride	2015-09	ug/L	< 2	< 2			< 2	< 2			< 2	< 2	< 2	< 2		< 2	< 2	
Allyl Chloride	2015-10	ug/L							< 2	< 2					< 2			< 2
Allyl Chloride	2016-03	ug/L			< 2	< 2												
Allyl Chloride	2016-06	ug/L			< 2	< 2												
Allyl Chloride	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Allyl Chloride	2023-01	ug/L															< 2	
Allyl Chloride	2023-03	ug/L															< 2	
Allyl Chloride	2025-08	ug/L	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		< 2
alpha-BHC	2008-08	ug/L	< 0.053			< 0.054	< 0.062	< 0.052	< 0.061	< 0.047	< 0.053	< 0.053	< 0.056	< 0.056	< 0.058	< 0.053		< 0.053
alpha-BHC	2008-09	ug/L		< 0.016	< 0.016												**0.326**	
alpha-BHC	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
alpha-BHC	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	
alpha-BHC	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
alpha-BHC	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
alpha-BHC	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
alpha-BHC	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
alpha-BHC	2011-09	ug/L															< 0.0320	
alpha-BHC	2012-03	ug/L															< 0.0320	
alpha-BHC	2012-09	ug/L															< 0.0320	
alpha-BHC	2013-03	ug/L															**0.00223 J**	
alpha-BHC	2013-09	ug/L															< 0.0323	
alpha-BHC	2014-03	ug/L															< 0.0330	
alpha-BHC	2014-09	ug/L															< 0.0381	
alpha-BHC	2015-03	ug/L															**0.00308 J**	
alpha-BHC	2015-09	ug/L	< 0.036	< 0.0356			< 0.0352	< 0.0386			< 0.0337	< 0.0352	< 0.0333	< 0.036		< 0.0356	< 0.0376	
alpha-BHC	2015-10	ug/L							< 0.04	< 0.0372					< 0.0386			< 0.0368
alpha-BHC	2016-03	ug/L			< 0.032	< 0.0356											< 0.0333	
alpha-BHC	2016-06	ug/L			< 0.0364	< 0.0364												
alpha-BHC	2016-08	ug/L															< 0.036	
alpha-BHC	2017-03	ug/L															< 0.0381	
alpha-BHC	2017-08	ug/L															< 0.178	
alpha-BHC	2018-03	ug/L															< 0.0372	
alpha-BHC	2018-08	ug/L															< 0.0352	
alpha-BHC	2019-03	ug/L															< 0.039	
alpha-BHC	2019-08	ug/L															< 0.0327	
alpha-BHC	2020-03	ug/L															< 0.0356	

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Aldrin	2009-09	ug/L					< 0.0320		< 0.0320								
Aldrin	2010-03	ug/L					< 0.0320		< 0.0320								
Aldrin	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
Aldrin	2011-03	ug/L					< 0.0320										
Aldrin	2015-09	ug/L		< 0.0352		< 0.0356	< 0.0368	< 0.0356	< 0.0352								
Aldrin	2015-10	ug/L	< 0.0372		< 0.0356					< 0.0372							
Aldrin	2016-03	ug/L					< 0.0333			< 0.0356							
Aldrin	2016-06	ug/L															
Aldrin	2020-08	ug/L	< 0.039	< 0.0376	< 0.0337	< 0.0386	< 0.0438	< 0.0368	< 0.0356	< 0.0352							
Aldrin	2023-01	ug/L															
Aldrin	2023-03	ug/L					< 0.0696			< 0.064							
Aldrin	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
Allyl Chloride	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2								
Allyl Chloride	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2								
Allyl Chloride	2009-07	ug/L	< 2.00	< 2	< 2	< 2	< 2.00										
Allyl Chloride	2009-09	ug/L	< 2.00	< 10.0	< 2.00	< 2.00	< 2.00										
Allyl Chloride	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								
Allyl Chloride	2010-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00										
Allyl Chloride	2011-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00									
Allyl Chloride	2012-09	ug/L				< 4.00											
Allyl Chloride	2015-09	ug/L		< 2		< 2	< 2	< 2	< 2								
Allyl Chloride	2015-10	ug/L	< 2		< 2					< 2							
Allyl Chloride	2016-03	ug/L					< 2			< 2							
Allyl Chloride	2016-06	ug/L															
Allyl Chloride	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2							
Allyl Chloride	2023-01	ug/L															
Allyl Chloride	2023-03	ug/L					< 2			< 2							
Allyl Chloride	2025-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2							
alpha-BHC	2008-08	ug/L		< 0.047	< 0.051	< 0.055											
alpha-BHC	2008-09	ug/L	< 0.016				< 0.016	< 0.016	< 0.016								
alpha-BHC	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
alpha-BHC	2009-07	ug/L					< 0.0320		< 0.0320								
alpha-BHC	2009-09	ug/L					< 0.0320		< 0.0320								
alpha-BHC	2010-03	ug/L					< 0.0320		< 0.0320								
alpha-BHC	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
alpha-BHC	2011-03	ug/L					< 0.0320										
alpha-BHC	2011-09	ug/L					< 0.0320										
alpha-BHC	2012-03	ug/L					< 0.0320		< 0.0320								
alpha-BHC	2012-09	ug/L															
alpha-BHC	2013-03	ug/L					< 0.0333										
alpha-BHC	2013-09	ug/L															
alpha-BHC	2014-03	ug/L					< 0.0348										
alpha-BHC	2014-09	ug/L					< 0.032										
alpha-BHC	2015-03	ug/L					< 0.036										
alpha-BHC	2015-09	ug/L		< 0.0352		< 0.0356	< 0.0368	< 0.0356	< 0.0352								
alpha-BHC	2015-10	ug/L	< 0.0372		< 0.0356					< 0.0372							
alpha-BHC	2016-03	ug/L					**0.00294 J**			< 0.0356							
alpha-BHC	2016-06	ug/L															
alpha-BHC	2016-08	ug/L					< 0.0356			< 0.0356							
alpha-BHC	2017-03	ug/L					< 0.0337			< 0.0372							
alpha-BHC	2017-08	ug/L					< 0.0356			< 0.0356							
alpha-BHC	2018-03	ug/L					< 0.0444			< 0.0372							
alpha-BHC	2018-08	ug/L					< 0.0451			< 0.0381							
alpha-BHC	2019-03	ug/L					< 0.039			< 0.0395							
alpha-BHC	2019-08	ug/L					**0.00189 J**			**0.00209 J**							
alpha-BHC	2020-03	ug/L					< 0.0427			< 0.0376							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
alpha-BHC	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.0416	< 0.0376	< 0.0368	< 0.0386	< 0.0376	< 0.0395	< 0.039	< 0.0381	< 0.04
alpha-BHC	2021-08	ug/L															< 0.0356	
alpha-BHC	2023-01	ug/L															< 0.0727	
alpha-BHC	2023-03	ug/L															< 0.0667	
alpha-BHC	2023-08	ug/L															< 0.0604	
alpha-BHC	2024-08	ug/L															< 0.064	
alpha-BHC	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954	< 0.0904	< 0.0959
Anthracene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Anthracene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Anthracene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Anthracene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Anthracene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Anthracene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Anthracene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Anthracene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Anthracene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Anthracene	2016-03	ug/L			< 11.1	< 11.2												
Anthracene	2016-06	ug/L			< 11.4	< 11.4												
Anthracene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Anthracene	2023-01	ug/L															< 10.9	
Anthracene	2023-03	ug/L															< 10.4	
Anthracene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Antimony	2008-08	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Antimony	2009-03	mg/L	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Antimony	2010-03	mg/L	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600
Antimony	2010-09	mg/L	**0.0106**	< 0.00600	< 0.00600	**0.00784**	**0.00686**	**0.00985 J**	**0.0109**	**0.00760**	**0.00934**	**0.0212 J**	**0.0105**	**0.00779**	**0.00840**	< 0.00600	< 0.00600	**0.00942**
Antimony	2011-03	mg/L	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600
Antimony	2011-09	mg/L	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	**0.00747**	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600
Antimony	2012-03	mg/L	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600
Antimony	2012-09	mg/L	< 0.0120	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.0120	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600
Antimony	2013-03	mg/L	**0.00579 J**	< 0.006		< 0.00600	**0.00131 J**		**0.000841 J**	< 0.006	< 0.006	< 0.006	< 0.006	< 0.006	**0.00202 J**	< 0.00600	< 0.006	< 0.006 J
Antimony	2013-05	mg/L			< 0.00600			< 0.00600										
Antimony	2013-09	mg/L	**0.00408 J**	**0.00222 J**	**0.00241 J**	**0.00588 J**	**0.00709**	**0.0105**	**0.0117**	**0.00901**	**0.0121**	**0.00945**	**0.00896**	**0.00823**	**0.00745**	< 0.00600	< 0.00600	< 0.00600
Antimony	2013-11	mg/L																
Antimony	2014-03	mg/L	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600
Antimony	2014-06	mg/L																
Antimony	2014-09	mg/L	< 0.001	< 0.001	< 0.001	**0.000593 J**	**0.000529 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000426 J**	**0.000248 J**	**0.000183 J**
Antimony	2015-03	mg/L	< 0.001	**0.000438 J**	< 0.00100	**0.000615 J**	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.001	< 0.001	< 0.00100	< 0.00100	< 0.001	< 0.001	< 0.001	< 0.00100
Antimony	2015-09	mg/L	< 0.001	< 0.001		**0.00119**	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	
Antimony	2015-10	mg/L			< 0.001				< 0.001	< 0.001					< 0.001			< 0.001
Antimony	2016-03	mg/L	< 0.001	< 0.001	< 0.001	**0.00126**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2016-06	mg/L			< 0.001	**0.00097 J**												
Antimony	2016-08	mg/L	< 0.001	< 0.001	< 0.001	**0.00247**	< 0.001	< 0.001	**0.001**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2017-03	mg/L	< 0.001	< 0.001	< 0.001	**0.000848 J**	**0.000299 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.0003 J**	< 0.001	< 0.001	< 0.001
Antimony	2017-08	mg/L	< 0.001	< 0.001	< 0.001	**0.000568 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2017-11	mg/L																
Antimony	2018-03	mg/L	**0.000496 J**	**0.00049 J**	< 0.001	**0.00147**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.00124**	< 0.001
Antimony	2018-06	mg/L																
Antimony	2018-08	mg/L	< 0.001	< 0.001	**0.00233**	**0.00156**		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2018-09	mg/L					< 0.001						< 0.001	< 0.001				
Antimony	2018-11	mg/L																
Antimony	2019-03	mg/L	< 0.001	< 0.001	< 0.001	**0.000854 J**	< 0.001	< 0.001	< 0.001	< 0.001	**0.000677 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2019-08	mg/L	< 0.001	< 0.001	< 0.001	**0.00279**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2020-03	mg/L	< 0.001	< 0.001	< 0.001			< 0.001		< 0.001	< 0.004	< 0.001	< 0.001	< 0.004	< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2020-04	mg/L				**0.000861 J**	< 0.001		< 0.001									
Antimony	2020-08	mg/L	< 0.001	< 0.001	< 0.001	**0.00117**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
alpha-BHC	2020-08	ug/L	< 0.039	< 0.0376	**0.0804 J**	< 0.0386	< 0.0438	< 0.0368	< 0.0356	< 0.0352							
alpha-BHC	2021-08	ug/L					< 0.04			< 0.0368							
alpha-BHC	2023-01	ug/L															
alpha-BHC	2023-03	ug/L					< 0.0696			< 0.064							
alpha-BHC	2023-08	ug/L					< 0.0604			< 0.0711							
alpha-BHC	2024-08	ug/L					< 0.064			< 0.0696							
alpha-BHC	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
Anthracene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Anthracene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Anthracene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Anthracene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Anthracene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Anthracene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Anthracene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Anthracene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Anthracene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Anthracene	2016-03	ug/L					< 10.9			< 11.2							
Anthracene	2016-06	ug/L															
Anthracene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Anthracene	2023-01	ug/L															
Anthracene	2023-03	ug/L					< 10			< 10							
Anthracene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Antimony	2008-08	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003								
Antimony	2009-03	mg/L	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004								
Antimony	2010-03	mg/L	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600								
Antimony	2010-09	mg/L	**0.00603**	< 0.00600	**0.00668**	**0.0180 J**	**0.00739**	< 0.00600	**0.00658**								
Antimony	2011-03	mg/L	< 0.00600	< 0.00600	< 0.0120	< 0.00600	< 0.00600	< 0.00600	< 0.00600								
Antimony	2011-09	mg/L	< 0.00600	**0.0213**	< 0.00600	**0.00721**	< 0.00600	< 0.00600	< 0.00600								
Antimony	2012-03	mg/L	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600								
Antimony	2012-09	mg/L	< 0.00600	< 0.00600	< 0.00600	< 0.0120	< 0.00600	< 0.00600	< 0.00600								
Antimony	2013-03	mg/L	**0.00649**	< 0.006	**0.00395 J**		< 0.00600	**0.00508 J**	**0.00357 J**								
Antimony	2013-05	mg/L															
Antimony	2013-09	mg/L	**0.00760**	**0.00288 J**	**0.00986**	**0.00872**	**0.00153 J**	**0.00161 J**	**0.00354 J**	~~< 0.00600~~	< 0.00600	**0.00513 J**	< 0.00600	< 0.00600	**0.00579 J**		
Antimony	2013-11	mg/L								~~< 0.00600~~	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600		
Antimony	2014-03	mg/L	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	~~< 0.00600~~	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600		
Antimony	2014-06	mg/L								~~< 0.00600~~	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600		
Antimony	2014-09	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	**0.000292 J**	< 0.001	< 0.001	~~< 0.001~~	< 0.001	< 0.001	**0.000218 J**	< 0.001	< 0.001		
Antimony	2015-03	mg/L	< 0.00100	**0.000274 J**	**0.000162 J**	**0.000163 J**	< 0.001	**0.000441 J**	< 0.001	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100		
Antimony	2015-09	mg/L		< 0.001		< 0.001	< 0.001	< 0.001	< 0.001								
Antimony	2015-10	mg/L	< 0.001		< 0.001					< 0.001	< 0.001	< 0.001	**0.000296 J**	< 0.001	< 0.001		
Antimony	2016-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	**0.000265 J**	< 0.001	< 0.001	< 0.001	< 0.001	**0.000321 J**	< 0.001	< 0.001	< 0.001		
Antimony	2016-06	mg/L															
Antimony	2016-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	**0.000466 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000307 J**	< 0.001	< 0.001		
Antimony	2017-03	mg/L	**0.000394 J**	**0.000352 J**	< 0.001	< 0.001	**0.0003 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000221 J**	< 0.001	**0.000253 J**		
Antimony	2017-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	**0.00021 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.0003 J**	< 0.001	< 0.001		
Antimony	2017-11	mg/L														< 0.001	< 0.001
Antimony	2018-03	mg/L	< 0.001	< 0.001	**0.00039 J**	**0.000284 J**	**0.000301 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000215 J**	< 0.001	< 0.001	< 0.001	**0.000531 J**
Antimony	2018-06	mg/L														< 0.001	< 0.001
Antimony	2018-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001			
Antimony	2018-09	mg/L													< 0.001	< 0.001	< 0.001
Antimony	2018-11	mg/L														< 0.001	< 0.001
Antimony	2019-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000625 J**
Antimony	2019-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2020-03	mg/L	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	**0.000702 J**
Antimony	2020-04	mg/L			< 0.001									< 0.001			
Antimony	2020-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Antimony	2021-03	mg/L							< 0.002	< 0.002	< 0.002	< 0.002						
Antimony	2021-08	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	**0.0011 J**	< 0.002	< 0.002
Antimony	2022-03	mg/L							< 0.002	< 0.008	< 0.002	< 0.002						
Antimony	2022-08	mg/L	< 0.002 J	< 0.002	< 0.002	**0.0042**	**0.000918 J**		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Antimony	2023-01	mg/L															< 0.002	
Antimony	2023-03	mg/L							< 0.002	< 0.002	< 0.002	< 0.002					< 0.002	
Antimony	2023-08	mg/L	< 0.002	< 0.002	< 0.002	**0.00104 J**	< 0.002		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Antimony	2024-03	mg/L							< 0.002	< 0.002	< 0.002	< 0.002						
Antimony	2024-08	mg/L	< 0.002	< 0.002	< 0.002	**0.00282**	< 0.002		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Antimony	2025-03	mg/L							**0.00132 J**	< 0.002	< 0.002	< 0.002						
Antimony	2025-08	mg/L	< 0.002	< 0.002	< 0.002	**0.00191 J**	< 0.002		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	**0.00118 J**	< 0.002	< 0.002
Arsenic	2008-08	mg/L	**0.0791**	**0.0435**	**0.0033**	**0.0082**	**0.008**	**0.056**	**0.113**	**0.0223**	**0.0368**	**0.0443**	~~**0.0216**~~	**0.003**	< 0.001	**0.0372**	**0.0015**	< 0.001
Arsenic	2009-03	mg/L	**0.0916**	**0.0219**	**0.0026**	**0.0066**	**0.0028**	**0.0412**	**0.1632**	**0.0160**	**0.0739**	**0.0586**	~~**0.0332**~~	**0.0038**	< 0.001	**0.0231**	**0.0047**	**0.0034**
Arsenic	2009-07	mg/L	**0.209**	**0.202**	**0.0024**	**0.0033**	**0.0036**	**0.0387**	**0.15**	**0.0355**	**0.0722**	**0.0479**	~~**0.0221**~~	**0.0013**	**0.0014**	**0.0463**	**0.0039**	**0.0026**
Arsenic	2009-09	mg/L	**0.0716**	**0.0159**	**0.00204**	**0.00310**	**0.00313**	**0.0468**	**0.137**	**0.0231**	**0.0410**	**0.0512**	~~**0.021**~~	**0.0028**	**0.00187**	**0.0513**	**0.00245**	**0.00145**
Arsenic	2010-03	mg/L	**0.00949**	**0.0184**	**0.00317**	< 0.00100	**0.0122**	**0.0278**	**0.177**	**0.0139**	**0.114**	**0.0209**	~~**0.0116**~~	**0.00177**	< 0.00100	**0.0443**	**0.00677**	**0.00334**
Arsenic	2010-09	mg/L	**0.0636**	**0.0167**	**0.00728**	< 0.00100	**0.00233**	**0.0680 J**	**0.163**	**0.0355**	**0.0869**	**0.0699 J**	~~**0.0234**~~	**0.00313**	< 0.00100	< 0.00300	**0.00781**	**0.0103**
Arsenic	2011-03	mg/L	**0.0741**	**0.0165**	**0.00252**	< 0.00200	**0.0128**	**0.0386**	**0.238**	**0.0421**	**0.104**	**0.0665**	~~**0.0105**~~	< 0.00100	< 0.00200	**0.0539**	**0.00629**	< 0.00100
Arsenic	2011-09	mg/L	**0.0509**	**0.0138**	**0.00422**	< 0.00200	**0.00381**	**0.0468**	**0.169**	**0.0341**	**0.0704**	**0.0516**	~~**0.0146**~~	**0.00765**	< 0.00600	**0.0531**	**0.0152**	**0.00167**
Arsenic	2012-03	mg/L	**0.0679**	**0.0170**	**0.00318**	**0.00240**	**0.0132**	**0.0404**	**0.154**	**0.0262**	**0.122**	**0.0406**	~~**0.00336**~~	**0.0109**	**0.00238**	**0.0927**	**0.0103**	**0.00747**
Arsenic	2012-09	mg/L	**0.0590**	**0.0216**	**0.00374**	**0.00200**	**0.00490**	**0.0372**	**0.177**	**0.0719**	**0.0673**	**0.0435**	~~**0.0385**~~	**0.0604**	**0.00148**	**0.205**	**0.00491**	**0.00330**
Arsenic	2013-03	mg/L	**0.0721**	**0.0343**		**0.000733 J**	**0.0148**		**0.156**	**0.0455**	**0.194**	**0.0306**	~~**0.00933**~~	**0.00837**	**0.000704 J**	**0.143**	**0.00547**	**0.00602**
Arsenic	2013-05	mg/L			< 0.00100			**0.0376**										
Arsenic	2013-09	mg/L	**0.0570**	**0.0176**	**0.00138**	**0.00108**	**0.0192**	**0.0550**	**0.138**	**0.0475**	**0.137**	**0.0568**	~~**0.0373**~~	**0.0110**	**0.000777 J**	**0.0697**	**0.00584**	**0.00406**
Arsenic	2013-11	mg/L																
Arsenic	2014-03	mg/L	**0.0670**	**0.0220**	< 0.00100	< 0.00100	**0.0231**	**0.0384**	**0.139**	**0.0919**	**0.0966**	**0.0420**	~~**0.0375**~~	**0.0694**	**0.00192**	**0.209**	**0.00636**	**0.00578**
Arsenic	2014-06	mg/L																
Arsenic	2014-09	mg/L	**0.0515**	**0.0175**	< 0.002	**0.0017 J**	**0.0021**	**0.0627**	**0.135**	**0.055**	**0.131**	**0.0523**	~~**0.0238**~~	**0.00641**	**0.00186 J**	**0.139**	**0.0119**	**0.00332**
Arsenic	2015-03	mg/L	**0.0557**	**0.0533**	**0.00137 J**	**0.00143 J**	**0.0153**	**0.0255**	**0.155**	**0.0587**	**0.0839**	**0.038**	~~**0.00239**~~	**0.00149 J**	**0.00136 J**	**0.0307**	**0.00112 J**	< 0.00200
Arsenic	2015-09	mg/L	**0.0427**	**0.0163**		**0.00148 J**	**0.0118**	**0.0465**			**0.125**	**0.0419**	~~**0.0229**~~	< 0.002		**0.0413**	**0.00182 J**	
Arsenic	2015-10	mg/L			**0.00459**				**0.172**	**0.0438**					< 0.002			< 0.002
Arsenic	2016-03	mg/L	**0.048**	**0.0148**	**0.00127 J**	**0.00153 J**	**0.00502**	**0.0464**	**0.13**	**0.0436**	**0.261**	**0.05**	~~**0.00216**~~	**0.000713 J**	**0.000742 J**	**0.052**	**0.00178 J**	< 0.002
Arsenic	2016-06	mg/L			**0.0043**	**0.00137 J**												
Arsenic	2016-08	mg/L	**0.0409**	**0.0133**	**0.00734**	**0.00254**	**0.00809**	**0.0348**	**0.128**	**0.0412**	**0.239**	**0.0786**	~~**0.0412**~~	< 0.002	< 0.002	**0.0409**	**0.0019 J**	< 0.002
Arsenic	2017-03	mg/L	**0.026**	**0.0148**	**0.00388**	**0.00111 J**	**0.0112**	**0.054**	**0.14**	**0.0561**	**0.147**	**0.0681**	~~**0.00525**~~	**0.0118**	**0.000795 J**	**0.0122**	**0.00177 J**	< 0.002
Arsenic	2017-08	mg/L	**0.042**	**0.0131**	**0.0129**	**0.00103 J**	**0.00536**	**0.0331**	**0.124**	**0.0429**	**0.157**	**0.0819**	~~**0.00629**~~	**0.00149 J**	< 0.002	**0.0252**	< 0.002	< 0.002
Arsenic	2017-11	mg/L																
Arsenic	2018-03	mg/L	**0.0562**	**0.0161**	**0.00356**	**0.00158 J**	**0.0129**	**0.0298**	**0.149**	**0.0608**	**0.217**	**0.0403**	~~**0.00204**~~	**0.00198 J**	**0.000708 J**	**0.0238**	**0.00171 J**	< 0.002
Arsenic	2018-06	mg/L																
Arsenic	2018-08	mg/L	**0.0458**	**0.0141**	**0.0307**	**0.00177 J**		**0.0264**	**0.128**	**0.0548**	**0.142**	**0.105**			< 0.002	**0.0645**	**0.00157 J**	< 0.002
Arsenic	2018-09	mg/L					**0.0109**						~~**0.067**~~	**0.00259**				
Arsenic	2018-11	mg/L																
Arsenic	2019-03	mg/L	**0.00174 J**	**0.014**	**0.0124**	**0.00123 J**	**0.0126**	**0.0535**	**0.126**	**0.0917**	**0.00836**	**0.0729**	~~**0.00161 J**~~	**0.000938 J**	< 0.002	**0.02**	< 0.002	< 0.002
Arsenic	2019-08	mg/L	**0.0424**	**0.0143**	**0.0114**	**0.00314**	**0.00116 J**	**0.0282**	**0.0702**	**0.072**	**0.0654**	**0.095**	~~**0.00171 J**~~	**0.00444**	**0.00097 J**	**0.0132**	**0.00165 J**	< 0.002
Arsenic	2020-03	mg/L	**0.0221**	**0.0171**	**0.00576**			**0.0732**		**0.0553**	**0.0558**	**0.066**	**0.00178 J**	**0.00752 J**	< 0.002	**0.0116**	< 0.002	< 0.002
Arsenic	2020-04	mg/L				**0.00122 J**	**0.0028**		**0.104**									
Arsenic	2020-08	mg/L	**0.0466**	**0.0149**	**0.00504**	**0.00164 J**	**0.00439**	**0.0352**	**0.0963**	**0.0663**	**0.187**	**0.096**	**0.00774**	**0.00332**	< 0.002	**0.0237**	< 0.002	< 0.002
Arsenic	2021-03	mg/L							**0.133**	**0.049**	**0.102**	**0.0638**						
Arsenic	2021-08	mg/L	**0.0484**	**0.0172**	**0.0232**	**0.00135 J**	**0.00914**	**0.0105 J**	**0.149**	**0.0717**	**0.0902**	**0.0599**	**0.00235**	**0.0319**	**0.00132 J**	**0.0925**	< 0.002	**0.00368**
Arsenic	2022-03	mg/L							**0.144**	**0.0973**	**0.146**	**0.0316**						
Arsenic	2022-08	mg/L	**0.0407 J**	**0.0157**	**0.00561**	**0.00321**	**0.0125**		**0.14**	**0.0398**	**0.193**	**0.0808**	**0.00563**	**0.00194 J**	< 0.002	**0.0279**	**0.00203**	**0.00113 J**
Arsenic	2023-01	mg/L															< 0.002	
Arsenic	2023-03	mg/L							**0.116**	**0.0534**	**0.0481**	**0.0675**					**0.00149 J**	
Arsenic	2023-08	mg/L	**0.0678**	**0.0173**	**0.00513**	**0.00163 J**	**0.0133**		**0.156**	**0.0549**	**0.0775**	**0.048**	**0.00565**	**0.0371**	**0.000545 J**	**0.024**	**0.00112 J**	< 0.002
Arsenic	2024-03	mg/L							**0.152**	**0.0527**	**0.183**	**0.0554**						
Arsenic	2024-08	mg/L	**0.0461**	**0.0166**	**0.00251**	**0.00408**	**0.0016 J**		**0.114**	**0.0351**	**0.0638**	**0.0707**	**0.0218**	**0.00116 J**	< 0.002	**0.0304**	**0.000928 J**	< 0.002

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Antimony	2021-03	mg/L		< 0.002			< 0.002			< 0.002							
Antimony	2021-08	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002			< 0.002	< 0.002	< 0.002		< 0.002
Antimony	2022-03	mg/L		< 0.008			**0.000989 J**			< 0.002							
Antimony	2022-08	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002			< 0.002	< 0.002	< 0.002		< 0.002
Antimony	2023-01	mg/L															
Antimony	2023-03	mg/L		< 0.002			< 0.002			< 0.002							
Antimony	2023-08	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002			< 0.002	< 0.002	< 0.002		< 0.002
Antimony	2024-03	mg/L		< 0.002			< 0.002			< 0.002							
Antimony	2024-08	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002			< 0.002	< 0.002	< 0.002		< 0.002
Antimony	2025-03	mg/L		< 0.002			< 0.002			< 0.002							
Antimony	2025-08	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002			< 0.002	< 0.002	< 0.002		< 0.002
Arsenic	2008-08	mg/L	**0.0424**	**0.051**	**0.0389**	**0.0095**	< 0.001	~~**0.0253**~~	**0.003**								
Arsenic	2009-03	mg/L	**0.0601**	**0.0676**	**0.0511**	< 0.001	< 0.001	~~**0.0396**~~	**0.0050**								
Arsenic	2009-07	mg/L	**0.0739**	**0.027**	**0.022**	**0.0111**	**0.001**	~~**0.0299**~~	**0.0056**								
Arsenic	2009-09	mg/L	**0.0516**	**0.0456**	**0.0179**	**0.00906**	**0.00176**	~~**0.0175**~~									
Arsenic	2010-03	mg/L	**0.0129**	**0.0231**	**0.00750**	**0.0150**	< 0.00100	~~**0.0103**~~	**0.00490**								
Arsenic	2010-09	mg/L	**0.0504**	**0.0236**	**0.0227**	**0.0131**	< 0.00200	~~**0.00781**~~	**0.00335**								
Arsenic	2011-03	mg/L	**0.0536**	**0.0971**	**0.0820**	**0.0126**	< 0.00200	~~**0.00465**~~	**0.00726**								
Arsenic	2011-09	mg/L	**0.0445**	**0.0350**	**0.0563**	**0.00455**	< 0.00200	~~**0.0147**~~	**0.0120**								
Arsenic	2012-03	mg/L	**0.0396**	**0.0614**	**0.0580**	**0.0161**	< 0.00100	~~**0.0131**~~	**0.00990**								
Arsenic	2012-09	mg/L	**0.0412**	**0.0650**	**0.0585**	**0.0293**	< 0.00100	~~**0.0294**~~	**0.00606**								
Arsenic	2013-03	mg/L	**0.0373**	**0.127**	**0.0862**		< 0.00100	~~**0.0254**~~	**0.00702**								
Arsenic	2013-05	mg/L															
Arsenic	2013-09	mg/L	**0.0534**	**0.146**	**0.0516**	**0.00480**	< 0.00100	~~**0.0385**~~	**0.00734**	~~**0.000395 J**~~	< 0.00100	**0.000350 J**	**0.00337**	**0.00766**	**0.000550 J**		
Arsenic	2013-11	mg/L								~~< 0.00100~~	< 0.00100	< 0.00100	**0.00125**	**0.0110**	< 0.00100		
Arsenic	2014-03	mg/L	**0.0664**	**0.0850**	**0.0619**	**0.0233**	< 0.00100	~~**0.0153**~~	**0.00849**	~~**0.000461 J**~~	< 0.00100	< 0.00100	**0.00173**	**0.0111**	< 0.00100		
Arsenic	2014-06	mg/L								~~< 0.00100~~	< 0.00100	< 0.00100	**0.000931 J**	**0.0122**	< 0.00100		
Arsenic	2014-09	mg/L	**0.0607**	**0.118**	**0.0402**	**0.00458**	**0.00195 J**	~~**0.0198**~~	**0.00548**	~~< 0.002~~	< 0.002	< 0.002	**0.00272**	**0.0184**	< 0.002		
Arsenic	2015-03	mg/L	**0.0449**	**0.11**	**0.0483**	**0.00850**	< 0.002	~~**0.00802**~~	**0.00422**	**0.00145 J**	< 0.00200	< 0.00200	**0.00480**	**0.0163**	< 0.00200		
Arsenic	2015-09	mg/L		**0.0506**		**0.00393**	**0.00205**	~~**0.00476**~~	**0.00364**								
Arsenic	2015-10	mg/L	**0.0885**		**0.0492**					< 0.002	< 0.002	< 0.002	**0.00245**	**0.0192**	< 0.002		
Arsenic	2016-03	mg/L	**0.0307**	**0.0373**	**0.0194**	**0.00609**	**0.00094 J**	~~**0.00489**~~	**0.00369**	< 0.002	< 0.002	**0.000991 J**	**0.00184 J**	**0.0177**	< 0.002		
Arsenic	2016-06	mg/L															
Arsenic	2016-08	mg/L	**0.0215**	**0.0361**	**0.0205**	**0.00419**	< 0.002	~~**0.00657**~~	**0.00287**	< 0.002	< 0.002	< 0.002	**0.00179 J**	**0.0168**	**0.000713 J**		
Arsenic	2017-03	mg/L	**0.0171**	**0.0328**	**0.0305**	**0.0047**	< 0.002	**0.00482**	**0.00368**	< 0.002	< 0.002	< 0.002	**0.00139 J**	**0.0173**	< 0.002		
Arsenic	2017-08	mg/L	**0.0107**	**0.0384**	**0.0329**	**0.00529**	**0.00094 J**	**0.00363**	**0.00295**	< 0.002	< 0.002	< 0.002	**0.00165 J**	**0.0235**	< 0.002		
Arsenic	2017-11	mg/L														< 0.002	**0.00051 J**
Arsenic	2018-03	mg/L	**0.0135**	**0.189**	**0.0496**	**0.00703**	**0.000584 J**	**0.0081**	**0.00342**	< 0.002	< 0.002	**0.000584 J**	**0.00143 J**	**0.0151**	**0.000597 J**	< 0.002	**0.000719 J**
Arsenic	2018-06	mg/L														**0.0014 J**	< 0.002
Arsenic	2018-08	mg/L	**0.00912**	**0.0639**	**0.0371**	**0.00543**	~~**0.000574 J**~~	**0.00639**	**0.00311**	< 0.002		< 0.002	**0.00161 J**	**0.0128**			
Arsenic	2018-09	mg/L													< 0.002	**0.000705 J**	< 0.002
Arsenic	2018-11	mg/L														**0.00101 J**	**0.000735 J**
Arsenic	2019-03	mg/L	**0.0208**	**0.0743**	**0.0226**	**0.00533**	< 0.002	**0.0113**	**0.00237**	< 0.002		< 0.002	**0.000965 J**	**0.0133**	< 0.002	**0.000925 J**	< 0.002
Arsenic	2019-08	mg/L	**0.00519**	**0.0253**	**0.0237**	**0.00156 J**	< 0.002	**0.00527**	**0.00481**	**0.000753 J**	< 0.002	< 0.002	**0.00164 J**	**0.0168**	< 0.002	< 0.002	< 0.002
Arsenic	2020-03	mg/L	**0.0469**	**0.0702**		**0.00282**	< 0.002	**0.0188**	**0.00335**	< 0.002	< 0.002	< 0.002	**0.00118 J**		< 0.002	**0.00198 J**	< 0.002
Arsenic	2020-04	mg/L			**0.0217**									**0.0102**			
Arsenic	2020-08	mg/L	**0.00257**	**0.0465**	**0.0245**	**0.00168 J**	< 0.002	**0.00322**	**0.00327**	< 0.002			**0.00132 J**	**0.0135**	< 0.002		< 0.002
Arsenic	2021-03	mg/L		**0.0889**			< 0.002			**0.000798 J**							
Arsenic	2021-08	mg/L	**0.0185**	**0.0272**	**0.0498**	**0.00403**	< 0.002	**0.00688**	**0.00285**	< 0.002			**0.00123 J**	**0.0141**	< 0.002		< 0.002
Arsenic	2022-03	mg/L		**0.172**			< 0.002			< 0.002							
Arsenic	2022-08	mg/L	**0.00856**	**0.345**	**0.0399**	**0.0033**	< 0.002	**0.00992**	**0.00339**	< 0.002			**0.000917 J**	**0.0106**	< 0.002		< 0.002
Arsenic	2023-01	mg/L															
Arsenic	2023-03	mg/L		**0.135**			< 0.002			< 0.002							
Arsenic	2023-08	mg/L	**0.00927**	**0.207**	**0.0418**	**0.00536**	< 0.002	**0.0089**	**0.00296**	< 0.002			**0.00142 J**	**0.0124**	< 0.002		**0.00055 J**
Arsenic	2024-03	mg/L		**0.109**			< 0.002			< 0.002							
Arsenic	2024-08	mg/L	**0.0128**	**0.247**	**0.0359**	**0.00291**	< 0.002	**0.0077**	**0.00344**	< 0.002			**0.00143 J**	**0.0128**	< 0.002		**0.000615 J**

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 — **Analytical Data Summary - Upper Bedrock Appendix II**

Permit No. 57-SDP-03-75C — **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Arsenic	2025-03	mg/L							0.0405	0.0411	0.0973	0.0532						
Arsenic	2025-08	mg/L	0.0354	0.0175	0.0196	0.00415	0.00244		0.117	0.0423	0.0782	0.041	0.0123	0.00126 J	0.00089 J	0.105	0.00106 J	< 0.002
Barium	2008-08	mg/L	0.53	0.48	0.12	0.11	0.21	0.67	0.16	0.27	< 0.1	0.13	0.16	0.22	0.21	1	0.38	0.24
Barium	2009-03	mg/L	0.76	0.39	< 0.05	< 0.05	0.14	0.37	0.16	0.17	0.11	0.13	0.16	0.28	0.13	0.89	0.32	0.26
Barium	2009-07	mg/L	0.72	1	0.1	< 0.1	0.18	0.36	0.14	0.22	< 0.1	0.11	0.15	0.26	0.13	< 0.1	0.22	0.26
Barium	2009-09	mg/L	0.366	0.342	0.0833	0.0668	0.106	0.124	0.124	0.194	0.0783	0.093	0.128	0.221	0.118	0.886	0.24	0.187
Barium	2010-03	mg/L	0.0784	0.359	0.0923	0.0675	0.114	0.0785	0.149	0.304	0.0695	0.0968	0.123	0.173	0.167	0.968	0.301	0.242
Barium	2010-09	mg/L	0.548	0.352	0.0927	0.100	0.101	0.147	0.135	0.261	0.0844	0.0984	0.151	0.252	0.136	0.812	0.294	0.282
Barium	2011-03	mg/L	0.260	0.323	0.0783	0.0833	0.101	0.240	0.129	0.227	0.0986	0.0817	0.180	0.267	0.148	0.893	0.291	0.272
Barium	2011-09	mg/L	0.371	0.329	0.0794	0.0652	0.117	0.129	0.140	0.471	0.109	0.141	0.179	0.303	0.145	0.913	0.286	0.254
Barium	2012-03	mg/L	0.332	0.376	0.0827	0.0828	0.135	0.232	0.143	0.590	0.124	0.105	0.151	0.330	0.180	1.02	0.261	0.254
Barium	2012-09	mg/L	0.367	0.414	0.0869	0.0616	0.142	0.0480	0.157	0.514	0.134	0.128	0.213	0.461	0.228	1.07	0.243	0.272
Barium	2013-03	mg/L	0.266	0.454		0.111	0.109		0.162	0.704	0.0746	0.141	0.162	0.312	0.263	0.943	0.225	0.362
Barium	2013-05	mg/L			0.0872			0.121										
Barium	2013-09	mg/L	0.406	0.405	0.0920	0.0705	0.274	0.194	0.169	0.602	0.0438	0.206	0.161	0.309	0.207	0.955	0.245	0.302
Barium	2013-11	mg/L																
Barium	2014-03	mg/L	0.417	0.393	0.0866	0.0607	0.359	0.0581	0.142	0.484	0.0749	0.173	0.186	0.369	0.209	1.03	0.230	0.328
Barium	2014-06	mg/L																
Barium	2014-09	mg/L	0.524	0.406	0.0983	0.0923	0.203	0.223	0.171	0.723	0.0562	0.277	0.154	0.286	0.203	0.941	0.245	0.271
Barium	2015-03	mg/L	0.501	0.573	0.0759	0.0739	0.153	0.355	0.172	0.621	0.0694	0.246	0.15	0.324	0.208	1.19	0.209	0.255
Barium	2015-09	mg/L	0.442	0.431		0.117	0.125	0.12			0.0467	0.372	0.164	0.28		1.01	0.202	
Barium	2015-10	mg/L			0.0876				0.182	0.67					0.174			0.286
Barium	2016-03	mg/L	0.771	0.379	0.104	0.0788	0.114	0.442	0.159	0.746	0.0571	0.428	0.115	0.196	0.139	1.07	0.177	0.277
Barium	2016-06	mg/L			0.0895	0.0819												
Barium	2016-08	mg/L	0.64	0.332	0.0782	0.0938	0.0981	0.179	0.225	0.739	0.0599	0.43	0.241	0.207	0.121	0.973	0.203	0.271
Barium	2017-03	mg/L	0.303	0.346	0.0762	0.0967	0.148	0.406	0.307	0.861	0.0772	0.372	0.127	0.26	0.168	0.594	0.208	0.337
Barium	2017-08	mg/L	0.518	0.3	0.0748	0.0895	0.141	0.0537	0.329	0.778	0.0561	0.274	0.164	0.281	0.134	0.704	0.176	0.259
Barium	2017-11	mg/L																
Barium	2018-03	mg/L	0.547	0.417	0.078	0.117	0.241	0.0439	0.239	0.846	0.132	0.211	0.149	0.357	0.147	1	0.179	0.216
Barium	2018-06	mg/L																
Barium	2018-08	mg/L	0.386	0.343	0.0858	0.0988		0.0808	0.368	0.823	0.0839	0.301			0.115	1.32	0.218	0.261
Barium	2018-09	mg/L					0.222						0.373	0.328				
Barium	2018-11	mg/L																
Barium	2019-03	mg/L	0.101	0.358	0.0841	0.0959	0.196	0.134	0.384	1.09	0.0783	0.364	0.0946	0.117	0.108	0.601	0.184	0.234
Barium	2019-08	mg/L	0.573	0.351	0.0857	0.117	0.135	0.108	0.367	0.939	0.0648	0.386	0.113	0.257	0.123	0.605	0.225	0.227
Barium	2020-03	mg/L	0.223	0.414	0.0795			0.308		1.05	0.0662	0.191	0.101	0.272	0.136	0.584	0.184	0.267
Barium	2020-04	mg/L				0.093	0.15		0.504									
Barium	2020-08	mg/L	0.408	0.422	0.0741	0.104	0.161	0.135	0.463	0.899	0.0582	0.239	0.167	0.334	0.125	0.68	0.179	0.213
Barium	2021-03	mg/L							0.355	1	0.0692	0.133						
Barium	2021-08	mg/L	0.0802	0.424	0.069	0.0984	0.209	0.0561	0.361	0.824	0.0594	0.12	0.171	0.423	0.144	0.86	0.154	0.219
Barium	2022-03	mg/L							0.347	0.906	0.144	0.0676						
Barium	2022-08	mg/L	0.171 J	0.443	0.0691	0.118	0.241		0.473	0.852	0.0764	0.136	0.139	0.155	0.14	0.872	0.165	0.213
Barium	2023-01	mg/L															0.139	
Barium	2023-03	mg/L							0.407	1.1	0.172	0.161					0.131	
Barium	2023-08	mg/L	0.153	0.438	0.0619	0.103	0.255		0.417	0.794	0.0678	0.134	0.15	0.333	0.148	0.758	0.139	0.155
Barium	2024-03	mg/L							0.388	0.787	0.0651	0.147						
Barium	2024-08	mg/L	0.178 J	0.468	0.0705	0.09	0.193		0.514	0.956	0.148	0.145	0.161	0.146	0.119	0.899	0.159	0.206
Barium	2025-03	mg/L							0.851	0.846	0.112	0.103						
Barium	2025-08	mg/L	0.114	0.461	0.0783	0.0867	0.146		0.514	0.669	0.108	0.0668	0.117	0.128	0.113	0.809	0.167	0.178
Benzene	2008-08	ug/L	< 0.5	0.79	< 0.5	< 0.5	< 0.5	1.29	5.35	5.52	3.67	< 0.5	< 0.5	1.33	< 0.5	4.73	1.58	< 0.5
Benzene	2009-03	ug/L	< 0.5	0.69	< 0.5	< 0.5	< 0.5	1.08	1.89	2.56	3.9	< 0.5	< 0.5	< 0.5	< 0.5	4.43	1.43	< 0.5
Benzene	2009-07	ug/L	0.56	0.550		< 0.5		< 0.5	3.36	3.4	3.66	< 0.5	< 0.500	< 0.500	< 0.5	4.01	1.68	
Benzene	2009-09	ug/L	1.16	0.570		< 0.500		0.910	3.91	4.65	3.85	< 0.5	< 0.5	< 0.5	< 0.5	3.6	1.78	
Benzene	2010-03	ug/L	< 0.500	0.570	< 0.500	< 0.500	< 0.500	< 0.500	3.79	3.40	2.47	< 0.500	< 0.500	< 0.500	< 0.500	4.10	0.800	< 0.500
Benzene	2010-09	ug/L	0.990	0.500	< 0.500	< 0.500	< 0.500	1.42	4.74	7.45	4.11	< 0.500	< 0.500	0.520	< 0.500	4.98	1.26	< 0.500
Benzene	2011-03	ug/L	< 0.500	< 0.500	< 0.500	< 0.500	< 5.00	< 0.500	1.50	4.43	3.62	< 0.500	< 0.500	< 0.500	< 0.500	4.36	0.810	< 0.500

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Arsenic	2025-03	mg/L		0.409			< 0.002			< 0.002							
Arsenic	2025-08	mg/L	0.0144	0.532	0.0469	0.00431	0.000684 J	0.0397	0.00306	0.000767 J			< 0.002	0.0243	< 0.002		< 0.002
Barium	2008-08	mg/L	0.23	0.58	0.26	0.39	~~< 0.1~~	0.45	< 0.1								
Barium	2009-03	mg/L	0.29	0.86	0.14	0.42	~~< 0.05~~	0.52	< 0.05								
Barium	2009-07	mg/L	0.28	0.93	0.17	0.48	~~< 0.1~~	0.52	< 0.1								
Barium	2009-09	mg/L	0.287	0.802	0.134	0.449	0.0340	0.398									
Barium	2010-03	mg/L	0.209	0.566	0.143	0.466	0.0591	0.335	0.0662								
Barium	2010-09	mg/L	0.244	0.790	0.196	0.340	0.0277	0.258	0.0531								
Barium	2011-03	mg/L	0.190	0.831	0.0614	0.180	0.0365	0.266	0.0600								
Barium	2011-09	mg/L	0.246	1.00	0.171	0.209	0.0244	0.485	0.0671								
Barium	2012-03	mg/L	0.148	0.786	0.159	0.232	0.0430	0.535	0.0649								
Barium	2012-09	mg/L	0.180	0.932	0.163	0.325	0.0501	0.637	0.0682								
Barium	2013-03	mg/L	0.0999	0.163	0.136		0.191	0.978	0.0642								
Barium	2013-05	mg/L															
Barium	2013-09	mg/L	0.269	1.13	0.685	0.128	0.0596	1.10	0.0684	~~0.172~~	0.141	0.182	0.0675	0.367	0.153		
Barium	2013-11	mg/L								~~0.146~~	0.102	0.0985	0.0696	0.0932	0.0944		
Barium	2014-03	mg/L	0.162	0.884	0.193	0.478	0.0487	0.476	0.0698	~~0.0769~~	0.105	0.100	0.0628	0.134	0.0905		
Barium	2014-06	mg/L								~~0.0507~~	0.120	0.0969	0.0425	0.167	0.0852		
Barium	2014-09	mg/L	0.179	1.09	0.398	0.16	0.0525	0.655	0.065	~~0.0699~~	0.122	0.142	0.0724	0.407	0.095		
Barium	2015-03	mg/L	0.15	1	0.249	0.16	0.0405	0.593	0.0705	0.112	0.148	0.0988	0.0759	0.129	0.0848		
Barium	2015-09	mg/L		0.975		0.135	0.0563	0.761	0.0729								
Barium	2015-10	mg/L	0.2		0.31					0.059	0.144	0.108	0.0759	0.266	0.0993		
Barium	2016-03	mg/L	0.218	0.802	0.361	0.124	0.0506	0.642	0.0701	0.0463	0.105	0.106	0.0536	0.203	0.095		
Barium	2016-06	mg/L															
Barium	2016-08	mg/L	0.24	0.778	0.46	0.122	0.0469	0.598	0.0641	0.0441	0.125	0.109	0.0558	0.225	0.114		
Barium	2017-03	mg/L	0.235	0.704	0.509	0.146	0.0633	0.582	0.0747	0.0265	0.119	0.106	0.05	0.229	0.0533		
Barium	2017-08	mg/L	0.234	0.784	0.498	0.142	0.0469	0.525	0.0626	0.0377	0.112	0.116	0.0652	0.26	0.135		
Barium	2017-11	mg/L														0.192	0.168
Barium	2018-03	mg/L	0.162	0.797	0.284	0.184	0.0345	0.712	0.0683	0.0531	0.107	0.0829	0.071	0.129	0.0962	0.231	0.22
Barium	2018-06	mg/L														0.0668	0.258
Barium	2018-08	mg/L	0.183	0.805	0.388	0.15	~~0.0295~~	0.847	0.0579	0.047		0.122	0.0614	0.123			
Barium	2018-09	mg/L													0.136	0.51	0.195
Barium	2018-11	mg/L														0.108	0.176
Barium	2019-03	mg/L	0.259	0.566	0.477	0.177	0.0368	0.966	0.0748	0.0389		0.0279	0.0612	0.129	0.0966	0.0449	0.182
Barium	2019-08	mg/L	0.52	0.653	0.672	0.117	0.0294	0.427	0.065	0.0327	0.116	0.0814	0.0713	0.29	0.134	0.262	0.227
Barium	2020-03	mg/L	0.616	0.919		0.174	0.0387	0.541	0.0669	0.0452	0.102	0.103	0.0913		0.135	0.0932	0.241
Barium	2020-04	mg/L			0.455									0.149			
Barium	2020-08	mg/L	0.358	0.765	0.59	0.131	0.0299	0.393	0.0659	0.0694			0.0628	0.239	0.14		0.225
Barium	2021-03	mg/L		0.539			0.035			0.0697							
Barium	2021-08	mg/L	0.349	0.855	0.372	0.157	0.0347	0.575	0.075	0.043			0.0851	0.202	0.132		0.204
Barium	2022-03	mg/L		0.11			0.0255			0.0588							
Barium	2022-08	mg/L	0.272	0.8	0.394	0.142	0.0252	0.748	0.0642	0.0819			0.0813	0.165	0.194		0.248
Barium	2023-01	mg/L															
Barium	2023-03	mg/L		0.695			0.0286			~~0.141~~							
Barium	2023-08	mg/L	0.203	0.918	0.373	0.167	0.0349	0.682	0.0677	0.0846			0.0734	0.11	0.131		0.196
Barium	2024-03	mg/L		0.719			0.0403			0.105							
Barium	2024-08	mg/L	0.135	0.886	0.336	0.149	0.0518	0.774	0.067	0.129			0.078	0.23	0.199		0.191
Barium	2025-03	mg/L		0.748			0.0605			0.122							
Barium	2025-08	mg/L	0.157	1.46	0.302	0.156	0.0564	0.475	0.0655	0.122			0.0453	0.311	0.164		0.199
Benzene	2008-08	ug/L	2.02	4.25	3.67	0.76	< 0.5	< 0.5	< 0.5								
Benzene	2009-03	ug/L	2	3.26	3.33	1.19	< 0.5	< 0.5	< 0.5								
Benzene	2009-07	ug/L	1.44	3.54	3.34	2.71	< 0.500										
Benzene	2009-09	ug/L	1.24	4.20	4.01	1.15	< 0.500										
Benzene	2010-03	ug/L	1.85	4.58	3.28	2.26	< 0.500	< 0.500	< 0.500								
Benzene	2010-09	ug/L	2.62	3.98	2.92	2.06	< 0.500	< 0.500	< 0.500								
Benzene	2011-03	ug/L	2.40	3.40	2.69	1.04	< 0.500	< 0.500	< 0.500								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	2011-09	ug/L	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	**0.540**	**2.00**	**6.45**	**3.23**	< 0.500	< 0.500	< 0.500	< 0.500	**5.46**	**0.680**	< 0.500
Benzene	2012-03	ug/L	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	**1.16**	**5.53**	**2.72**	< 0.500	< 0.500	< 0.500	< 0.500	**4.16**	< 0.500	< 0.500
Benzene	2012-09	ug/L	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	**1.68**	**4.04**	**3.13**	**0.580**	< 0.500	< 0.500	< 0.500	**5.34**	**0.670**	< 0.500
Benzene	2013-03	ug/L	**0.115 J**	**0.246 J**		< 0.500	< 0.500		**1.13**	**5.62**	**3.21**	**1.07**	< 0.5	< 0.5	< 0.500	**5.32**	**0.401 J**	< 0.5
Benzene	2013-05	ug/L			< 0.500			< 0.500										
Benzene	2013-09	ug/L	**1.07**	**0.447 J**	< 0.500	< 0.500	< 0.500	**0.706**	**2.50**	**4.48**	**2.92**	**0.267 J**	< 0.500	**0.528**	< 0.500	**3.66**	**0.920**	< 0.500
Benzene	2013-11	ug/L																
Benzene	2014-03	ug/L	**0.312 J**	< 0.500	< 0.500	< 0.500	< 0.500	**1.85**	**1.04**	**2.39**	**2.94**	**0.287 J**	< 0.500	< 0.500	**0.357 J**	**4.19**	**0.455 J**	< 0.500
Benzene	2014-06	ug/L																
Benzene	2014-09	ug/L	**0.872**	**0.266 J**	< 0.5	< 0.5	< 0.5	**0.754**	**2.45**	**5.16**	**2.86**	**0.19 J**	< 0.5	< 0.5	< 0.5	**3.4**	**0.584**	< 0.5
Benzene	2015-03	ug/L	**0.232 J**	**0.355 J**	< 0.500	< 0.500	< 0.500	**0.169 J**	**0.996**	**4.46**	**2.46**	< 0.5	< 0.500	**0.117 J**	< 0.5	**4.31**	**0.325 J**	< 0.500
Benzene	2015-09	ug/L	**0.154 J**	**0.237 J**		< 0.5	< 0.5	< 0.5			**2.85**	< 0.5	< 0.5	< 0.5		**3.5**	**0.474 J**	
Benzene	2015-10	ug/L			< 0.5				**1.58**	**4.05**					< 0.5			< 0.5
Benzene	2016-03	ug/L	**0.283 J**	**0.3 J**	< 0.5	< 0.5	< 0.5	**0.197 J**	**3.58**	**5.54**	**2.43**	< 0.5	< 0.5	< 0.5	< 0.5	**3.4**	**0.367 J**	< 0.5
Benzene	2016-06	ug/L			< 0.5	< 0.5												
Benzene	2016-08	ug/L	**0.321 J**	**0.344 J**	< 0.5	< 0.5	< 0.5	< 0.5	**3.21**	**5.78**	**2.39**	< 0.5	< 0.5	< 0.5	< 0.5	**3.85**	**0.38 J**	< 0.5
Benzene	2017-03	ug/L	< 0.5	**0.467 J**	< 0.5	< 0.5	< 0.5	< 0.5	**3.02**	**4.82**	**1.17**	< 0.5	< 0.5	< 0.5	< 0.5	**6.53**	**0.409 J**	< 0.5
Benzene	2017-08	ug/L	< 0.5	**0.418 J**	< 0.5	< 0.5	< 0.5	< 0.5	**1.07**	**4.1**	**1.44**	< 0.5	< 0.5	**0.181 J**	< 0.5	**5.95**	**0.389 J**	< 0.5
Benzene	2017-11	ug/L																
Benzene	2018-03	ug/L	< 0.5	**0.246 J**	< 0.5	< 0.5	< 0.5	< 0.5	**0.379 J**	**3.21**	**1.75**	< 0.5	< 0.5	< 0.5	< 0.5	**7.03**	**0.198 J**	< 0.5
Benzene	2018-06	ug/L																
Benzene	2018-08	ug/L	< 0.5	**0.278 J**	< 0.5	< 0.5		< 0.5	**0.697**	**4.81**	**1.87**	< 0.5			< 0.5	**4**	**0.796**	< 0.5
Benzene	2018-09	ug/L					< 0.5						< 0.5	< 0.5				
Benzene	2018-11	ug/L																
Benzene	2019-03	ug/L	< 0.5	**0.295 J**	< 0.5	< 0.5	< 0.5	< 0.5	**1.45**	**4.02**	**1.04**	< 0.5	< 0.5	< 0.5	< 0.5	**5.75**	**0.393 J**	< 0.5
Benzene	2019-08	ug/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**2.76**	**4.24**	**1.45**	< 0.5	< 0.5	**0.478 J**	< 0.5	**6.51**	**1.09**	< 0.5
Benzene	2020-03	ug/L	< 0.5	**0.392 J**	< 0.5			**0.357 J**		**5.38**	**1.24**	< 0.5	< 0.5	< 0.5	< 0.5	**7.87**	**0.409 J**	< 0.5
Benzene	2020-04	ug/L				< 0.5	< 0.5		**1.68**									
Benzene	2020-08	ug/L	< 0.5	**0.601**	< 0.5	< 0.5	< 0.5	< 0.5	**1.95**	**4.38**	**1.13**	< 0.5	< 0.5	**0.223 J**	< 0.5	**7.04**	**0.493 J**	< 0.5
Benzene	2021-03	ug/L							**0.921**	**3.76**	**1.02**	< 0.5						
Benzene	2021-08	ug/L	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	**3.65**	**0.64**	< 0.5	< 0.5	< 0.5	< 0.5	**4.16**	< 0.5	< 0.5
Benzene	2022-03	ug/L							< 0.5	**2.44**	**0.813**	< 0.5						
Benzene	2022-08	ug/L	< 0.5	**0.227 J**	< 0.5	< 0.5	< 0.5		< 0.5	**3.76**	**0.303 J**	< 0.5	< 0.5	**0.257 J**	< 0.5	**6.61**	< 0.5	< 0.5
Benzene	2023-01	ug/L															< 0.5	
Benzene	2023-03	ug/L							**0.918**	**3.74**	**0.726**	< 0.5					< 0.5	
Benzene	2023-08	ug/L	**0.225 J**	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	**3.51**	**0.534**	< 0.5	< 0.5	< 0.5	< 0.5	**7.69**	**0.373 J**	< 0.5
Benzene	2024-03	ug/L							< 0.5	**3.14**	< 0.5	< 0.5						
Benzene	2024-08	ug/L	**0.33 J**	< 0.5	< 0.5	< 0.5	< 0.5		**0.854**	**4.11**	**0.567**	< 0.5	< 0.5	< 0.5	< 0.5	**8.11**	< 0.5	< 0.5
Benzene	2025-03	ug/L							< 0.5	**2.9**	**0.254 J**	< 0.5						
Benzene	2025-08	ug/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	**3.35**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**4.26**	< 0.5	< 0.5
Benzo(a)anthracene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Benzo(a)anthracene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(a)anthracene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Benzo(a)anthracene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Benzo(a)anthracene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Benzo(a)anthracene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Benzo(a)anthracene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Benzo(a)anthracene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Benzo(a)anthracene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Benzo(a)anthracene	2016-03	ug/L			< 11.1	< 11.2												
Benzo(a)anthracene	2016-06	ug/L			< 11.4	< 11.4												
Benzo(a)anthracene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Benzo(a)anthracene	2023-01	ug/L															< 10.9	
Benzo(a)anthracene	2023-03	ug/L															< 10.4	
Benzo(a)anthracene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Benzo(a)pyrene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10

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Table 14
Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Benzene	2011-09	ug/L	**2.51**	**3.55**	**2.58**	**1.73**	< 0.500	< 0.500	< 0.500								
Benzene	2012-03	ug/L	**1.47**	**1.99**	**2.86**	< 0.500	< 0.500	< 0.500	< 0.500								
Benzene	2012-09	ug/L	**2.31**	**2.06**	**3.68**	< 0.500	< 0.500	< 0.500	< 0.500								
Benzene	2013-03	ug/L	**1.04**	**1.44**	< 12.5		< 0.500	**0.149 J**	< 0.5								
Benzene	2013-05	ug/L															
Benzene	2013-09	ug/L	**2.55**	**2.30**	**2.39**	**0.230 J**	< 0.500	**0.347 J**	< 0.500		< 0.500	< 0.500	< 0.500	< 0.500	< 0.500		
Benzene	2013-11	ug/L									< 0.500	< 0.500	< 0.500	< 0.500	< 0.500		
Benzene	2014-03	ug/L	< 0.500	< 0.500	**3.49**	**0.118 J**	< 0.500	**0.380 J**	< 0.500		< 0.500	< 0.500	< 0.500	< 0.500	< 0.500		
Benzene	2014-06	ug/L									< 0.500	< 0.500	< 0.500	< 0.500	< 0.500		
Benzene	2014-09	ug/L	**2.67**	**2.69**	**2.84**	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Benzene	2015-03	ug/L	**2.11**	**2.09**	**2.92**	< 0.500	< 0.5	**0.161 J**	< 0.5		< 0.500	< 0.500	< 0.500	< 0.500	< 0.500		
Benzene	2015-09	ug/L		**2.72**		< 0.5	< 0.5	**0.302 J**	< 0.5								
Benzene	2015-10	ug/L	**1.39**		**2.54**					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Benzene	2016-03	ug/L	**1.93**	**2.35**	**2.89**	< 0.5	< 0.5	**0.25 J**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Benzene	2016-06	ug/L															
Benzene	2016-08	ug/L	**2.61**	**2.47**	**2.34**	< 0.5	< 0.5	**0.253 J**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Benzene	2017-03	ug/L	**1.51**	**2.19**	**2.27**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Benzene	2017-08	ug/L	**2.28**	**2.13**	**1.83**	< 0.5	< 0.5	**0.126 J**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Benzene	2017-11	ug/L														< 0.5	< 0.5
Benzene	2018-03	ug/L	**1.17**	**2.31**	**2.17**	< 0.5	< 0.5	**0.289 J**	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2018-06	ug/L														< 0.5	< 0.5
Benzene	2018-08	ug/L	**1.9**	**2**	**2.23**	< 0.5	**0.943**	**1.09**	< 0.5	< 0.5		< 0.5	< 0.5	< 0.5			
Benzene	2018-09	ug/L													< 0.5	< 0.5	< 0.5
Benzene	2018-11	ug/L					< 0.5									< 0.5	< 0.5
Benzene	2019-03	ug/L	**1.85**	**0.419 J**	**2.74**	< 0.5	< 0.5	**0.793**	< 0.5	< 0.5		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2019-08	ug/L	**4.73**	**1.51**	**2.12**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2020-03	ug/L	**2.66**	**1.28**		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	< 0.5	< 0.5
Benzene	2020-04	ug/L			**1.33**									< 0.5			
Benzene	2020-08	ug/L	**4.16**	**0.779**	**1.74**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			< 0.5	< 0.5	< 0.5		< 0.5
Benzene	2021-03	ug/L		**0.731**			< 0.5			< 0.5							
Benzene	2021-08	ug/L	**2.85 J+**	**0.658**	**1.56**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			< 0.5	< 0.5	**0.453 J**		< 0.5
Benzene	2022-03	ug/L		< 0.5			< 0.5			< 0.5							
Benzene	2022-08	ug/L	**2.23**	**0.634**	**1.79**	**0.23 J**	< 0.5	**0.396 J**	< 0.5	< 0.5			< 0.5	< 0.5	< 0.5		< 0.5
Benzene	2023-01	ug/L															
Benzene	2023-03	ug/L		**0.384 J**			< 0.5			< 0.5							
Benzene	2023-08	ug/L	**1.29**	**0.647**	**1.56**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			< 0.5	< 0.5	< 0.5		< 0.5
Benzene	2024-03	ug/L		**1**			< 0.5			< 0.5							
Benzene	2024-08	ug/L	**1.1**	**0.691**	**1.11**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			< 0.5	< 0.5	< 0.5		< 0.5
Benzene	2025-03	ug/L		**0.245 J**			< 0.5			< 0.5							
Benzene	2025-08	ug/L	**1.23**	**0.589**	**0.72**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			< 0.5	< 0.5	< 0.5		< 0.5
Benzo(a)anthracene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Benzo(a)anthracene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Benzo(a)anthracene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Benzo(a)anthracene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Benzo(a)anthracene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Benzo(a)anthracene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Benzo(a)anthracene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Benzo(a)anthracene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Benzo(a)anthracene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Benzo(a)anthracene	2016-03	ug/L					< 10.9			< 11.2							
Benzo(a)anthracene	2016-06	ug/L															
Benzo(a)anthracene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Benzo(a)anthracene	2023-01	ug/L															
Benzo(a)anthracene	2023-03	ug/L					< 10			< 10							
Benzo(a)anthracene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Benzo(a)pyrene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								

Table 14

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(a)pyrene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(a)pyrene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Benzo(a)pyrene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Benzo(a)pyrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Benzo(a)pyrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Benzo(a)pyrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Benzo(a)pyrene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Benzo(a)pyrene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Benzo(a)pyrene	2016-03	ug/L			< 11.1	< 11.2												
Benzo(a)pyrene	2016-06	ug/L			< 11.4	< 11.4												
Benzo(a)pyrene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Benzo(a)pyrene	2023-01	ug/L															< 10.9	
Benzo(a)pyrene	2023-03	ug/L															< 10.4	
Benzo(a)pyrene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Benzo(b)fluoranthene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Benzo(b)fluoranthene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(b)fluoranthene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Benzo(b)fluoranthene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Benzo(b)fluoranthene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Benzo(b)fluoranthene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Benzo(b)fluoranthene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Benzo(b)fluoranthene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Benzo(b)fluoranthene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Benzo(b)fluoranthene	2016-03	ug/L			< 11.1	< 11.2												
Benzo(b)fluoranthene	2016-06	ug/L			< 11.4	< 11.4												
Benzo(b)fluoranthene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Benzo(b)fluoranthene	2023-01	ug/L															< 10.9	
Benzo(b)fluoranthene	2023-03	ug/L															< 10.4	
Benzo(b)fluoranthene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Benzo(ghi)perylene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Benzo(ghi)perylene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(ghi)perylene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Benzo(ghi)perylene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Benzo(ghi)perylene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Benzo(ghi)perylene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Benzo(ghi)perylene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Benzo(ghi)perylene	2011-09	ug/L																
Benzo(ghi)perylene	2012-03	ug/L																
Benzo(ghi)perylene	2012-09	ug/L																
Benzo(ghi)perylene	2013-03	ug/L																
Benzo(ghi)perylene	2013-09	ug/L																
Benzo(ghi)perylene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Benzo(ghi)perylene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Benzo(ghi)perylene	2016-03	ug/L			< 11.1	< 11.2												
Benzo(ghi)perylene	2016-06	ug/L			< 11.4	< 11.4												
Benzo(ghi)perylene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Benzo(ghi)perylene	2023-01	ug/L															< 10.9	
Benzo(ghi)perylene	2023-03	ug/L															< 10.4	
Benzo(ghi)perylene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Benzo(k)fluoranthene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Benzo(k)fluoranthene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(k)fluoranthene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Benzo(k)fluoranthene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Benzo(k)fluoranthene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Benzo(k)fluoranthene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Benzo(k)fluoranthene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Benzo(a)pyrene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Benzo(a)pyrene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Benzo(a)pyrene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Benzo(a)pyrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Benzo(a)pyrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Benzo(a)pyrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Benzo(a)pyrene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Benzo(a)pyrene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Benzo(a)pyrene	2016-03	ug/L					< 10.9			< 11.2							
Benzo(a)pyrene	2016-06	ug/L															
Benzo(a)pyrene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Benzo(a)pyrene	2023-01	ug/L															
Benzo(a)pyrene	2023-03	ug/L					< 10			< 10							
Benzo(a)pyrene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Benzo(b)fluoranthene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Benzo(b)fluoranthene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Benzo(b)fluoranthene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Benzo(b)fluoranthene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Benzo(b)fluoranthene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Benzo(b)fluoranthene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Benzo(b)fluoranthene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Benzo(b)fluoranthene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Benzo(b)fluoranthene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Benzo(b)fluoranthene	2016-03	ug/L					< 10.9			< 11.2							
Benzo(b)fluoranthene	2016-06	ug/L															
Benzo(b)fluoranthene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Benzo(b)fluoranthene	2023-01	ug/L															
Benzo(b)fluoranthene	2023-03	ug/L					< 10			< 10							
Benzo(b)fluoranthene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Benzo(ghi)perylene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Benzo(ghi)perylene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Benzo(ghi)perylene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Benzo(ghi)perylene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	**0.484 J**	< 10.0	< 10.0								
Benzo(ghi)perylene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Benzo(ghi)perylene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Benzo(ghi)perylene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Benzo(ghi)perylene	2011-09	ug/L					< 10.0										
Benzo(ghi)perylene	2012-03	ug/L					< 10.0										
Benzo(ghi)perylene	2012-09	ug/L					< 10.0										
Benzo(ghi)perylene	2013-03	ug/L					< 11.8										
Benzo(ghi)perylene	2013-09	ug/L					< 10.6										
Benzo(ghi)perylene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Benzo(ghi)perylene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Benzo(ghi)perylene	2016-03	ug/L					< 10.9			< 11.2							
Benzo(ghi)perylene	2016-06	ug/L															
Benzo(ghi)perylene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Benzo(ghi)perylene	2023-01	ug/L															
Benzo(ghi)perylene	2023-03	ug/L					< 10			< 10							
Benzo(ghi)perylene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Benzo(k)fluoranthene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Benzo(k)fluoranthene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Benzo(k)fluoranthene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Benzo(k)fluoranthene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Benzo(k)fluoranthene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Benzo(k)fluoranthene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Benzo(k)fluoranthene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(k)fluoranthene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Benzo(k)fluoranthene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Benzo(k)fluoranthene	2016-03	ug/L			< 11.1	< 11.2												
Benzo(k)fluoranthene	2016-06	ug/L			< 11.4	< 11.4												
Benzo(k)fluoranthene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Benzo(k)fluoranthene	2023-01	ug/L															< 10.9	
Benzo(k)fluoranthene	2023-03	ug/L															< 10.4	
Benzo(k)fluoranthene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Benzyl Alcohol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Benzyl Alcohol	2009-03	ug/L	< 10	< 10	**1.19 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**1.51 J**
Benzyl Alcohol	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Benzyl Alcohol	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Benzyl Alcohol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Benzyl Alcohol	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Benzyl Alcohol	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Benzyl Alcohol	2011-09	ug/L																
Benzyl Alcohol	2012-03	ug/L			< 10.0													< 10.0
Benzyl Alcohol	2012-09	ug/L			< 10.0													< 10.0
Benzyl Alcohol	2013-03	ug/L																< 10.2
Benzyl Alcohol	2013-05	ug/L			< 11.2													
Benzyl Alcohol	2013-09	ug/L			< 10.2													< 10.2
Benzyl Alcohol	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Benzyl Alcohol	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Benzyl Alcohol	2016-03	ug/L			< 11.1	< 11.2												
Benzyl Alcohol	2016-06	ug/L			< 11.4	< 11.4												
Benzyl Alcohol	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Benzyl Alcohol	2023-01	ug/L															< 10.9	
Benzyl Alcohol	2023-03	ug/L															< 10.4	
Benzyl Alcohol	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Beryllium	2008-08	mg/L	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Beryllium	2009-03	mg/L	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Beryllium	2009-07	mg/L	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Beryllium	2009-09	mg/L	< 0.001	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2010-03	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Beryllium	2010-09	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Beryllium	2011-03	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Beryllium	2011-09	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Beryllium	2012-03	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Beryllium	2012-09	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Beryllium	2013-03	mg/L	< 0.00100	< 0.001		< 0.00100	< 0.00100		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.00100	< 0.00100	< 0.001	< 0.001
Beryllium	2013-05	mg/L			< 0.00100			< 0.00100										
Beryllium	2013-09	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Beryllium	2013-11	mg/L																
Beryllium	2014-03	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Beryllium	2014-06	mg/L																
Beryllium	2014-09	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2015-03	mg/L	< 0.001	**0.000091 J**	< 0.00100	< 0.00100	< 0.00100	**0.0000400 J**	< 0.00100	< 0.00100	< 0.001	< 0.001	< 0.00100	< 0.00100	< 0.001	< 0.001	< 0.001	< 0.00100
Beryllium	2015-09	mg/L	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001			< 0.001	**0.000048 J**	< 0.001	**0.000039 J**		< 0.001	< 0.001	
Beryllium	2015-10	mg/L			< 0.001				< 0.001	< 0.001					< 0.001			< 0.001
Beryllium	2016-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2016-06	mg/L			< 0.001	< 0.001												
Beryllium	2016-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.00105**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2017-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2017-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2017-11	mg/L																
Beryllium	2018-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Benzo(k)fluoranthene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Benzo(k)fluoranthene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Benzo(k)fluoranthene	2016-03	ug/L					< 10.9			< 11.2							
Benzo(k)fluoranthene	2016-06	ug/L															
Benzo(k)fluoranthene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Benzo(k)fluoranthene	2023-01	ug/L															
Benzo(k)fluoranthene	2023-03	ug/L					< 10			< 10							
Benzo(k)fluoranthene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Benzyl Alcohol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Benzyl Alcohol	2009-03	ug/L	**1.17 J**	< 10	< 10	< 10	< 10	**1.39 J**	**1.3 J**								
Benzyl Alcohol	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Benzyl Alcohol	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Benzyl Alcohol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Benzyl Alcohol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Benzyl Alcohol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Benzyl Alcohol	2011-09	ug/L	< 10.0				< 10.0	< 10.0									
Benzyl Alcohol	2012-03	ug/L	< 10.0				< 10.0	< 10.0	< 10.0								
Benzyl Alcohol	2012-09	ug/L	< 10.0				< 10.0	< 10.0	< 10.0								
Benzyl Alcohol	2013-03	ug/L	< 10.2				< 11.8	< 11.1	< 10								
Benzyl Alcohol	2013-05	ug/L															
Benzyl Alcohol	2013-09	ug/L	< 10.4					< 10.1	< 11.2								
Benzyl Alcohol	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Benzyl Alcohol	2015-10	ug/L	< 11.8		< 10.3					< 11							
Benzyl Alcohol	2016-03	ug/L					< 10.9			< 11.2							
Benzyl Alcohol	2016-06	ug/L															
Benzyl Alcohol	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Benzyl Alcohol	2023-01	ug/L															
Benzyl Alcohol	2023-03	ug/L					< 10			< 10							
Benzyl Alcohol	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Beryllium	2008-08	mg/L	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004								
Beryllium	2009-03	mg/L	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004								
Beryllium	2009-07	mg/L	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004								
Beryllium	2009-09	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100									
Beryllium	2010-03	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100								
Beryllium	2010-09	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100								
Beryllium	2011-03	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100								
Beryllium	2011-09	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100								
Beryllium	2012-03	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100								
Beryllium	2012-09	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100								
Beryllium	2013-03	mg/L	< 0.001	< 0.001	< 0.00100		< 0.00100	< 0.001	< 0.001								
Beryllium	2013-05	mg/L															
Beryllium	2013-09	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	~~**0.000348 J**~~	< 0.00100	**0.000637 J**	< 0.00100	< 0.00100	**0.000330 J**		
Beryllium	2013-11	mg/L								~~< 0.00100~~	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100		
Beryllium	2014-03	mg/L	< 0.00100	< 0.00100	< 0.00100	**0.00162**	< 0.00100	< 0.00100	< 0.00100	~~< 0.00100~~	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100		
Beryllium	2014-06	mg/L								~~< 0.00100~~	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100		
Beryllium	2014-09	mg/L	< 0.001	**0.000045 J**	< 0.001	**0.000052 J**	< 0.001	< 0.001	< 0.001	~~< 0.001~~	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Beryllium	2015-03	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.001	**0.000044 J**	< 0.001	**0.0000410 J**	< 0.00100	< 0.00100	**0.0000640 J**	< 0.00100	< 0.00100		
Beryllium	2015-09	mg/L		< 0.001		< 0.001	< 0.001	< 0.001	< 0.001								
Beryllium	2015-10	mg/L	< 0.001		< 0.001					< 0.001	< 0.001	**0.000048 J**	< 0.001	< 0.001	< 0.001		
Beryllium	2016-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Beryllium	2016-06	mg/L															
Beryllium	2016-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Beryllium	2017-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Beryllium	2017-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Beryllium	2017-11	mg/L														< 0.001	< 0.001
Beryllium	2018-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

Table 14
Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	2018-06	mg/L																
Beryllium	2018-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2018-09	mg/L					< 0.001						< 0.001	< 0.001				
Beryllium	2018-11	mg/L																
Beryllium	2019-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2019-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2020-03	mg/L	< 0.001	< 0.001	< 0.001			< 0.001		< 0.001	< 0.004	< 0.001	< 0.001	< 0.004	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2020-04	mg/L				< 0.001	< 0.001		< 0.001									
Beryllium	2020-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2021-03	mg/L							< 0.001	< 0.001	< 0.001	< 0.001						
Beryllium	2021-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2022-03	mg/L							< 0.001	< 0.004	< 0.001	< 0.001						
Beryllium	2022-08	mg/L	< 0.001 J	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2023-01	mg/L															< 0.001	
Beryllium	2023-03	mg/L							< 0.001	< 0.001	< 0.001	< 0.001					< 0.001	
Beryllium	2023-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2024-03	mg/L							< 0.001	< 0.001	< 0.001	< 0.001						
Beryllium	2024-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2025-03	mg/L							< 0.001	< 0.001	< 0.001	< 0.001						
Beryllium	2025-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
beta-BHC	2008-08	ug/L	< 0.053			< 0.054	< 0.062	< 0.052	< 0.061	< 0.047	< 0.053	< 0.053	< 0.056	< 0.056	< 0.058	< 0.053		< 0.053
beta-BHC	2008-09	ug/L		< 0.016	< 0.016												< 0.016	
beta-BHC	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
beta-BHC	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	
beta-BHC	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
beta-BHC	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
beta-BHC	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	**0.0358**	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
beta-BHC	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
beta-BHC	2011-09	ug/L							< 0.0320									
beta-BHC	2012-03	ug/L							< 0.0320									
beta-BHC	2012-09	ug/L							< 0.0320									
beta-BHC	2013-03	ug/L							**0.00786 J**									
beta-BHC	2013-09	ug/L							< 0.0320									
beta-BHC	2014-03	ug/L							**0.0162 J**									
beta-BHC	2014-09	ug/L							**0.00884 J**									
beta-BHC	2015-03	ug/L							< 0.0320									
beta-BHC	2015-09	ug/L	< 0.036	< 0.0356			< 0.0352	< 0.0386			**0.0102 J**	< 0.0352	< 0.0333	< 0.036		< 0.0356	< 0.0376	
beta-BHC	2015-10	ug/L							**0.00941 J**	**0.0079 J**					< 0.0386			< 0.0368
beta-BHC	2016-03	ug/L			< 0.032	< 0.0356			**0.0379**									
beta-BHC	2016-06	ug/L			< 0.0364	**0.00577 J**												
beta-BHC	2016-08	ug/L							**0.0156 J**									
beta-BHC	2017-03	ug/L							**0.00963 J**									
beta-BHC	2017-08	ug/L							< 0.0356									
beta-BHC	2018-03	ug/L							< 0.0344									
beta-BHC	2018-08	ug/L							**0.00937 J**									
beta-BHC	2019-03	ug/L							< 0.0356									
beta-BHC	2019-08	ug/L							< 0.0337									
beta-BHC	2020-03	ug/L																
beta-BHC	2020-04	ug/L							< 0.0386									
beta-BHC	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	**0.00634 J**	< 0.0376	< 0.0376	**0.0136 J**	< 0.0416	**0.00739 J**	< 0.0368	< 0.0386	**0.00983 J**	< 0.0395	< 0.039	< 0.0381	< 0.04
beta-BHC	2021-03	ug/L							< 0.0356									
beta-BHC	2021-08	ug/L							< 0.0372									
beta-BHC	2022-03	ug/L							< 0.08									
beta-BHC	2022-08	ug/L							< 0.064									
beta-BHC	2023-01	ug/L															< 0.0727	
beta-BHC	2023-03	ug/L							< 0.064								< 0.0667	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Beryllium	2018-06	mg/L														< 0.001	< 0.001
Beryllium	2018-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001			
Beryllium	2018-09	mg/L													< 0.001	< 0.001	< 0.001
Beryllium	2018-11	mg/L														< 0.001	< 0.001
Beryllium	2019-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2019-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2020-03	mg/L	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001
Beryllium	2020-04	mg/L			< 0.001									< 0.001			
Beryllium	2020-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Beryllium	2021-03	mg/L		< 0.001			< 0.001			< 0.001							
Beryllium	2021-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Beryllium	2022-03	mg/L		< 0.004			< 0.001			< 0.001							
Beryllium	2022-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Beryllium	2023-01	mg/L															
Beryllium	2023-03	mg/L		< 0.001			< 0.001			< 0.001							
Beryllium	2023-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Beryllium	2024-03	mg/L		< 0.001			< 0.001			< 0.001							
Beryllium	2024-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Beryllium	2025-03	mg/L		< 0.001			< 0.001			< 0.001							
Beryllium	2025-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
beta-BHC	2008-08	ug/L		< 0.047	< 0.051	< 0.055											
beta-BHC	2008-09	ug/L	< 0.016				< 0.016	< 0.016	< 0.016								
beta-BHC	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
beta-BHC	2009-07	ug/L					< 0.0320		< 0.0320								
beta-BHC	2009-09	ug/L					< 0.0320		< 0.0320								
beta-BHC	2010-03	ug/L					< 0.0320		< 0.0320								
beta-BHC	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
beta-BHC	2011-03	ug/L					< 0.0320										
beta-BHC	2011-09	ug/L					< 0.0320										
beta-BHC	2012-03	ug/L					< 0.0320		< 0.0320								
beta-BHC	2012-09	ug/L															
beta-BHC	2013-03	ug/L					< 0.0333										
beta-BHC	2013-09	ug/L															
beta-BHC	2014-03	ug/L					< 0.0348										
beta-BHC	2014-09	ug/L					< 0.032										
beta-BHC	2015-03	ug/L					< 0.036										
beta-BHC	2015-09	ug/L		**0.0257 J**		< 0.0356	< 0.0368	< 0.0356	< 0.0352								
beta-BHC	2015-10	ug/L	< 0.0372		**0.00728 J**					< 0.0372							
beta-BHC	2016-03	ug/L					**0.00996 J**			< 0.0356							
beta-BHC	2016-06	ug/L															
beta-BHC	2016-08	ug/L					< 0.0356			< 0.0356							
beta-BHC	2017-03	ug/L					< 0.0337			< 0.0372							
beta-BHC	2017-08	ug/L					< 0.0356			< 0.0356							
beta-BHC	2018-03	ug/L					< 0.0444			< 0.0372							
beta-BHC	2018-08	ug/L					< 0.0451			< 0.0381							
beta-BHC	2019-03	ug/L					< 0.039			< 0.0395							
beta-BHC	2019-08	ug/L					< 0.0346			< 0.034							
beta-BHC	2020-03	ug/L					< 0.0427			< 0.0376							
beta-BHC	2020-04	ug/L															
beta-BHC	2020-08	ug/L	< 0.039	< 0.0376	< 0.0337	< 0.0386	< 0.0438	< 0.0368	< 0.0356	< 0.0352							
beta-BHC	2021-03	ug/L					< 0.041			< 0.0381							
beta-BHC	2021-08	ug/L					< 0.04			< 0.0368							
beta-BHC	2022-03	ug/L					< 0.064			< 0.08							
beta-BHC	2022-08	ug/L					< 0.0667		< 0.064	< 0.0604							
beta-BHC	2023-01	ug/L															
beta-BHC	2023-03	ug/L					< 0.0696			< 0.064							

Table 14

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
beta-BHC	2023-08	ug/L							< 0.0711									
beta-BHC	2024-03	ug/L							< 0.0696									
beta-BHC	2024-08	ug/L							< 0.064									
beta-BHC	2025-03	ug/L							< 0.0916									
beta-BHC	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954		< 0.0959
bis(2-Chloroethoxy)methane	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
bis(2-Chloroethoxy)methane	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
bis(2-Chloroethoxy)methane	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
bis(2-Chloroethoxy)methane	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
bis(2-Chloroethoxy)methane	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
bis(2-Chloroethoxy)methane	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
bis(2-Chloroethoxy)methane	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
bis(2-Chloroethoxy)methane	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
bis(2-Chloroethoxy)methane	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
bis(2-Chloroethoxy)methane	2016-03	ug/L			< 11.1	< 11.2												
bis(2-Chloroethoxy)methane	2016-06	ug/L			< 11.4	< 11.4												
bis(2-Chloroethoxy)methane	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
bis(2-Chloroethoxy)methane	2023-01	ug/L															< 10.9	
bis(2-Chloroethoxy)methane	2023-03	ug/L															< 10.4	
bis(2-Chloroethoxy)methane	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
bis(2-Chloroethyl)ether	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
bis(2-Chloroethyl)ether	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
bis(2-Chloroethyl)ether	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
bis(2-Chloroethyl)ether	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
bis(2-Chloroethyl)ether	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
bis(2-Chloroethyl)ether	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
bis(2-Chloroethyl)ether	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
bis(2-Chloroethyl)ether	2011-09	ug/L																
bis(2-Chloroethyl)ether	2012-03	ug/L																
bis(2-Chloroethyl)ether	2012-09	ug/L																
bis(2-Chloroethyl)ether	2013-03	ug/L																
bis(2-Chloroethyl)ether	2013-09	ug/L																
bis(2-Chloroethyl)ether	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
bis(2-Chloroethyl)ether	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
bis(2-Chloroethyl)ether	2016-03	ug/L			< 11.1	< 11.2												
bis(2-Chloroethyl)ether	2016-06	ug/L			< 11.4	< 11.4												
bis(2-Chloroethyl)ether	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
bis(2-Chloroethyl)ether	2023-01	ug/L															< 10.9	
bis(2-Chloroethyl)ether	2023-03	ug/L															< 10.4	
bis(2-Chloroethyl)ether	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
bis(2-Ethylhexyl)phthalate	2008-08	ug/L	**3.9 J**	**7.2 J**	**3.47 J**	**12.9**	< 10	**10.3**	< 10	< 10	< 11.1	< 10	< 10	< 10	**2.47 J**	**14.9**	**28**	< 10
bis(2-Ethylhexyl)phthalate	2009-03	ug/L	**17**	**29.1**	**23.5**	< 10	**6.03 J**	**13.7**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**6.89 J**	< 10	< 10
bis(2-Ethylhexyl)phthalate	2009-07	ug/L	**6.99 J**	**5.83 J**	**18.0**	**11.6**		**5.14 J**		< 10			**0.385 J**		< 10	**6.65 J**	**1.14 J**	**0.512 J**
bis(2-Ethylhexyl)phthalate	2009-09	ug/L	< 10	**23.0**	**11.6**	< 10.0		**26.9**		**0.445 J**			**0.578 J**		< 10	**3.03 J**	**28**	**1.23 J**
bis(2-Ethylhexyl)phthalate	2010-03	ug/L	< 10.0	**0.415 J**	**0.419 J**	**0.552 J**	**1.64 J**	< 10.0		< 10.0			< 10.0		**0.458 J**	**3.66 J**	**1.68 J**	**1.10 J**
bis(2-Ethylhexyl)phthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	**1.30 J**	**1.04 J**	
bis(2-Ethylhexyl)phthalate	2011-03	ug/L	< 10.0 UJ	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	**0.489 J**		< 10.0	**0.681 J**	**0.960 J**	
bis(2-Ethylhexyl)phthalate	2011-09	ug/L	< 10.0	< 10.0				< 10.0		< 10.0			< 10.0		< 10.0	**1.76 J**	< 10.0	
bis(2-Ethylhexyl)phthalate	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	**1.21 J**	**0.885 J**	**0.568 J**
bis(2-Ethylhexyl)phthalate	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			**1.58 J**		< 10.0	**1.50 J**	**0.689 J**	**0.823 J**
bis(2-Ethylhexyl)phthalate	2013-03	ug/L	< 10.9 J	< 10.2 J		< 11.0 J	< 11.0 J			**0.904 J**			< 10.5 J		< 10.5 J	< 11.0 J	< 10.6 J	< 10.2 J
bis(2-Ethylhexyl)phthalate	2013-05	ug/L			< 11.2 J			< 10.2 J										
bis(2-Ethylhexyl)phthalate	2013-09	ug/L	< 11.0	< 10.2	< 10.2	**0.489 J**	**0.507 J**	< 10.2 J		< 10.4 J			< 10.3		< 11.4	< 11.2 J	< 12.8 J	< 10.2 J
bis(2-Ethylhexyl)phthalate	2014-03	ug/L	< 10.3	< 10.4				< 10.2								**13.7**	**0.684 J**	
bis(2-Ethylhexyl)phthalate	2014-09	ug/L	< 10.2	< 10				< 10								**1.97 J**	< 10	
bis(2-Ethylhexyl)phthalate	2015-03	ug/L	< 11.1 J	< 11 J				< 11.2								< 11 J	< 10.9 J	

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
beta-BHC	2023-08	ug/L					< 0.0604			< 0.0711							
beta-BHC	2024-03	ug/L					< 0.0681			< 0.0681							
beta-BHC	2024-08	ug/L					< 0.064			< 0.0696							
beta-BHC	2025-03	ug/L					< 0.0936			< 0.0933							
beta-BHC	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
bis(2-Chloroethoxy)methane	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
bis(2-Chloroethoxy)methane	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
bis(2-Chloroethoxy)methane	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
bis(2-Chloroethoxy)methane	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
bis(2-Chloroethoxy)methane	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
bis(2-Chloroethoxy)methane	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
bis(2-Chloroethoxy)methane	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
bis(2-Chloroethoxy)methane	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
bis(2-Chloroethoxy)methane	2015-10	ug/L	< 11.8		< 10.3					< 11							
bis(2-Chloroethoxy)methane	2016-03	ug/L					< 10.9			< 11.2							
bis(2-Chloroethoxy)methane	2016-06	ug/L															
bis(2-Chloroethoxy)methane	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
bis(2-Chloroethoxy)methane	2023-01	ug/L															
bis(2-Chloroethoxy)methane	2023-03	ug/L					< 10			< 10							
bis(2-Chloroethoxy)methane	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
bis(2-Chloroethyl)ether	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
bis(2-Chloroethyl)ether	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
bis(2-Chloroethyl)ether	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
bis(2-Chloroethyl)ether	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
bis(2-Chloroethyl)ether	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
bis(2-Chloroethyl)ether	2010-09	ug/L	< 10.0	**0.324 J**	< 10.0	< 10.0	< 10.0										
bis(2-Chloroethyl)ether	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
bis(2-Chloroethyl)ether	2011-09	ug/L		< 10.0			< 10.0										
bis(2-Chloroethyl)ether	2012-03	ug/L		**0.191 J**			< 10.0										
bis(2-Chloroethyl)ether	2012-09	ug/L		< 10.0			< 10.0										
bis(2-Chloroethyl)ether	2013-03	ug/L		< 10.5			< 11.8										
bis(2-Chloroethyl)ether	2013-09	ug/L		< 10.1													
bis(2-Chloroethyl)ether	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
bis(2-Chloroethyl)ether	2015-10	ug/L	< 11.8		< 10.3					< 11							
bis(2-Chloroethyl)ether	2016-03	ug/L					< 10.9			< 11.2							
bis(2-Chloroethyl)ether	2016-06	ug/L															
bis(2-Chloroethyl)ether	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
bis(2-Chloroethyl)ether	2023-01	ug/L															
bis(2-Chloroethyl)ether	2023-03	ug/L					< 10			< 10							
bis(2-Chloroethyl)ether	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
bis(2-Ethylhexyl)phthalate	2008-08	ug/L	**4.98 J**	< 10	**28**	**2.32 J**	< 10	**15.8**	**2.02 J**								
bis(2-Ethylhexyl)phthalate	2009-03	ug/L	**2.95 J**	< 10	**10.2**	< 10	< 10	**7.4 J**	< 10								
bis(2-Ethylhexyl)phthalate	2009-07	ug/L	< 10.0	**9.13 J**	**15.1**	**3.42 J**	< 10.0	< 11.4	**0.920 J**								
bis(2-Ethylhexyl)phthalate	2009-09	ug/L	**17.6**	**11.9**	**20.0**	< 10.0	< 10.0	**29.7**	**1.14 J**								
bis(2-Ethylhexyl)phthalate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	**0.734 J**								
bis(2-Ethylhexyl)phthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	**0.413 J**										
bis(2-Ethylhexyl)phthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
bis(2-Ethylhexyl)phthalate	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
bis(2-Ethylhexyl)phthalate	2012-03	ug/L	< 10.0	< 10.0	< 10.0	**1.88 J**	**0.500 J**	< 10.0	**1.73 J**								
bis(2-Ethylhexyl)phthalate	2012-09	ug/L	**0.566 J**	< 10.0	< 10.0	< 10.0	**0.409 J**	< 10.0	**3.63 J**								
bis(2-Ethylhexyl)phthalate	2013-03	ug/L	< 10.2 J	< 10.5 J	< 10.6 J		< 11.8 J	< 11.1 J	< 10 J								
bis(2-Ethylhexyl)phthalate	2013-05	ug/L															
bis(2-Ethylhexyl)phthalate	2013-09	ug/L	< 10.4	**0.597 J**	**0.532 J**	**0.652 J**	< 10.6 J	< 10.1	< 11.2 J								
bis(2-Ethylhexyl)phthalate	2014-03	ug/L	< 10.2	< 10.2	< 10.9		< 11.2	< 10.4									
bis(2-Ethylhexyl)phthalate	2014-09	ug/L	< 10.2	< 11.1	< 10		< 11	< 10.2									
bis(2-Ethylhexyl)phthalate	2015-03	ug/L	< 10.8	< 10.6	< 10.3		< 11 J	< 10.5 J									

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
bis(2-Ethylhexyl)phthalate	2015-09	ug/L	< 11.4 J	< 11.1 J			< 11.1 J	< 11.6 J			< 10.9 J	**11.1**	< 10.9 J	< 11.2 J		< 11.4 J	< 10.5 J	
bis(2-Ethylhexyl)phthalate	2015-10	ug/L							< 10.4 J	< 10.5 J					< 11.8 J			< 11.8 J
bis(2-Ethylhexyl)phthalate	2016-03	ug/L	< 11.1 J	< 11 J	< 11.1 J	**11.9**		< 11.1 J				< 10.6 J				< 10.3 J	< 11.2 J	
bis(2-Ethylhexyl)phthalate	2016-06	ug/L			< 11.4	< 11.4												
bis(2-Ethylhexyl)phthalate	2016-08	ug/L	< 11.2	< 10.4	< 11.2	< 11.4		< 11.4				< 11.4				< 11	< 11.1	
bis(2-Ethylhexyl)phthalate	2017-03	ug/L	< 10.4	< 10.3	< 10.5	< 10.3		< 10.4				< 11.1				< 10.5	< 10.5	
bis(2-Ethylhexyl)phthalate	2017-08	ug/L	< 11.1	< 10.5	< 10.5	< 11.1		< 11.1				< 11.1				**0.699 J**	< 11.1	
bis(2-Ethylhexyl)phthalate	2018-03	ug/L	< 11.5	< 11.6	< 11.8	< 12		**3.45 J**				< 11				< 15.5	< 11.5	
bis(2-Ethylhexyl)phthalate	2018-08	ug/L	< 11	< 12	< 11	< 11		< 11.4				< 11.4				< 11.1	< 11.1	
bis(2-Ethylhexyl)phthalate	2019-03	ug/L	< 11.8	< 11.4	< 11.6	< 10.5		< 10.9				< 11				< 11.2	< 11.8	
bis(2-Ethylhexyl)phthalate	2019-08	ug/L	< 10.6	< 10.6	< 10.6	< 10.8		< 10.6				< 10.8				**2.72 J**	< 10.8	
bis(2-Ethylhexyl)phthalate	2020-03	ug/L	< 11.1	< 11.2	< 11.1			< 10.8				< 10.9				< 10.8	< 10.9	
bis(2-Ethylhexyl)phthalate	2020-04	ug/L				< 10.9												
bis(2-Ethylhexyl)phthalate	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
bis(2-Ethylhexyl)phthalate	2021-03	ug/L										< 12.3						
bis(2-Ethylhexyl)phthalate	2021-08	ug/L	< 11.4	< 11.9	< 11.9	< 11.9		< 11.8				< 11.6				< 11.9	< 12	
bis(2-Ethylhexyl)phthalate	2022-03	ug/L										< 11.9						
bis(2-Ethylhexyl)phthalate	2022-08	ug/L	< 10.2	< 10.2	< 10.4	< 10.4						< 10				< 11.1		
bis(2-Ethylhexyl)phthalate	2023-01	ug/L															< 10.9	
bis(2-Ethylhexyl)phthalate	2023-03	ug/L										**7.09 J**					< 10.4	
bis(2-Ethylhexyl)phthalate	2023-08	ug/L	< 10.2	< 11.6	< 9.43	< 10.4						< 10				< 9.8	< 9.43	
bis(2-Ethylhexyl)phthalate	2024-03	ug/L										< 10						
bis(2-Ethylhexyl)phthalate	2024-08	ug/L	< 10	< 10.9	< 9.62	< 11.9						< 11.4				< 10	< 9.62	
bis(2-Ethylhexyl)phthalate	2025-03	ug/L										**9.09 J**						
bis(2-Ethylhexyl)phthalate	2025-08	ug/L	< 10.4	**6.57 J**	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	**10 J**	< 10.2	< 10.2
Bromochloromethane	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2009-07	ug/L	< 5	< 5.00		< 5		< 5	< 5	< 5	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5	
Bromochloromethane	2009-09	ug/L	< 5	< 5.00		< 5.00		< 5.00	< 5.00	< 25.0	< 5.00	< 5	< 5	< 5	< 5	< 5	< 5	
Bromochloromethane	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromochloromethane	2010-09	ug/L	< 5.00	< 5.00	< 5.00			< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	
Bromochloromethane	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 50.0	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromochloromethane	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromochloromethane	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromochloromethane	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromochloromethane	2013-03	ug/L	< 5.00	< 5		< 5.00	< 5.00		< 5	< 5	< 5	< 5	< 5	< 5	< 5.00	< 5.00	< 5	< 5
Bromochloromethane	2013-05	ug/L			< 5.00			< 5.00										
Bromochloromethane	2013-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromochloromethane	2013-11	ug/L																
Bromochloromethane	2014-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromochloromethane	2014-06	ug/L																
Bromochloromethane	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2015-03	ug/L	< 5	< 5	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5	< 5.00
Bromochloromethane	2015-09	ug/L	< 5	< 5		< 5	< 5	< 5			< 5	< 5	< 5	< 5		< 5	< 5	
Bromochloromethane	2015-10	ug/L			< 5				< 5	< 5					< 5			< 5
Bromochloromethane	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2016-06	ug/L			< 5	< 5												
Bromochloromethane	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2017-11	ug/L																
Bromochloromethane	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2018-06	ug/L																
Bromochloromethane	2018-08	ug/L	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Bromochloromethane	2018-09	ug/L					< 5						< 5	< 5				
Bromochloromethane	2018-11	ug/L																

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
bis(2-Ethylhexyl)phthalate	2015-09	ug/L		< 11 J		< 11.2 J	< 11.6 J	**13.9**	**13.9**								
bis(2-Ethylhexyl)phthalate	2015-10	ug/L	< 11.8 J		< 10.3 J					< 11 J							
bis(2-Ethylhexyl)phthalate	2016-03	ug/L	< 11.2 J	< 10.2 J	< 10 J		< 10.9 J	< 11.9 J	< 10.3 J	< 11.2 J							
bis(2-Ethylhexyl)phthalate	2016-06	ug/L															
bis(2-Ethylhexyl)phthalate	2016-08	ug/L	< 10	< 24.1	< 10		< 11.8	< 10	< 11	< 10.6							
bis(2-Ethylhexyl)phthalate	2017-03	ug/L	< 10.5	< 10.3	< 11		< 10.5	< 10.5	< 10.5	< 10.9							
bis(2-Ethylhexyl)phthalate	2017-08	ug/L	< 11.1	< 10.9	< 10.8 J		< 10.6	< 10.9	< 11.1	< 10.4							
bis(2-Ethylhexyl)phthalate	2018-03	ug/L	< 11.1	< 11.1	< 10.8		< 12.5	< 11.1	< 11.5	< 12.3							
bis(2-Ethylhexyl)phthalate	2018-08	ug/L	< 11.6	< 11	< 11		< 13.2	< 11	< 11	< 10.6							
bis(2-Ethylhexyl)phthalate	2019-03	ug/L	< 11	< 11	< 10.9		< 13	< 11.1	< 11.5	< 11.1							
bis(2-Ethylhexyl)phthalate	2019-08	ug/L	< 10.6	< 10.9	< 10.8		< 10.8	< 10.8	< 10.6	< 10.9							
bis(2-Ethylhexyl)phthalate	2020-03	ug/L	< 10.8	< 10.9			< 13.7	< 11.1	< 11.4	< 12.5							
bis(2-Ethylhexyl)phthalate	2020-04	ug/L			< 10.9												
bis(2-Ethylhexyl)phthalate	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
bis(2-Ethylhexyl)phthalate	2021-03	ug/L		< 11.8			< 11.1			< 12.2							
bis(2-Ethylhexyl)phthalate	2021-08	ug/L	< 11.2	< 11.2	< 11.4		< 12.5	< 11.8	< 11	< 10.8							
bis(2-Ethylhexyl)phthalate	2022-03	ug/L		< 11.4			< 10.9			< 11.9							
bis(2-Ethylhexyl)phthalate	2022-08	ug/L	< 10.9	< 10.6	< 10		< 10.4	< 10.4	< 10.4	< 10							
bis(2-Ethylhexyl)phthalate	2023-01	ug/L															
bis(2-Ethylhexyl)phthalate	2023-03	ug/L		**7.57 J**			< 10			< 10							
bis(2-Ethylhexyl)phthalate	2023-08	ug/L	< 10.2	< 10.4	< 10		< 9.62	< 10.6	< 10.9	< 11.4							
bis(2-Ethylhexyl)phthalate	2024-03	ug/L		< 10.2			< 10.4			< 10.6							
bis(2-Ethylhexyl)phthalate	2024-08	ug/L	< 9.62	< 10	< 10		< 10	< 11.4	< 17.9	< 10.9							
bis(2-Ethylhexyl)phthalate	2025-03	ug/L		< 10.4			< 10.6			< 10.4							
bis(2-Ethylhexyl)phthalate	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Bromochloromethane	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5								
Bromochloromethane	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5								
Bromochloromethane	2009-07	ug/L	< 5.00	< 5	< 5	< 5	< 5.00										
Bromochloromethane	2009-09	ug/L	< 5.00	< 25.0	< 5.00	< 5.00	< 5.00										
Bromochloromethane	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Bromochloromethane	2010-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00										
Bromochloromethane	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Bromochloromethane	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Bromochloromethane	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Bromochloromethane	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Bromochloromethane	2013-03	ug/L	< 5	< 5	< 125		< 5.00	< 5	< 5								
Bromochloromethane	2013-05	ug/L															
Bromochloromethane	2013-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromochloromethane	2013-11	ug/L									< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromochloromethane	2014-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromochloromethane	2014-06	ug/L									< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromochloromethane	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5		
Bromochloromethane	2015-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5	< 5	< 5		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromochloromethane	2015-09	ug/L		< 5		< 5	< 5	< 5	< 5								
Bromochloromethane	2015-10	ug/L	< 5		< 5					< 5	< 5	< 5	< 5	< 5	< 5		
Bromochloromethane	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Bromochloromethane	2016-06	ug/L															
Bromochloromethane	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Bromochloromethane	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Bromochloromethane	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Bromochloromethane	2017-11	ug/L														< 5	< 5
Bromochloromethane	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2018-06	ug/L														< 5	< 5
Bromochloromethane	2018-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5			
Bromochloromethane	2018-09	ug/L													< 5	< 5	< 5
Bromochloromethane	2018-11	ug/L														< 5	< 5

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2020-03	ug/L	< 5	< 5	< 5			< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2020-04	ug/L				< 5	< 5		< 5									
Bromochloromethane	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2021-03	ug/L							< 5	< 5	< 5	< 5						
Bromochloromethane	2021-08	ug/L	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2022-03	ug/L							< 5	< 5	< 5	< 5						
Bromochloromethane	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2023-01	ug/L															< 5	
Bromochloromethane	2023-03	ug/L							< 5	< 5	< 5	< 5					< 5	
Bromochloromethane	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2024-03	ug/L							< 5	< 5	< 5	< 5						
Bromochloromethane	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2025-03	ug/L							< 5	< 5	< 5	< 5						
Bromochloromethane	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromodichloromethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
Bromodichloromethane	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
Bromodichloromethane	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromodichloromethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromodichloromethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromodichloromethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromodichloromethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromodichloromethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromodichloromethane	2013-03	ug/L	< 1.00	< 1		< 1.00	< 1.00		< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1
Bromodichloromethane	2013-05	ug/L			< 1.00			< 1.00										
Bromodichloromethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromodichloromethane	2013-11	ug/L																
Bromodichloromethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromodichloromethane	2014-06	ug/L																
Bromodichloromethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2015-03	ug/L	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	< 1.00
Bromodichloromethane	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
Bromodichloromethane	2015-10	ug/L			< 1				< 1	< 1					< 1			< 1
Bromodichloromethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2016-06	ug/L			< 1	< 1												
Bromodichloromethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2017-11	ug/L																
Bromodichloromethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2018-06	ug/L																
Bromodichloromethane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Bromodichloromethane	2018-09	ug/L					< 1						< 1	< 1				
Bromodichloromethane	2018-11	ug/L																
Bromodichloromethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2020-03	ug/L	< 1	< 1	< 1			< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2020-04	ug/L				< 1	< 1		< 1									
Bromodichloromethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2021-03	ug/L							< 1	< 1	< 1	< 1						
Bromodichloromethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2022-03	ug/L							< 1	< 1	< 1	< 1						
Bromodichloromethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Bromochloromethane	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2020-03	ug/L	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5
Bromochloromethane	2020-04	ug/L			< 5									< 5			
Bromochloromethane	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Bromochloromethane	2021-03	ug/L		< 5			< 5			< 5							
Bromochloromethane	2021-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Bromochloromethane	2022-03	ug/L		< 5			< 5			< 5							
Bromochloromethane	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Bromochloromethane	2023-01	ug/L															
Bromochloromethane	2023-03	ug/L		< 5			< 5			< 5							
Bromochloromethane	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Bromochloromethane	2024-03	ug/L		< 5			< 5			< 5							
Bromochloromethane	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Bromochloromethane	2025-03	ug/L		< 5			< 5			< 5							
Bromochloromethane	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Bromodichloromethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Bromodichloromethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Bromodichloromethane	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
Bromodichloromethane	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
Bromodichloromethane	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Bromodichloromethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Bromodichloromethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Bromodichloromethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Bromodichloromethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Bromodichloromethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Bromodichloromethane	2013-03	ug/L	< 1	< 1	< 25.0		< 1.00	< 1	< 1								
Bromodichloromethane	2013-05	ug/L															
Bromodichloromethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Bromodichloromethane	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Bromodichloromethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Bromodichloromethane	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Bromodichloromethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
Bromodichloromethane	2015-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Bromodichloromethane	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
Bromodichloromethane	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
Bromodichloromethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Bromodichloromethane	2016-06	ug/L															
Bromodichloromethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Bromodichloromethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Bromodichloromethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Bromodichloromethane	2017-11	ug/L														< 1	< 1
Bromodichloromethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2018-06	ug/L														< 1	< 1
Bromodichloromethane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
Bromodichloromethane	2018-09	ug/L													< 1	< 1	< 1
Bromodichloromethane	2018-11	ug/L														< 1	< 1
Bromodichloromethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2020-03	ug/L	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
Bromodichloromethane	2020-04	ug/L			< 1									< 1			
Bromodichloromethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Bromodichloromethane	2021-03	ug/L		< 1			< 1			< 1							
Bromodichloromethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Bromodichloromethane	2022-03	ug/L		< 1			< 1			< 1							
Bromodichloromethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2023-01	ug/L															< 1	
Bromodichloromethane	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
Bromodichloromethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2024-03	ug/L							< 1	< 1	< 1	< 1						
Bromodichloromethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2025-03	ug/L							< 1	< 1	< 1	< 1						
Bromodichloromethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2009-07	ug/L	< 5	< 5.00		< 5		< 5	< 5	< 5	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5	
Bromoform	2009-09	ug/L	< 5	< 5.00		< 5.00		< 5.00	< 5.00	< 25.0	< 5.00	< 5	< 5	< 5	< 5	< 5	< 5	
Bromoform	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	2010-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 50.0	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	2013-03	ug/L	< 5.00	< 5		< 5.00	< 5.00		< 5	< 5	< 5	< 5	< 5	< 5 J	< 5.00	< 5.00	< 5	< 5 J
Bromoform	2013-05	ug/L			**0.224 J**			< 5.00										
Bromoform	2013-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	2013-11	ug/L																
Bromoform	2014-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	2014-06	ug/L																
Bromoform	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2015-03	ug/L	< 5	< 5	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5	< 5.00
Bromoform	2015-09	ug/L	< 5	< 5		< 5	< 5	< 5			< 5	< 5	< 5	< 5		< 5	< 5	
Bromoform	2015-10	ug/L			< 5				< 5	< 5					< 5			< 5
Bromoform	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2016-06	ug/L			< 5	< 5												
Bromoform	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2017-11	ug/L																
Bromoform	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2018-06	ug/L																
Bromoform	2018-08	ug/L	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Bromoform	2018-09	ug/L					< 5						< 5	< 5				
Bromoform	2018-11	ug/L																
Bromoform	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2020-03	ug/L	< 5	< 5	< 5			< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2020-04	ug/L				< 5	< 5		< 5									
Bromoform	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2021-03	ug/L							< 5	< 5	< 5	< 5						
Bromoform	2021-08	ug/L	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2022-03	ug/L							< 5	< 5	< 5	< 5						
Bromoform	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2023-01	ug/L															< 5	
Bromoform	2023-03	ug/L							< 5	< 5	< 5	< 5					< 5	
Bromoform	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2024-03	ug/L							< 5	< 5	< 5	< 5						
Bromoform	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2025-03	ug/L							< 5	< 5	< 5	< 5						
Bromoform	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	2008-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2009-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Bromodichloromethane	2023-01	ug/L															
Bromodichloromethane	2023-03	ug/L		< 1			< 1			< 1							
Bromodichloromethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Bromodichloromethane	2024-03	ug/L		< 1			< 1			< 1							
Bromodichloromethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Bromodichloromethane	2025-03	ug/L		< 1			< 1			< 1							
Bromodichloromethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Bromoform	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5								
Bromoform	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5								
Bromoform	2009-07	ug/L	< 5.00	< 5	< 5	< 5	< 5.00										
Bromoform	2009-09	ug/L	< 5.00	< 25.0	< 5.00	< 5.00	< 5.00										
Bromoform	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Bromoform	2010-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Bromoform	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Bromoform	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Bromoform	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Bromoform	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Bromoform	2013-03	ug/L	< 5 J	< 5	< 125		< 5.00	< 5	< 5 J								
Bromoform	2013-05	ug/L															
Bromoform	2013-09	ug/L	< 5.00	< 5.00	< 50.0	< 5.00	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromoform	2013-11	ug/L									< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromoform	2014-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromoform	2014-06	ug/L									< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromoform	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5		
Bromoform	2015-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5	< 5	< 5		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromoform	2015-09	ug/L		< 5		< 5	< 5	< 5	< 5								
Bromoform	2015-10	ug/L	< 5		< 5					< 5	< 5	< 5	< 5	< 5	< 5		
Bromoform	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Bromoform	2016-06	ug/L															
Bromoform	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Bromoform	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Bromoform	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Bromoform	2017-11	ug/L														< 5	< 5
Bromoform	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2018-06	ug/L														< 5	< 5
Bromoform	2018-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5			
Bromoform	2018-09	ug/L													< 5	< 5	< 5
Bromoform	2018-11	ug/L														< 5	< 5
Bromoform	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2020-03	ug/L	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5
Bromoform	2020-04	ug/L			< 5									< 5			
Bromoform	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Bromoform	2021-03	ug/L		< 5			< 5			< 5							
Bromoform	2021-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Bromoform	2022-03	ug/L		< 5			< 5			< 5							
Bromoform	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Bromoform	2023-01	ug/L															
Bromoform	2023-03	ug/L		< 5			< 5			< 5							
Bromoform	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Bromoform	2024-03	ug/L		< 5			< 5			< 5							
Bromoform	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Bromoform	2025-03	ug/L		< 5			< 5			< 5							
Bromoform	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Bromomethane	2008-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4								
Bromomethane	2009-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	2009-07	ug/L	< 4	< 4.00		< 4		< 4	< 4	< 4	< 4	< 4	< 4.00	< 4.00	< 4	< 4	< 4	
Bromomethane	2009-09	ug/L	< 4	< 4.00		< 4.00		< 4.00	< 4.00	< 20.0	< 4.00	< 4	< 4	< 4	< 4	< 4	< 4	
Bromomethane	2010-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Bromomethane	2010-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Bromomethane	2011-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 40.0	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Bromomethane	2011-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 10.0	< 4.00	< 4.00	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 4.00	< 4.00	< 10.0	< 10.0
Bromomethane	2012-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Bromomethane	2012-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Bromomethane	2013-03	ug/L	< 4.00	< 4		< 4.00	< 4.00		< 4	< 4	< 4	< 4	< 4	< 4	< 4.00	< 4.00	< 4	< 4
Bromomethane	2013-05	ug/L			< 4.00			< 4.00										
Bromomethane	2013-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	**4.03**	**3.96 J**	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Bromomethane	2013-11	ug/L																
Bromomethane	2014-03	ug/L	**0.303 J**	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Bromomethane	2014-06	ug/L																
Bromomethane	2014-09	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2015-03	ug/L	< 4	< 4	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4	< 4	< 4.00	< 4.00	< 4	< 4	< 4	< 4.00
Bromomethane	2015-09	ug/L	< 4	< 4		< 4	< 4	< 4			< 4	< 4	< 4	< 4		< 4	< 4	
Bromomethane	2015-10	ug/L			< 4				< 4	< 4					< 4			< 4
Bromomethane	2016-03	ug/L	< 4	**0.24 J**	< 4	< 4 J	< 4 J	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	**0.368 J**	< 4
Bromomethane	2016-06	ug/L			< 4	< 4												
Bromomethane	2016-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2017-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2017-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2017-11	ug/L																
Bromomethane	2018-03	ug/L	**0.335 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	**0.318 J**	< 4	< 4	< 4	< 4	< 4
Bromomethane	2018-06	ug/L																
Bromomethane	2018-08	ug/L	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Bromomethane	2018-09	ug/L					< 4						< 4	< 4				
Bromomethane	2018-11	ug/L																
Bromomethane	2019-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2019-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2020-03	ug/L	< 4	< 4	< 4			< 4		< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2020-04	ug/L				< 4	< 4		< 4									
Bromomethane	2020-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2021-03	ug/L							< 4	< 4	< 4	< 4						
Bromomethane	2021-08	ug/L	< 4	< 4	< 4	< 4	< 40	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2022-03	ug/L							< 4	< 4	< 4	< 4						
Bromomethane	2022-08	ug/L	< 4	< 4	**3.21 J**	< 4	< 4		< 4	**1.1 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2023-01	ug/L															< 4	
Bromomethane	2023-03	ug/L							< 4	< 4	< 4	< 4					< 4	
Bromomethane	2023-08	ug/L	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2024-03	ug/L							< 4	< 4	< 4	< 4						
Bromomethane	2024-08	ug/L	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2025-03	ug/L							< 4	< 4	< 4	< 4						
Bromomethane	2025-08	ug/L	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Butylbenzylphthalate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Butylbenzylphthalate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Butylbenzylphthalate	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Butylbenzylphthalate	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Butylbenzylphthalate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Butylbenzylphthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	**0.570 J**	< 10.0	
Butylbenzylphthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Butylbenzylphthalate	2011-09	ug/L														< 10.0		
Butylbenzylphthalate	2012-03	ug/L														< 10.0		
Butylbenzylphthalate	2012-09	ug/L														< 10.0		
Butylbenzylphthalate	2013-03	ug/L														< 11.0		

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Bromomethane	2009-07	ug/L	< 4.00	< 4	< 4	< 4	< 4.00										
Bromomethane	2009-09	ug/L	< 4.00	< 20.0	< 4.00	< 4.00	< 4.00										
Bromomethane	2010-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00								
Bromomethane	2010-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00								
Bromomethane	2011-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00								
Bromomethane	2011-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00								
Bromomethane	2012-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00								
Bromomethane	2012-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00								
Bromomethane	2013-03	ug/L	< 4	< 4	< 100		< 4.00	< 4	< 4								
Bromomethane	2013-05	ug/L															
Bromomethane	2013-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Bromomethane	2013-11	ug/L									< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Bromomethane	2014-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Bromomethane	2014-06	ug/L									< 4.00	< 4.00 J	< 4.00	< 4.00	< 4.00		
Bromomethane	2014-09	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4		
Bromomethane	2015-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4	< 4	< 4		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Bromomethane	2015-09	ug/L		< 4		< 4	< 4	< 4	< 4								
Bromomethane	2015-10	ug/L	< 4		< 4					< 4	< 4	< 4	< 4	< 4	< 4		
Bromomethane	2016-03	ug/L	< 4	< 4	< 4	< 4	< 4	**0.252 J**	< 4	< 4	< 4	< 4	< 4	< 4 J	< 4 J		
Bromomethane	2016-06	ug/L															
Bromomethane	2016-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		
Bromomethane	2017-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		
Bromomethane	2017-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		
Bromomethane	2017-11	ug/L														**0.575 J**	**1.08 J**
Bromomethane	2018-03	ug/L	< 4	**0.266 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2018-06	ug/L														< 4	< 4
Bromomethane	2018-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4			
Bromomethane	2018-09	ug/L													< 4	< 4	< 4
Bromomethane	2018-11	ug/L														< 4	< 4
Bromomethane	2019-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2019-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2020-03	ug/L	< 4	< 4		< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4
Bromomethane	2020-04	ug/L			< 4									< 4			
Bromomethane	2020-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Bromomethane	2021-03	ug/L		< 4			< 4			< 4							
Bromomethane	2021-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Bromomethane	2022-03	ug/L		< 4			< 4			< 4							
Bromomethane	2022-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Bromomethane	2023-01	ug/L															
Bromomethane	2023-03	ug/L		< 4			< 4			< 4							
Bromomethane	2023-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Bromomethane	2024-03	ug/L		< 4			< 4			< 4							
Bromomethane	2024-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Bromomethane	2025-03	ug/L		< 4			< 4			< 4							
Bromomethane	2025-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Butylbenzylphthalate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Butylbenzylphthalate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Butylbenzylphthalate	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Butylbenzylphthalate	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Butylbenzylphthalate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Butylbenzylphthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Butylbenzylphthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	**0.699 J**									
Butylbenzylphthalate	2011-09	ug/L					< 10.0	**6.50 J**									
Butylbenzylphthalate	2012-03	ug/L					**0.341 J**	< 10.0									
Butylbenzylphthalate	2012-09	ug/L					< 10.0	< 10.0									
Butylbenzylphthalate	2013-03	ug/L					< 11.8	< 11.1									

Table 14

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Butylbenzylphthalate	2013-09	ug/L														< 11.2		
Butylbenzylphthalate	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Butylbenzylphthalate	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Butylbenzylphthalate	2016-03	ug/L			< 11.1	< 11.2												
Butylbenzylphthalate	2016-06	ug/L			< 11.4	< 11.4												
Butylbenzylphthalate	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Butylbenzylphthalate	2023-01	ug/L															< 10.9	
Butylbenzylphthalate	2023-03	ug/L															< 10.4	
Butylbenzylphthalate	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Cadmium	2008-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cadmium	2009-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cadmium	2009-07	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cadmium	2009-09	mg/L	< 0.0005	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Cadmium	2010-03	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	**0.00133**	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Cadmium	2010-09	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Cadmium	2011-03	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Cadmium	2011-09	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Cadmium	2012-03	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	**0.000630**	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Cadmium	2012-09	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	**0.000612**	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Cadmium	2013-03	mg/L	**0.000224 J**	**0.000305 J**		< 0.000500	**0.000221 J**		< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.00182**	**0.000295 J**	< 0.000500	< 0.000500	< 0.0005	**0.000338 J**
Cadmium	2013-05	mg/L			< 0.0100			< 0.0100										
Cadmium	2013-09	mg/L	< 0.000500	< 0.000500	< 0.000500	**0.000352 J**	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	**0.000329 J**	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Cadmium	2013-11	mg/L																
Cadmium	2014-03	mg/L	< 0.000500	< 0.000500	< 0.000500	**0.000277 J**	**0.000102 J**	< 0.000500	< 0.000500	**0.00128**	< 0.000500	**0.0000994 J**	< 0.000500	**0.000108 J**	**0.000123 J**	< 0.000500	< 0.000500	< 0.000500
Cadmium	2014-06	mg/L																
Cadmium	2014-09	mg/L	< 0.0005	< 0.0005	< 0.0005	**0.000357 J**	**0.000297 J**	< 0.0005	< 0.0005	**0.000183 J**	< 0.0005	< 0.0005	**0.000117 J**	**0.000149 J**	**0.000112 J**	< 0.0005	**0.000144 J**	< 0.0005
Cadmium	2015-03	mg/L	< 0.0005	**0.000416 J**	**0.000137 J**	**0.000280 J**	**0.000155 J**	< 0.000500	< 0.000500	< 0.000500	< 0.0005	< 0.0005	**0.000291 J**	**0.000179 J**	< 0.0005	< 0.0005	< 0.0005	< 0.000500
Cadmium	2015-09	mg/L	< 0.0005	**0.000171 J**		**0.000214 J**	< 0.0005	< 0.0005			< 0.0005	< 0.0005	**0.000167 J**	**0.000142 J**		< 0.0005	< 0.0005	
Cadmium	2015-10	mg/L			< 0.0005				< 0.0005	< 0.0005					< 0.0005			< 0.0005
Cadmium	2016-03	mg/L	< 0.0005	< 0.0005	< 0.0005	**0.00019 J**	**0.000141 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000055 J**	**0.00014 J**	**0.0001 J**	**0.000068 J**	< 0.0005	< 0.0005	< 0.0005
Cadmium	2016-06	mg/L			< 0.0005	**0.000132 J**												
Cadmium	2016-08	mg/L	**0.000044 J**	**0.00007 J**	**0.000038 J**	**0.000183 J**	**0.000228 J**	< 0.0005	**0.0011**	< 0.0005	< 0.0005	< 0.0005	**0.000168 J**	**0.000202 J**	**0.000159 J**	< 0.0005	< 0.0005	< 0.0005
Cadmium	2017-03	mg/L	< 0.0005	< 0.0005	**0.000075 J**	**0.00018 J**	**0.000379 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000171 J**	**0.000154 J**	**0.000158 J**	< 0.0005	< 0.0005	< 0.0005
Cadmium	2017-08	mg/L	< 0.0005	< 0.0005	< 0.0005	**0.000332 J**	**0.000148 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000164 J**	**0.000131 J**	**0.000211 J**	< 0.0005	< 0.0005	< 0.0005
Cadmium	2017-11	mg/L																
Cadmium	2018-03	mg/L	< 0.0005	**0.000126 J**	**0.000047 J**	**0.000045 J**	**0.0001 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000326 J**	**0.00019 J**	**0.000086 J**	< 0.0005	< 0.0005	< 0.0005
Cadmium	2018-06	mg/L																
Cadmium	2018-08	mg/L	< 0.0005	< 0.0005	< 0.0005	**0.000186 J**		< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005			**0.000132 J**	< 0.0005	< 0.0005	< 0.0005
Cadmium	2018-09	mg/L					**0.000166 J**						< 0.0005	**0.00018 J**				
Cadmium	2018-11	mg/L																
Cadmium	2019-03	mg/L	**0.000086 J**	< 0.0005	**0.000152 J**	**0.000231 J**	**0.000121 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000103 J**	**0.000091 J**	**0.000103 J**	< 0.0005	< 0.0005	< 0.0005
Cadmium	2019-08	mg/L	< 0.0001	< 0.0001	**0.000039 J**	**0.000146**	**0.000066 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000213**	**0.000075 J**	**0.000219**	< 0.0001	< 0.0001	< 0.0001
Cadmium	2020-03	mg/L	< 0.0001	**0.000059 J**	**0.000088 J**			< 0.0001		< 0.0001	< 0.0004	< 0.0001	**0.000122**	**0.00018 J**	**0.000168**	< 0.0001	< 0.0001	< 0.0001
Cadmium	2020-04	mg/L				**0.000275**	**0.000267**		< 0.0001									
Cadmium	2020-08	mg/L	**0.000074 J**	< 0.0001	< 0.0001	**0.000354**	**0.000215**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000138**	**0.000117**	**0.000149**	< 0.0001	< 0.0001	< 0.0001
Cadmium	2021-03	mg/L							< 0.0001	< 0.0001	< 0.0001	< 0.0001						
Cadmium	2021-08	mg/L	< 0.0001	**0.00008 J**	**0.000236**	**0.000262**	**0.000116**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000283**	**0.00014**	**0.000075 J**	< 0.0001	< 0.0001	< 0.0001
Cadmium	2022-03	mg/L							< 0.0001	< 0.0004	< 0.0001	< 0.0001						
Cadmium	2022-08	mg/L	**0.000112 J**	< 0.0001	< 0.0001	**0.000265**	**0.000067 J**		< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000162**	**0.000133**	**0.000204**	< 0.0001	< 0.0001	< 0.0001
Cadmium	2023-01	mg/L															< 0.0001	
Cadmium	2023-03	mg/L							< 0.0001	< 0.0001	**0.000134**	< 0.0001					< 0.0001	
Cadmium	2023-08	mg/L	**0.000191 J**	**0.000111 J**	< 0.0002	**0.000148 J**	**0.000219**		< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000141 J**	< 0.0002	**0.000228**	< 0.0002	< 0.0002	< 0.0002
Cadmium	2024-03	mg/L							< 0.0002	< 0.0002	< 0.0002	< 0.0002						
Cadmium	2024-08	mg/L	< 0.0002	**0.000104 J**	< 0.0002	**0.000476**	< 0.0002		< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000181 J**	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Cadmium	2025-03	mg/L							< 0.0002	< 0.0002	< 0.0002	< 0.0002						
Cadmium	2025-08	mg/L	< 0.0002	< 0.0002	< 0.0002	**0.000507**	< 0.0002		< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000114 J**	< 0.0002	< 0.0002	< 0.0002

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Butylbenzylphthalate	2013-09	ug/L					< 10.6	< 10.1									
Butylbenzylphthalate	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Butylbenzylphthalate	2015-10	ug/L	< 11.8		< 10.3					< 11							
Butylbenzylphthalate	2016-03	ug/L					< 10.9			< 11.2							
Butylbenzylphthalate	2016-06	ug/L															
Butylbenzylphthalate	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Butylbenzylphthalate	2023-01	ug/L															
Butylbenzylphthalate	2023-03	ug/L					< 10			< 10							
Butylbenzylphthalate	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Cadmium	2008-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005								
Cadmium	2009-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005								
Cadmium	2009-07	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005								
Cadmium	2009-09	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500									
Cadmium	2010-03	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500								
Cadmium	2010-09	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500								
Cadmium	2011-03	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500								
Cadmium	2011-09	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500								
Cadmium	2012-03	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500								
Cadmium	2012-09	mg/L	< 0.000500	< 0.000500	< 0.000500	**0.000721**	< 0.000500	< 0.000500	< 0.000500								
Cadmium	2013-03	mg/L	< 0.0005	< 0.0005	< 0.000500		< 0.000500	< 0.0005	< 0.0005								
Cadmium	2013-05	mg/L															
Cadmium	2013-09	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	~~**0.000288 J**~~	< 0.000500	**0.000427 J**	**0.00281**	**0.000410 J**	**0.000272 J**		
Cadmium	2013-11	mg/L								~~**0.000122 J**~~	< 0.000500	< 0.000500	**0.00152**	**0.000458 J**	< 0.000500		
Cadmium	2014-03	mg/L	< 0.000500	< 0.000500	< 0.000500	**0.00192**	< 0.000500	**0.000167 J**	< 0.000500	~~< 0.000500~~	**0.0000793 J**	**0.000115 J**	**0.000843**	**0.000150 J**	**0.000138 J**		
Cadmium	2014-06	mg/L								~~< 0.000500~~	< 0.000500	< 0.000500	**0.00132**	< 0.000500	< 0.000500		
Cadmium	2014-09	mg/L	< 0.0005	< 0.0005	< 0.0005	**0.000226 J**	**0.000128 J**	**0.000152 J**	< 0.0005	~~< 0.0005~~	< 0.0005	< 0.0005	**0.000978**	< 0.0005	< 0.0005		
Cadmium	2015-03	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.0005	**0.000173 J**	< 0.0005	< 0.000500	< 0.000500	< 0.000500	**0.000399 J**	< 0.000500	< 0.000500		
Cadmium	2015-09	mg/L		< 0.0005		< 0.0005	< 0.0005	< 0.0005	< 0.0005								
Cadmium	2015-10	mg/L	< 0.0005		< 0.0005					< 0.0005	< 0.0005	< 0.0005	**0.000719**	< 0.0005	< 0.0005		
Cadmium	2016-03	mg/L	< 0.0005	< 0.0005	< 0.0005	**0.00004 J**	**0.000111 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000585**	< 0.0005	**0.000042 J**		
Cadmium	2016-06	mg/L															
Cadmium	2016-08	mg/L	< 0.0005	< 0.0005	< 0.0005	**0.000056 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000746**	< 0.0005	**0.000068 J**		
Cadmium	2017-03	mg/L	< 0.0005	< 0.0005	< 0.0005	**0.000056 J**	< 0.0005	< 0.0005	**0.000051 J**	< 0.0005	< 0.0005	< 0.0005	**0.000472 J**	< 0.0005	< 0.0005		
Cadmium	2017-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000051 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000665**	< 0.0005	**0.000113 J**		
Cadmium	2017-11	mg/L														< 0.0005	**0.000095 J**
Cadmium	2018-03	mg/L	< 0.0005	**0.000049 J**	< 0.0005	**0.000165 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.00034 J**	< 0.0005	**0.000059 J**	**0.000061 J**	< 0.0005
Cadmium	2018-06	mg/L														< 0.0005	< 0.0005
Cadmium	2018-08	mg/L	< 0.0005	< 0.0005	< 0.0005	**0.000078 J**	~~**0.000076 J**~~	< 0.0005	< 0.0005	< 0.0005		< 0.0005	**0.000582**	< 0.0005			
Cadmium	2018-09	mg/L													**0.000108 J**	**0.000306 J**	< 0.0005
Cadmium	2018-11	mg/L														< 0.0005	< 0.0005
Cadmium	2019-03	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005		< 0.0005	**0.00051**	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Cadmium	2019-08	mg/L	< 0.0001	< 0.0001	< 0.0001	**0.000149**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000681**	< 0.0001	**0.000092 J**	**0.000111**	**0.000054 J**
Cadmium	2020-03	mg/L	< 0.0001	< 0.0001		**0.000139**	**0.000048 J**	< 0.0001	< 0.0001	< 0.0001	**0.000045 J**	< 0.0001	**0.000584**		**0.000097 J**	**0.00014**	**0.00007 J**
Cadmium	2020-04	mg/L			< 0.0001									< 0.0001			
Cadmium	2020-08	mg/L	< 0.0001	< 0.0001	< 0.0001	**0.000066 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001			**0.000524**	< 0.0001	**0.000083 J**		**0.000059 J**
Cadmium	2021-03	mg/L		< 0.0001			< 0.0001			< 0.0001							
Cadmium	2021-08	mg/L	< 0.0001	< 0.0001	**0.000067 J**	< 0.0001	**0.000072 J**	< 0.0001	< 0.0001	< 0.0001			**0.000441**	< 0.0001	**0.000203**		< 0.0001
Cadmium	2022-03	mg/L		< 0.0004			**0.000075 J**			< 0.0001							
Cadmium	2022-08	mg/L	< 0.0001	**0.000121**	< 0.0001	**0.00014**	< 0.0001	< 0.0001	< 0.0001	< 0.0001			**0.0004**	< 0.0001	**0.000205**		< 0.0001
Cadmium	2023-01	mg/L															
Cadmium	2023-03	mg/L		< 0.0001			< 0.0001			~~**0.000111**~~							
Cadmium	2023-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002			**0.000168 J**	< 0.0002	**0.000178 J**		< 0.0002
Cadmium	2024-03	mg/L		< 0.0002			< 0.0002			< 0.0002							
Cadmium	2024-08	mg/L	< 0.0002	< 0.0002	< 0.0002	**0.00017 J**	< 0.0002	< 0.0002	< 0.0002	< 0.0002			**0.00014 J**	< 0.0002	**0.000195 J**		< 0.0002
Cadmium	2025-03	mg/L		< 0.0002			< 0.0002			< 0.0002							
Cadmium	2025-08	mg/L	< 0.0002	< 0.0002	< 0.0002	**0.000148 J**	< 0.0002	< 0.0002	< 0.0002	< 0.0002			< 0.0002	< 0.0002	< 0.0002		< 0.0002

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**1.1**	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
Carbon Disulfide	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
Carbon Disulfide	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Carbon Disulfide	2010-09	ug/L	< 4.00	< 4.00	< 4.00	< 1.00	< 1.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 1.00	< 4.00	< 4.00	< 4.00	< 4.00	< 1.00
Carbon Disulfide	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Carbon Disulfide	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Carbon Disulfide	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Carbon Disulfide	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**5.23**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Carbon Disulfide	2013-03	ug/L	< 1.00	< 1		< 1.00	< 1.00		< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1 J
Carbon Disulfide	2013-05	ug/L			< 1.00			< 1.00 J										
Carbon Disulfide	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Carbon Disulfide	2013-11	ug/L																
Carbon Disulfide	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Carbon Disulfide	2014-06	ug/L																
Carbon Disulfide	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**0.15 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2015-03	ug/L	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	< 1.00
Carbon Disulfide	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
Carbon Disulfide	2015-10	ug/L			< 1				< 1	< 1					< 1			< 1
Carbon Disulfide	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2016-06	ug/L			< 1	< 1												
Carbon Disulfide	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	**0.244 J**	**0.256 J**	**0.293 J**	**0.222 J**	**0.225 J**	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2017-11	ug/L																
Carbon Disulfide	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.152 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2018-06	ug/L																
Carbon Disulfide	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Carbon Disulfide	2018-09	ug/L					< 1						< 1	< 1				
Carbon Disulfide	2018-11	ug/L																
Carbon Disulfide	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2020-03	ug/L	< 1	< 1	< 1			< 1		< 1	**0.487 J**	< 1	< 1	< 1	< 1	< 1	< 1	**0.505 J**
Carbon Disulfide	2020-04	ug/L				< 1	< 1		< 1									
Carbon Disulfide	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2021-03	ug/L							< 1	< 1	< 1	< 1						
Carbon Disulfide	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2022-03	ug/L							< 1	< 1	< 1	< 1						
Carbon Disulfide	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2023-01	ug/L															< 1	
Carbon Disulfide	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
Carbon Disulfide	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2024-03	ug/L							< 1	< 1	< 1	< 1						
Carbon Disulfide	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2025-03	ug/L							< 1	< 1	< 1	< 1						
Carbon Disulfide	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Tetrachloride	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2009-07	ug/L	< 2	< 2.00		< 2		< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2	< 2	< 2	
Carbon Tetrachloride	2009-09	ug/L	< 2	< 2.00		< 2.00		< 2.00	< 2.00	< 10.0	< 2.00	< 2	< 2	< 2	< 2	< 2	< 2	
Carbon Tetrachloride	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Carbon Tetrachloride	2010-09	ug/L	< 5.00	< 5.00	< 5.00	< 4.00	< 4.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 4.00	< 5.00	< 5.00	< 5.00	< 5.00	< 4.00
Carbon Tetrachloride	2011-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 20.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Carbon Tetrachloride	2011-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Carbon Tetrachloride	2012-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Carbon Disulfide	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Carbon Disulfide	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Carbon Disulfide	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
Carbon Disulfide	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
Carbon Disulfide	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Carbon Disulfide	2010-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 1.00	< 1.00								
Carbon Disulfide	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Carbon Disulfide	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Carbon Disulfide	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Carbon Disulfide	2012-09	ug/L	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00								
Carbon Disulfide	2013-03	ug/L	**1.12**	< 1 J	< 25.0		< 1.00	< 1	< 1								
Carbon Disulfide	2013-05	ug/L															
Carbon Disulfide	2013-09	ug/L	**0.181 J**	< 1.00	< 10.0	**0.153 J**	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Carbon Disulfide	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Carbon Disulfide	2014-03	ug/L	< 1.00	**0.270 J**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Carbon Disulfide	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Carbon Disulfide	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
Carbon Disulfide	2015-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Carbon Disulfide	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
Carbon Disulfide	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
Carbon Disulfide	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Carbon Disulfide	2016-06	ug/L															
Carbon Disulfide	2016-08	ug/L	< 1	< 1	**0.289 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Carbon Disulfide	2017-03	ug/L	< 1	< 1	< 1	< 1	**0.152 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Carbon Disulfide	2017-08	ug/L	< 1	< 1	**0.351 J**	**0.216 J**	**4.5**	**0.245 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Carbon Disulfide	2017-11	ug/L					< 1									**0.166 J**	**0.151 J**
Carbon Disulfide	2018-03	ug/L	< 1	< 1	< 1	< 1	**0.175 J**	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2018-06	ug/L														< 1	< 1
Carbon Disulfide	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
Carbon Disulfide	2018-09	ug/L													< 1	< 1	< 1
Carbon Disulfide	2018-11	ug/L														< 1	< 1
Carbon Disulfide	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2020-03	ug/L	**0.529 J**	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
Carbon Disulfide	2020-04	ug/L			< 1									< 1			
Carbon Disulfide	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Carbon Disulfide	2021-03	ug/L		< 1			< 1			< 1							
Carbon Disulfide	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Carbon Disulfide	2022-03	ug/L		< 1			< 1			< 1							
Carbon Disulfide	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Carbon Disulfide	2023-01	ug/L															
Carbon Disulfide	2023-03	ug/L		< 1			< 1			< 1							
Carbon Disulfide	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Carbon Disulfide	2024-03	ug/L		< 1			< 1			< 1							
Carbon Disulfide	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Carbon Disulfide	2025-03	ug/L		< 1			< 1			< 1							
Carbon Disulfide	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Carbon Tetrachloride	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2								
Carbon Tetrachloride	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2								
Carbon Tetrachloride	2009-07	ug/L	< 2.00	< 2	< 2	< 2	< 2.00										
Carbon Tetrachloride	2009-09	ug/L	< 2.00	< 10.0	< 2.00	< 2.00	< 2.00										
Carbon Tetrachloride	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								
Carbon Tetrachloride	2010-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 4.00	< 4.00								
Carbon Tetrachloride	2011-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								
Carbon Tetrachloride	2011-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								
Carbon Tetrachloride	2012-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Tetrachloride	2012-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Carbon Tetrachloride	2013-03	ug/L	< 2.00	< 2		< 2.00	< 2.00		< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2	< 2
Carbon Tetrachloride	2013-05	ug/L			< 2.00			< 2.00										
Carbon Tetrachloride	2013-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Carbon Tetrachloride	2013-11	ug/L																
Carbon Tetrachloride	2014-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Carbon Tetrachloride	2014-06	ug/L																
Carbon Tetrachloride	2014-09	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2015-03	ug/L	< 2	< 2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2	< 2	< 2.00	< 2.00	< 2	< 2	< 2	< 2.00
Carbon Tetrachloride	2015-09	ug/L	< 2	< 2		< 2	< 2	< 2			< 2	< 2	< 2	< 2		< 2	< 2	
Carbon Tetrachloride	2015-10	ug/L			< 2				< 2	< 2					< 2			< 2
Carbon Tetrachloride	2016-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2016-06	ug/L			< 2	< 2												
Carbon Tetrachloride	2016-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2017-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2017-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2017-11	ug/L																
Carbon Tetrachloride	2018-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2018-06	ug/L																
Carbon Tetrachloride	2018-08	ug/L	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2	< 2
Carbon Tetrachloride	2018-09	ug/L					< 2						< 2	< 2				
Carbon Tetrachloride	2018-11	ug/L																
Carbon Tetrachloride	2019-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2019-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2020-03	ug/L	< 2	< 2	< 2			< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2020-04	ug/L				< 2	< 2		< 2									
Carbon Tetrachloride	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2021-03	ug/L							< 2	< 2	< 2	< 2						
Carbon Tetrachloride	2021-08	ug/L	< 2	< 2	< 2	< 2	< 20	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2022-03	ug/L							< 2	< 2	< 2	< 2						
Carbon Tetrachloride	2022-08	ug/L	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2023-01	ug/L															< 2	
Carbon Tetrachloride	2023-03	ug/L							< 2	< 2	< 2	< 2					< 2	
Carbon Tetrachloride	2023-08	ug/L	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2024-03	ug/L							< 2	< 2	< 2	< 2						
Carbon Tetrachloride	2024-08	ug/L	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2025-03	ug/L							< 2	< 2	< 2	< 2						
Carbon Tetrachloride	2025-08	ug/L	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chlorobenzene	2008-08	ug/L	**4.37**	**6.06**	< 1	< 1	< 1	< 1	**9.42**	**5.83**	**1.52**	< 1	< 1	**5.26**	**1.87**	**37**	**4.87**	< 1
Chlorobenzene	2009-03	ug/L	**6.78**	**3.45**	< 1	< 1	< 1	< 1	**2.82**	**4.87**	**1.34**	< 1	< 1	**2.43**	**1.3**	**32.3**	**3.98**	< 1
Chlorobenzene	2009-07	ug/L	**9.11**	**4.41**		< 1		< 1	**6.43**	**5.68**	**1.13**	< 1	< 1.00	**1.77**	< 1	**26.4**	**4.06**	
Chlorobenzene	2009-09	ug/L	**9.17**	**3.58**		< 1.00		< 1.00	**7.63**	**6.15**	< 1.00	< 1	< 1	**1.78**	< 1	**25.6**	**5.49**	
Chlorobenzene	2010-03	ug/L	**1.18**	**3.02**	< 1.00	< 1.00	< 1.00	< 1.00	**6.09**	**5.99**	**1.28**	< 1.00	< 1.00	< 1.00	< 1.00	**36.2**	**2.77**	< 1.00
Chlorobenzene	2010-09	ug/L	**12.1**	**2.66**	< 1.00	< 1.00	< 1.00	< 1.00	**9.25**	**6.91**	**1.38**	< 1.00	< 1.00	**2.80**	< 1.00	**34.2**	**3.50**	< 1.00
Chlorobenzene	2011-03	ug/L	**5.55**	**2.84**	< 1.00	< 1.00	< 10.0	< 1.00	**2.66**	**5.87**	**1.59**	< 1.00	< 1.00	**1.99**	< 1.00	**29.9**	**2.70**	< 1.00
Chlorobenzene	2011-09	ug/L	**8.25**	**2.74**	< 1.00	< 1.00	< 1.00	< 1.00	**3.99**	**7.05**	**1.39**	< 1.00	< 1.00	**2.72**	< 1.00	**30.4**	**2.18**	< 1.00
Chlorobenzene	2012-03	ug/L	**5.00**	**2.81**	< 1.00	< 1.00	< 1.00	< 1.00	**1.94**	**6.44**	**1.33**	< 1.00	< 1.00	**1.82**	< 1.00	**31.2**	**1.89**	< 1.00
Chlorobenzene	2012-09	ug/L	**5.76**	**2.24**	< 1.00	< 1.00	< 1.00	< 1.00	**2.87**	**6.01**	**1.07**	< 1.00	< 1.00	**3.42**	< 1.00	**37.6**	**2.49**	< 1.00
Chlorobenzene	2013-03	ug/L	**3.79**	**1.96**		< 1.00	< 1.00		**2.38**	**5.85**	**2.4**	< 1	< 1	**1.04**	< 1.00	**35.3**	**1.78**	< 1
Chlorobenzene	2013-05	ug/L			< 1.00			< 1.00										
Chlorobenzene	2013-09	ug/L	**11.0**	**2.28**	< 1.00	< 1.00	< 1.00	**0.289 J**	**6.00**	**5.36**	**1.68**	< 1.00	< 1.00	**3.08**	< 1.00	**25.4**	**2.67**	< 1.00
Chlorobenzene	2013-11	ug/L																
Chlorobenzene	2014-03	ug/L	**8.13**	< 1.00	< 1.00	< 1.00	< 1.00	**2.88**	**2.11**	**3.85**	**0.904 J**	< 1.00	< 1.00	**3.73**	**2.31**	**36.9**	< 1.00	< 1.00
Chlorobenzene	2014-06	ug/L																
Chlorobenzene	2014-09	ug/L	**12.5**	**1.92**	< 1	< 1	< 1	**0.236 J**	**6.38**	**5.11**	**1.76**	< 1	< 1	**2.53**	< 1	**26.8**	**1.86**	< 1
Chlorobenzene	2015-03	ug/L	**7.95**	**1.62**	< 1.00	< 1.00	< 1.00	< 1.00	**2.10**	**4.90**	**0.798 J**	< 1	< 1.00	**1.41**	< 1	**28.7**	**0.929 J**	< 1.00

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Carbon Tetrachloride	2012-09	ug/L	< 2.00	< 2.00		< 2.00	< 2.00	< 2.00	< 2.00								
Carbon Tetrachloride	2013-03	ug/L	< 2	< 2	< 50.0		< 2.00	< 2	< 2								
Carbon Tetrachloride	2013-05	ug/L															
Carbon Tetrachloride	2013-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Carbon Tetrachloride	2013-11	ug/L									< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Carbon Tetrachloride	2014-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Carbon Tetrachloride	2014-06	ug/L									< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Carbon Tetrachloride	2014-09	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2		
Carbon Tetrachloride	2015-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2	< 2	< 2		< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Carbon Tetrachloride	2015-09	ug/L		< 2		< 2	< 2	< 2	< 2								
Carbon Tetrachloride	2015-10	ug/L	< 2		< 2					< 2	< 2	< 2	< 2	< 2	< 2		
Carbon Tetrachloride	2016-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		
Carbon Tetrachloride	2016-06	ug/L															
Carbon Tetrachloride	2016-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		
Carbon Tetrachloride	2017-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		
Carbon Tetrachloride	2017-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		
Carbon Tetrachloride	2017-11	ug/L														< 2	< 2
Carbon Tetrachloride	2018-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 20	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2018-06	ug/L														< 2	< 2
Carbon Tetrachloride	2018-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2			
Carbon Tetrachloride	2018-09	ug/L													< 2	< 2	< 2
Carbon Tetrachloride	2018-11	ug/L														< 2	< 2
Carbon Tetrachloride	2019-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2019-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2020-03	ug/L	< 2	< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2
Carbon Tetrachloride	2020-04	ug/L			< 2									< 2			
Carbon Tetrachloride	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2		< 2
Carbon Tetrachloride	2021-03	ug/L		< 2			< 2			< 2							
Carbon Tetrachloride	2021-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2		< 2
Carbon Tetrachloride	2022-03	ug/L		< 2			< 2			< 2							
Carbon Tetrachloride	2022-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2		< 2
Carbon Tetrachloride	2023-01	ug/L															
Carbon Tetrachloride	2023-03	ug/L		< 2			< 2			< 2							
Carbon Tetrachloride	2023-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2		< 2
Carbon Tetrachloride	2024-03	ug/L		< 2			< 2			< 2							
Carbon Tetrachloride	2024-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2		< 2
Carbon Tetrachloride	2025-03	ug/L		< 2			< 2			< 2							
Carbon Tetrachloride	2025-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2		< 2
Chlorobenzene	2008-08	ug/L	< 1	**11.3**	**5.44**	< 1	< 1	< 1	< 1								
Chlorobenzene	2009-03	ug/L	< 1	**11.8**	**3.24**	**1.11**	< 1	< 1	< 1								
Chlorobenzene	2009-07	ug/L	< 1.00	**10.7**	**4.26**	**6.59**	< 1.00										
Chlorobenzene	2009-09	ug/L	< 1.00	**9.55**	**5.75**	< 1.00	< 1.00										
Chlorobenzene	2010-03	ug/L	< 1.00	**14.9**	**7.67**	**1.52**	< 1.00	< 1.00	< 1.00								
Chlorobenzene	2010-09	ug/L	**1.15**	**11.5**	**4.29**	< 1.00	< 1.00	< 1.00	< 1.00								
Chlorobenzene	2011-03	ug/L	< 1.00	**13.1**	**3.17**	< 1.00	< 1.00	< 1.00	< 1.00								
Chlorobenzene	2011-09	ug/L	**1.13**	**11.8**	**3.11**	< 1.00	< 1.00	< 1.00	< 1.00								
Chlorobenzene	2012-03	ug/L	< 1.00	**15.1**	**4.34**	< 1.00	< 1.00	< 1.00	< 1.00								
Chlorobenzene	2012-09	ug/L	< 1.00	**15.4**	**6.93**	< 1.00	< 1.00	**1.29**	< 1.00								
Chlorobenzene	2013-03	ug/L	< 1	**11.5**	< 25.0		< 1.00	**0.535 J**	< 1								
Chlorobenzene	2013-05	ug/L															
Chlorobenzene	2013-09	ug/L	**1.47**	**14.5**	**5.02**	**0.541 J**	< 1.00	**1.43**	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Chlorobenzene	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Chlorobenzene	2014-03	ug/L	**0.804 J**	**13.6**	**7.58**	< 1.00	< 1.00	**1.19**	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Chlorobenzene	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Chlorobenzene	2014-09	ug/L	**1.5**	**14.2**	**5.13**	**0.35 J**	< 1	**0.468 J**	< 1		< 1	< 1	< 1	< 1	< 1		
Chlorobenzene	2015-03	ug/L	**0.760 J**	**7.98**	**5.10**	< 1.00	< 1	**0.309 J**	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	2015-09	ug/L	5.44	1.54		< 1	< 1	< 1			2.18	< 1	< 1	1.86		22.6	1.08	
Chlorobenzene	2015-10	ug/L			< 1				4.02	< 1					< 1			< 1
Chlorobenzene	2016-03	ug/L	9.04	1.94	< 1	< 1	< 1	< 1	9.55	4.64	3.1	< 1	< 1	< 1	< 1	18.7	< 1	< 1
Chlorobenzene	2016-06	ug/L			< 1	< 1												
Chlorobenzene	2016-08	ug/L	10.8	< 1	< 1	< 1	< 1	< 1	8.01	4.88	4.01	< 1	0.592 J	< 1	< 1	27.4	< 1	< 1
Chlorobenzene	2017-03	ug/L	2.12	2.32	< 1	< 1	< 1	< 1	7.4	4.17	< 1	< 1	< 1	0.499 J	< 1	59.9	0.978 J	< 1
Chlorobenzene	2017-08	ug/L	5.77	1.3	< 1	< 1	< 1	< 1	3.54	4.16	2.59	< 1	< 1	1.12	< 1	53.1	0.757 J	< 1
Chlorobenzene	2017-11	ug/L																
Chlorobenzene	2018-03	ug/L	5.31	1.64	< 1	< 1	< 1	< 1	2.19	4.53	3.7	< 1	< 1	0.286 J	< 1	59.8	0.617 J	< 1
Chlorobenzene	2018-06	ug/L																
Chlorobenzene	2018-08	ug/L	4.11	1.57	< 1	< 1		< 1	3.45	4.56	2.58	< 1			< 1	26.3	< 1	< 1
Chlorobenzene	2018-09	ug/L					< 1						1.81	< 1				
Chlorobenzene	2018-11	ug/L																
Chlorobenzene	2019-03	ug/L	1.54	1.81	< 1	< 1	< 1	< 1	5.21	3.97	< 1	< 1	< 1	< 1	< 1	52.7	0.97 J	< 1
Chlorobenzene	2019-08	ug/L	11.1	0.468 J	< 1	< 1	< 1	< 1	9.14	3.7	0.956 J	< 1	< 1	1.78	< 1	58	1.62	< 1
Chlorobenzene	2020-03	ug/L	1.39	2.58	< 1			< 1		5.46	1.83	< 1	< 1	1.19	< 1	73.8	0.906 J	< 1
Chlorobenzene	2020-04	ug/L				< 1	< 1		6.38									
Chlorobenzene	2020-08	ug/L	7.47	3.12	< 1	< 1	< 1	< 1	7.17	4.46	2.18	< 1	< 1	1.46	< 1	61.3	< 1	< 1
Chlorobenzene	2021-03	ug/L							3.95	3.58	1.87	< 1						
Chlorobenzene	2021-08	ug/L	< 1	1.7	< 1	< 1	< 10	< 1	2.37	3.93	1.61	< 1	< 1	1.91	< 1	43.6	0.514 J	< 1
Chlorobenzene	2022-03	ug/L							1.86	2.85	1.85	< 1						
Chlorobenzene	2022-08	ug/L	5.04	1.69	< 1	< 1	< 1		2.45	4	1.86	< 1	< 1	1.98	< 1	53.9	0.438 J	< 1
Chlorobenzene	2023-01	ug/L															< 1	
Chlorobenzene	2023-03	ug/L							4.12	4.31	1.75	< 1					< 1	
Chlorobenzene	2023-08	ug/L	4.09	1.57	< 1	< 1	< 1		2.23	3.49	2.02	< 1	< 1	2.14	< 1	68	0.555 J	< 1
Chlorobenzene	2024-03	ug/L							< 1	3.94	2.12	< 1						
Chlorobenzene	2024-08	ug/L	5.7	2.26	< 1	< 1	< 1		3.98	3.93	2.01	< 1	< 1	1.03	< 1	63	0.544 J	< 1
Chlorobenzene	2025-03	ug/L							2.56	3.72	1.64	< 1						
Chlorobenzene	2025-08	ug/L	2.92	1.7	< 1	< 1	< 1		3.57	3.88	0.614 J	< 1	< 1	< 1	< 1	39.5	< 1	< 1
Chlorobenzilate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Chlorobenzilate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chlorobenzilate	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Chlorobenzilate	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Chlorobenzilate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Chlorobenzilate	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Chlorobenzilate	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Chlorobenzilate	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Chlorobenzilate	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Chlorobenzilate	2016-03	ug/L			< 11.1	< 11.2												
Chlorobenzilate	2016-06	ug/L			< 11.4	< 11.4												
Chlorobenzilate	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Chlorobenzilate	2023-01	ug/L															< 10.9	
Chlorobenzilate	2023-03	ug/L															< 10.4	
Chlorobenzilate	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Chlorodibromomethane	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2009-07	ug/L	< 5	< 5.00		< 5		< 5	< 5	< 5	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5	
Chlorodibromomethane	2009-09	ug/L	< 5	< 5.00		< 5.00		< 5.00	< 5.00	< 25.0	< 5.00	< 5	< 5	< 5	< 5	< 5	< 5	
Chlorodibromomethane	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Chlorodibromomethane	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 5.00	< 5.00	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 5.00	< 10.0	< 10.0	< 10.0	< 10.0	< 5.00
Chlorodibromomethane	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 50.0	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Chlorodibromomethane	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Chlorodibromomethane	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Chlorodibromomethane	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Chlorodibromomethane	2013-03	ug/L	< 5.00	< 5		< 5.00	< 5.00		< 5	< 5	< 5	< 5	< 5	< 5	< 5.00	< 5.00	< 5	< 5
Chlorodibromomethane	2013-05	ug/L			< 5.00			< 5.00										

Cedar Rapids Linn County Solid Waste Agency Site 1
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2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Chlorobenzene	2015-09	ug/L		**9.43**		< 1	< 1	< 1	< 1								
Chlorobenzene	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
Chlorobenzene	2016-03	ug/L	**0.501 J**	**10.4**	**4.29**	**0.621 J**	< 1	**0.595 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Chlorobenzene	2016-06	ug/L															
Chlorobenzene	2016-08	ug/L	< 1	**11.3**	**3.55**	< 1	< 1	**0.451 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Chlorobenzene	2017-03	ug/L	**0.493 J**	**10.1**	**3.5**	**0.728 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Chlorobenzene	2017-08	ug/L	**1.07**	**8.4**	**2.72**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.209 J**		
Chlorobenzene	2017-11	ug/L														< 1	< 1
Chlorobenzene	2018-03	ug/L	**0.309 J**	**9.14**	**2.45**	**0.236 J**	< 1	**0.852 J**	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	2018-06	ug/L														< 1	< 1
Chlorobenzene	2018-08	ug/L	< 1	**9.05**	< 1	< 1	< 1	**5.75**	< 1	< 1		< 1	< 1	< 1			
Chlorobenzene	2018-09	ug/L													< 1	< 1	< 1
Chlorobenzene	2018-11	ug/L														< 1	< 1
Chlorobenzene	2019-03	ug/L	**0.565 J**	**4.34**	**3.64**	< 1	< 1	**3.35**	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	2019-08	ug/L	**2.79**	**8.18**	**3.53**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	2020-03	ug/L	**2.26**	**7.68**		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
Chlorobenzene	2020-04	ug/L			**2.31**									< 1			
Chlorobenzene	2020-08	ug/L	**3.06**	**8.27**	**3.33**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Chlorobenzene	2021-03	ug/L		**6.12**			< 1			< 1							
Chlorobenzene	2021-08	ug/L	**1.58 J+**	**7.96**	**2.06**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	**1.42**		< 1
Chlorobenzene	2022-03	ug/L		**1.96**			< 1			< 1							
Chlorobenzene	2022-08	ug/L	**0.91 J**	**6.73**	**2.74**	< 1	< 1	**0.911 J**	< 1	< 1			< 1	< 1	< 1		< 1
Chlorobenzene	2023-01	ug/L															
Chlorobenzene	2023-03	ug/L		**8.93**			< 1			< 1							
Chlorobenzene	2023-08	ug/L	< 1	**8.06**	**2.41**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Chlorobenzene	2024-03	ug/L		**14.7**			< 1			< 1							
Chlorobenzene	2024-08	ug/L	< 1	**12**	**2.94**	< 1	< 1	**0.7 J**	< 1	< 1			< 1	< 1	< 1		< 1
Chlorobenzene	2025-03	ug/L		**4.74**			< 1			< 1							
Chlorobenzene	2025-08	ug/L	< 1	**5.44**	**2.03**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Chlorobenzilate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Chlorobenzilate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Chlorobenzilate	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Chlorobenzilate	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Chlorobenzilate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Chlorobenzilate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Chlorobenzilate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Chlorobenzilate	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Chlorobenzilate	2015-10	ug/L	< 11.8		< 10.3					< 11							
Chlorobenzilate	2016-03	ug/L					< 10.9			< 11.2							
Chlorobenzilate	2016-06	ug/L															
Chlorobenzilate	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Chlorobenzilate	2023-01	ug/L															
Chlorobenzilate	2023-03	ug/L					< 10			< 10							
Chlorobenzilate	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Chlorodibromomethane	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5								
Chlorodibromomethane	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5								
Chlorodibromomethane	2009-07	ug/L	< 5.00	< 5	< 5	< 5	< 5.00										
Chlorodibromomethane	2009-09	ug/L	< 5.00	< 25.0	< 5.00	< 5.00	< 5.00										
Chlorodibromomethane	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Chlorodibromomethane	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 5.00	< 5.00								
Chlorodibromomethane	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Chlorodibromomethane	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Chlorodibromomethane	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Chlorodibromomethane	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Chlorodibromomethane	2013-03	ug/L	< 5	< 5	< 125		< 5.00	< 5	< 5								
Chlorodibromomethane	2013-05	ug/L															

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane	2013-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Chlorodibromomethane	2013-11	ug/L																
Chlorodibromomethane	2014-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Chlorodibromomethane	2014-06	ug/L																
Chlorodibromomethane	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2015-03	ug/L	< 5	< 5	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5	< 5.00
Chlorodibromomethane	2015-09	ug/L	< 5	< 5		< 5	< 5	< 5			< 5	< 5	< 5	< 5		< 5	< 5	
Chlorodibromomethane	2015-10	ug/L			< 5				< 5	< 5					< 5			< 5
Chlorodibromomethane	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2016-06	ug/L			< 5	< 5												
Chlorodibromomethane	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2017-11	ug/L																
Chlorodibromomethane	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2018-06	ug/L																
Chlorodibromomethane	2018-08	ug/L	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Chlorodibromomethane	2018-09	ug/L					< 5						< 5	< 5				
Chlorodibromomethane	2018-11	ug/L																
Chlorodibromomethane	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2020-03	ug/L	< 5	< 5	< 5			< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2020-04	ug/L				< 5	< 5		< 5									
Chlorodibromomethane	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2021-03	ug/L							< 5	< 5	< 5	< 5						
Chlorodibromomethane	2021-08	ug/L	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2022-03	ug/L							< 5	< 5	< 5	< 5						
Chlorodibromomethane	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2023-01	ug/L															< 5	
Chlorodibromomethane	2023-03	ug/L							< 5	< 5	< 5	< 5					< 5	
Chlorodibromomethane	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2024-03	ug/L							< 5	< 5	< 5	< 5						
Chlorodibromomethane	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2025-03	ug/L							< 5	< 5	< 5	< 5						
Chlorodibromomethane	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	2008-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	**8.5**	< 4	**4.21**	**5.82**	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2009-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	**4.84**	< 4	**4.82**	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2009-07	ug/L	< 4	< 4.00		< 4		< 4	**4.45**	**5.34**	**8.89**	**5.52**	< 4.00	< 4.00	< 4	< 4	< 4	
Chloroethane	2009-09	ug/L	< 4	< 4.00		< 4.00		< 4.00	**4.27**	< 20.0	**10.4**	< 4	< 4	< 4	< 4	< 4	< 4	
Chloroethane	2010-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	**5.56**	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Chloroethane	2010-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	**4.57**	**4.46**	**4.89**	**4.59**	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Chloroethane	2011-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 40.0	< 4.00	< 4.00	**5.80**	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Chloroethane	2011-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	**4.04**	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Chloroethane	2012-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Chloroethane	2012-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	**6.72**	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Chloroethane	2013-03	ug/L	< 4.00	< 4		< 4.00	< 4.00		**1.36 J**	**2.71 J**	**2.15 J**	**1.76 J**	< 4	< 4	< 4.00	**2.06 J**	< 4	**0.623 J**
Chloroethane	2013-05	ug/L			< 4.00			**0.448 J**										
Chloroethane	2013-09	ug/L	< 4.00	**0.442 J**	< 4.00	< 4.00	< 4.00	< 4.00	**2.25 J**	< 4.00	**3.51 J**	**3.10 J**	< 4.00	< 4.00	< 4.00	**1.85 J**	< 4.00	< 4.00
Chloroethane	2013-11	ug/L																
Chloroethane	2014-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	**4.19**	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Chloroethane	2014-06	ug/L																
Chloroethane	2014-09	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	**2.39 J**	**3.79 J**	**2.82 J**	**1.52 J**	< 4	< 4	< 4	**1.07 J**	< 4	< 4
Chloroethane	2015-03	ug/L	< 4	< 4	< 4.00	< 4.00	< 4.00	< 4.00	**1.40 J**	**2.60 J**	**3.32 J**	< 4	< 4.00	< 4.00	< 4	**0.891 J**	< 4	< 4.00
Chloroethane	2015-09	ug/L	< 4	< 4		< 4	< 4	**0.334 J**			**3.74 J**	**1.29 J**	< 4	< 4		**1.33 J**	< 4	
Chloroethane	2015-10	ug/L			< 4				**1.36 J**	**2.35 J**					< 4			< 4
Chloroethane	2016-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	**2.4 J**	**2.98 J**	**1 J**	**1.18 J**	< 4	< 4	< 4	**1.09 J**	< 4	< 4

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Chlorodibromomethane	2013-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Chlorodibromomethane	2013-11	ug/L									< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Chlorodibromomethane	2014-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Chlorodibromomethane	2014-06	ug/L									< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Chlorodibromomethane	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5		
Chlorodibromomethane	2015-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5	< 5	< 5		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Chlorodibromomethane	2015-09	ug/L		< 5		< 5	< 5	< 5	< 5								
Chlorodibromomethane	2015-10	ug/L	< 5		< 5					< 5	< 5	< 5	< 5	< 5	< 5		
Chlorodibromomethane	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Chlorodibromomethane	2016-06	ug/L															
Chlorodibromomethane	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Chlorodibromomethane	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Chlorodibromomethane	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Chlorodibromomethane	2017-11	ug/L														< 5	< 5
Chlorodibromomethane	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2018-06	ug/L														< 5	< 5
Chlorodibromomethane	2018-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5			
Chlorodibromomethane	2018-09	ug/L													< 5	< 5	< 5
Chlorodibromomethane	2018-11	ug/L														< 5	< 5
Chlorodibromomethane	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2020-03	ug/L	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5
Chlorodibromomethane	2020-04	ug/L			< 5									< 5			
Chlorodibromomethane	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Chlorodibromomethane	2021-03	ug/L		< 5			< 5			< 5							
Chlorodibromomethane	2021-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Chlorodibromomethane	2022-03	ug/L		< 5			< 5			< 5							
Chlorodibromomethane	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Chlorodibromomethane	2023-01	ug/L															
Chlorodibromomethane	2023-03	ug/L		< 5			< 5			< 5							
Chlorodibromomethane	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Chlorodibromomethane	2024-03	ug/L		< 5			< 5			< 5							
Chlorodibromomethane	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Chlorodibromomethane	2025-03	ug/L		< 5			< 5			< 5							
Chlorodibromomethane	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Chloroethane	2008-08	ug/L	**10**	**5.3**	**4.12**	< 4	< 4	< 4	< 4								
Chloroethane	2009-03	ug/L	**10.5**	< 4	< 4	< 4	< 4	< 4	< 4								
Chloroethane	2009-07	ug/L	**10.4**	**5.57**	**4.41**	**5.45**	< 4.00										
Chloroethane	2009-09	ug/L	**8.01**	< 20.0	**4.04**	**6.22**	< 4.00										
Chloroethane	2010-03	ug/L	**10.4**	**6.45**	**4.31**	**4.82**	< 4.00	< 4.00	< 4.00								
Chloroethane	2010-09	ug/L	**12.6**	< 4.00	< 4.00	**5.75**	< 4.00	< 4.00	< 4.00								
Chloroethane	2011-03	ug/L	**11.2**	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00								
Chloroethane	2011-09	ug/L	**11.5**	**4.53**	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00								
Chloroethane	2012-03	ug/L	**8.46**	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00								
Chloroethane	2012-09	ug/L	**14.3**	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00								
Chloroethane	2013-03	ug/L	**6.11**	**1.72 J**	< 100		< 4.00	< 4	< 4								
Chloroethane	2013-05	ug/L															
Chloroethane	2013-09	ug/L	**9.16**	**3.33 J**	**5.23**	< 4.00	< 4.00	< 4.00	< 4.00		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Chloroethane	2013-11	ug/L									< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Chloroethane	2014-03	ug/L	**9.46**	**2.23 J**	**2.98 J**	< 4.00	< 4.00	< 4.00	< 4.00		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Chloroethane	2014-06	ug/L									< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Chloroethane	2014-09	ug/L	**13.9**	**2.88 J**	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4		
Chloroethane	2015-03	ug/L	**11.1**	**2.31 J**	**3.23 J**	< 4.00	< 4	< 4	< 4		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Chloroethane	2015-09	ug/L		**2.17 J**		< 4	< 4	< 4	< 4								
Chloroethane	2015-10	ug/L	**9.56**		< 4					< 4	< 4	< 4	< 4	< 4	< 4		
Chloroethane	2016-03	ug/L	**11.8**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	2016-06	ug/L			< 4	< 4												
Chloroethane	2016-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	**2.16 J**	**3.75 J**	< 4	< 4	< 4	< 4	< 4	**1.63 J**	< 4	< 4
Chloroethane	2017-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	**1.99 J**	**2.95 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2017-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	**2.51 J**	**2.47 J**	**0.997 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2017-11	ug/L																
Chloroethane	2018-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	**1.33 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2018-06	ug/L																
Chloroethane	2018-08	ug/L	< 4	< 4	< 4	< 4		< 4	**2.72 J**	**4.13**	**2.02 J**	< 4			< 4	**0.949 J**	< 4	< 4
Chloroethane	2018-09	ug/L					< 4						< 4	< 4				
Chloroethane	2018-11	ug/L																
Chloroethane	2019-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	**2.09 J**	**2.21 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2019-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	**2.23 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2020-03	ug/L	< 4	< 4	< 4			< 4		**3.69 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2020-04	ug/L				< 4	< 4		**1.68 J**									
Chloroethane	2020-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	**2.91 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2021-03	ug/L							**1.29 J**	**3.03 J**	< 4	< 4						
Chloroethane	2021-08	ug/L	< 4	< 4	< 4	< 4	< 40	< 4	**1.88 J**	**11.1**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2022-03	ug/L							< 4	**1.97 J**	< 4	< 4						
Chloroethane	2022-08	ug/L	< 4	< 4	< 4	< 4	< 4		**1.33 J**	**2.24 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2023-01	ug/L															< 4	
Chloroethane	2023-03	ug/L							< 4	**2.33 J**	< 4	< 4					< 4	
Chloroethane	2023-08	ug/L	< 4	< 4	< 4	< 4	< 4		< 4	**3.19 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2024-03	ug/L							< 4	**4.87**	< 4	< 4						
Chloroethane	2024-08	ug/L	< 4	< 4	< 4	< 4	< 4		< 4	**2.19 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2025-03	ug/L							< 4	**2.73 J**	< 4	< 4						
Chloroethane	2025-08	ug/L	< 4	< 4	< 4	< 4	< 4		< 4	**3.61 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroform	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
Chloroform	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
Chloroform	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroform	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroform	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroform	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroform	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroform	2012-09	ug/L	< 1.00	< 2.00	< 2.00	< 1.00	< 1.00	< 2.00	< 2.00	< 2.00	< 2.00	< 1.00	< 2.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroform	2013-03	ug/L	< 1.00	< 1		< 1.00	< 1.00		< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1
Chloroform	2013-05	ug/L			< 1.00			< 1.00										
Chloroform	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroform	2013-11	ug/L																
Chloroform	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroform	2014-06	ug/L																
Chloroform	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	**0.344 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2015-03	ug/L	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	< 1.00
Chloroform	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
Chloroform	2015-10	ug/L			< 1				< 1	< 1					< 1			< 1
Chloroform	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2016-06	ug/L			< 1	< 1												
Chloroform	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2017-11	ug/L																
Chloroform	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2018-06	ug/L																
Chloroform	2018-08	ug/L	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Chloroform	2018-09	ug/L					< 3						< 3	< 3				

Table 14

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Chloroethane	2016-06	ug/L															
Chloroethane	2016-08	ug/L	**11.2**	**1.22 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		
Chloroethane	2017-03	ug/L	**10.3**	**1.36 J**	**4.49**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		
Chloroethane	2017-08	ug/L	**11.6**	**3.02 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		
Chloroethane	2017-11	ug/L														< 4	< 4
Chloroethane	2018-03	ug/L	**9.03**	< 4	**2.56 J**	< 4	< 4	< 4	< 4	< 40	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2018-06	ug/L														< 4	< 4
Chloroethane	2018-08	ug/L	**14.1**	**1.67 J**	**2.79 J**	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4			
Chloroethane	2018-09	ug/L													< 4	< 4	< 4
Chloroethane	2018-11	ug/L														< 4	< 4
Chloroethane	2019-03	ug/L	**7.08**	< 4	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2019-08	ug/L	**18.8**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2020-03	ug/L	**9.46**	< 4		< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4
Chloroethane	2020-04	ug/L			**2.26 J**									< 4			
Chloroethane	2020-08	ug/L	**16**	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Chloroethane	2021-03	ug/L		< 4			< 4			< 4							
Chloroethane	2021-08	ug/L	**8.91 J+**	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Chloroethane	2022-03	ug/L		< 4			< 4			< 4							
Chloroethane	2022-08	ug/L	**12.5**	< 4	**1.48 J**	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Chloroethane	2023-01	ug/L															
Chloroethane	2023-03	ug/L		< 4			< 4			< 4							
Chloroethane	2023-08	ug/L	**8.67**	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Chloroethane	2024-03	ug/L		< 4			< 4			< 4							
Chloroethane	2024-08	ug/L	**8.99**	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Chloroethane	2025-03	ug/L		< 4			< 4			< 4							
Chloroethane	2025-08	ug/L	**8.2**	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Chloroform	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Chloroform	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Chloroform	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
Chloroform	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
Chloroform	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Chloroform	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Chloroform	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Chloroform	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Chloroform	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Chloroform	2012-09	ug/L	< 1.00	< 1.00	< 2.00	< 1.00	< 1.00	< 2.00	< 2.00								
Chloroform	2013-03	ug/L	< 1	< 1	< 25.0		< 1.00	< 1	< 1								
Chloroform	2013-05	ug/L															
Chloroform	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		**0.300 J**	< 1.00	< 1.00	< 1.00	< 1.00		
Chloroform	2013-11	ug/L									**0.454 J**	< 1.00	< 1.00	< 1.00	< 1.00		
Chloroform	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Chloroform	2014-06	ug/L									**0.464 J**	< 1.00	< 1.00	< 1.00	< 1.00		
Chloroform	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
Chloroform	2015-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Chloroform	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
Chloroform	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
Chloroform	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Chloroform	2016-06	ug/L															
Chloroform	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Chloroform	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Chloroform	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Chloroform	2017-11	ug/L														< 1	< 1
Chloroform	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2018-06	ug/L														< 3	< 3
Chloroform	2018-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3			
Chloroform	2018-09	ug/L													< 3	< 3	< 3

Table 14

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2018-11	ug/L																
Chloroform	2019-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloroform	2019-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloroform	2020-03	ug/L	< 3	< 3	< 3			< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloroform	2020-04	ug/L				< 3	< 3		< 3									
Chloroform	2020-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloroform	2021-03	ug/L							< 3	< 3	< 3	< 3						
Chloroform	2021-08	ug/L	< 3	< 3	< 3	< 3	< 30	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloroform	2022-03	ug/L							< 3	< 3	< 3	< 3						
Chloroform	2022-08	ug/L	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloroform	2023-01	ug/L															< 3	
Chloroform	2023-03	ug/L							< 3	< 3	< 3	< 3					< 3	
Chloroform	2023-08	ug/L	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloroform	2024-03	ug/L							< 3	< 3	< 3	< 3						
Chloroform	2024-08	ug/L	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloroform	2025-03	ug/L							< 3	< 3	< 3	< 3						
Chloroform	2025-08	ug/L	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2008-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2009-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2009-07	ug/L	< 3	< 3.00		< 3		< 3	< 3	< 3	< 3	< 3	< 3.00	< 3.00	< 3	< 3	< 3	
Chloromethane	2009-09	ug/L	< 3	< 3.00		< 3.00		< 3.00	< 3.00	< 15.0	< 3.00	< 3	< 3	< 3	< 3	< 3	< 3	
Chloromethane	2010-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Chloromethane	2010-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Chloromethane	2011-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 30.0	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Chloromethane	2011-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Chloromethane	2012-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Chloromethane	2012-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Chloromethane	2013-03	ug/L	< 3.00	< 3		< 3.00	< 3.00		< 3	< 3	< 3	< 3	< 3	< 3	< 3.00	< 3.00	< 3	< 3
Chloromethane	2013-05	ug/L			< 3.00			< 3.00										
Chloromethane	2013-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Chloromethane	2013-11	ug/L																
Chloromethane	2014-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Chloromethane	2014-06	ug/L																
Chloromethane	2014-09	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2015-03	ug/L	< 3	< 3	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3	< 3	< 3.00	< 3.00	< 3	< 3	< 3	< 3.00
Chloromethane	2015-09	ug/L	< 3	< 3		< 3	< 3	< 3			< 3	< 3	< 3	< 3		< 3	< 3	
Chloromethane	2015-10	ug/L			< 3				< 3	< 3					< 3			< 3
Chloromethane	2016-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2016-06	ug/L			< 3	< 3												
Chloromethane	2016-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2017-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2017-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2017-11	ug/L																
Chloromethane	2018-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2018-06	ug/L																
Chloromethane	2018-08	ug/L	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Chloromethane	2018-09	ug/L					< 3						< 3	< 3				
Chloromethane	2018-11	ug/L																
Chloromethane	2019-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2019-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2020-03	ug/L	< 3	< 3	< 3			< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2020-04	ug/L				< 3	< 3		< 3									
Chloromethane	2020-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2021-03	ug/L							< 3	< 3	< 3	< 3						
Chloromethane	2021-08	ug/L	< 3	< 3	< 3	< 3	< 30	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2022-03	ug/L							< 3	< 3	< 3	< 3						

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Chloroform	2018-11	ug/L														< 3	< 3
Chloroform	2019-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3
Chloroform	2019-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloroform	2020-03	ug/L	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3
Chloroform	2020-04	ug/L			< 3									< 3			
Chloroform	2020-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Chloroform	2021-03	ug/L		< 3			< 3			< 3							
Chloroform	2021-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Chloroform	2022-03	ug/L		< 3			< 3			< 3							
Chloroform	2022-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Chloroform	2023-01	ug/L															
Chloroform	2023-03	ug/L		< 3			< 3			< 3							
Chloroform	2023-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Chloroform	2024-03	ug/L		< 3			< 3			< 3							
Chloroform	2024-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Chloroform	2025-03	ug/L		< 3			< 3			< 3							
Chloroform	2025-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Chloromethane	2008-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3								
Chloromethane	2009-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3								
Chloromethane	2009-07	ug/L	< 3.00	< 3	< 3	< 3	< 3.00										
Chloromethane	2009-09	ug/L	< 3.00	< 15.0	< 3.00	< 3.00	< 3.00										
Chloromethane	2010-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00								
Chloromethane	2010-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00								
Chloromethane	2011-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00								
Chloromethane	2011-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00								
Chloromethane	2012-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00								
Chloromethane	2012-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00								
Chloromethane	2013-03	ug/L	< 3	< 3	< 75.0		< 3.00	< 3	< 3								
Chloromethane	2013-05	ug/L															
Chloromethane	2013-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Chloromethane	2013-11	ug/L									< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Chloromethane	2014-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Chloromethane	2014-06	ug/L									< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Chloromethane	2014-09	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3		
Chloromethane	2015-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3	< 3	< 3		< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Chloromethane	2015-09	ug/L		< 3		< 3	< 3	< 3	< 3								
Chloromethane	2015-10	ug/L	< 3		< 3					< 3	< 3 J	< 3	< 3	< 3	< 3		
Chloromethane	2016-03	ug/L	< 3	< 3	< 3	< 3	**0.311 J**	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3		
Chloromethane	2016-06	ug/L															
Chloromethane	2016-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3		
Chloromethane	2017-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3		
Chloromethane	2017-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3		
Chloromethane	2017-11	ug/L														< 3	< 3
Chloromethane	2018-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 30	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2018-06	ug/L														< 3	< 3
Chloromethane	2018-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3			
Chloromethane	2018-09	ug/L													< 3	< 3	< 3
Chloromethane	2018-11	ug/L														< 3	< 3
Chloromethane	2019-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2019-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2020-03	ug/L	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3
Chloromethane	2020-04	ug/L			< 3									< 3			
Chloromethane	2020-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Chloromethane	2021-03	ug/L		< 3			< 3			< 3							
Chloromethane	2021-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Chloromethane	2022-03	ug/L		< 3			< 3			< 3							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	2022-08	ug/L	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2023-01	ug/L															< 3	
Chloromethane	2023-03	ug/L							< 3	< 3	< 3	< 3					< 3	
Chloromethane	2023-08	ug/L	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2024-03	ug/L							< 3	< 3	< 3	< 3						
Chloromethane	2024-08	ug/L	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2025-03	ug/L							< 3	< 3	< 3	< 3						
Chloromethane	2025-08	ug/L	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloroprene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroprene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroprene	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
Chloroprene	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
Chloroprene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroprene	2010-09	ug/L	< 1.00	< 1.00	< 1.00			< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	
Chloroprene	2011-03	ug/L	< 1.00	< 1.00	< 1.00			< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	
Chloroprene	2012-09	ug/L														< 4.00		
Chloroprene	2015-09	ug/L	< 1	< 1			< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
Chloroprene	2015-10	ug/L							< 1	< 1					< 1			< 1
Chloroprene	2016-03	ug/L			< 1	< 1												
Chloroprene	2016-06	ug/L			< 1	< 1												
Chloroprene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroprene	2023-01	ug/L															< 1	
Chloroprene	2023-03	ug/L															< 1	
Chloroprene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1
Chromium	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chromium	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chromium	2009-07	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chromium	2009-09	mg/L	< 0.02	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chromium	2010-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Chromium	2010-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Chromium	2011-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Chromium	2011-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Chromium	2012-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Chromium	2012-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Chromium	2013-03	mg/L	< 0.0200	< 0.02		< 0.0200	< 0.0200		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.0200	< 0.0200	< 0.02	< 0.02
Chromium	2013-05	mg/L			< 0.0200			< 0.0200										
Chromium	2013-09	mg/L	**0.00233 J**	**0.00151 J**	**0.00405 J**	< 0.0200	**0.00252 J**	**0.00425 J**	**0.00236 J**	**0.00236 J**	**0.00728 J**	**0.00429 J**	**0.00345 J**	**0.00176 J**	< 0.0200	**0.00217 J**	**0.00167 J**	**0.00369 J**
Chromium	2013-11	mg/L																
Chromium	2014-03	mg/L	**0.00265 J**	< 0.0200	< 0.0200	**0.00264 J**	**0.00227 J**	**0.00304 J**	**0.00365 J**	**0.00294 J**	**0.00368 J**	**0.00248 J**	**0.00301 J**	< 0.0200	**0.00242 J**	**0.00168 J**	**0.00153 J**	**0.00703 J**
Chromium	2014-06	mg/L																
Chromium	2014-09	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00124 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2015-03	mg/L	< 0.005	< 0.005	< 0.00500	< 0.00500	**0.00151 J**	< 0.00500	< 0.00500	< 0.00500	< 0.005	< 0.005	< 0.00500	< 0.00500	< 0.005	< 0.005	< 0.005	< 0.00500
Chromium	2015-09	mg/L	< 0.005	< 0.005		< 0.005	**0.00208 J**	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	
Chromium	2015-10	mg/L			< 0.005				< 0.005	< 0.005					< 0.005			< 0.005
Chromium	2016-03	mg/L	< 0.005	< 0.005	< 0.005	**0.000713 J**	**0.00127 J**	< 0.005	**0.000457 J**	**0.000499 J**	< 0.005	**0.000369 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.000556 J**	< 0.005
Chromium	2016-06	mg/L			< 0.005	< 0.005												
Chromium	2016-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00125 J**	**0.00191 J**	< 0.005	**0.00263 J**	**0.000515 J**	< 0.005	< 0.005	**0.000873 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2017-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.00135 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2017-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.000953 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2017-11	mg/L																
Chromium	2018-03	mg/L	< 0.005	< 0.005	< 0.005	**0.000825 J**	**0.00195 J**	< 0.005	**0.000828 J**	**0.00263 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2018-06	mg/L																
Chromium	2018-08	mg/L	< 0.005	< 0.005	< 0.005	**0.000835 J**		< 0.005	**0.000808 J**	< 0.005	**0.00127 J**	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2018-09	mg/L					**0.00155 J**						**0.000824 J**	< 0.005				
Chromium	2018-11	mg/L																
Chromium	2019-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.00103 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Chloromethane	2022-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Chloromethane	2023-01	ug/L															
Chloromethane	2023-03	ug/L		< 3			< 3			< 3							
Chloromethane	2023-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Chloromethane	2024-03	ug/L		< 3			< 3			< 3							
Chloromethane	2024-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Chloromethane	2025-03	ug/L		< 3			< 3			< 3							
Chloromethane	2025-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Chloroprene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Chloroprene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Chloroprene	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
Chloroprene	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
Chloroprene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Chloroprene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00										
Chloroprene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00									
Chloroprene	2012-09	ug/L				< 4.00											
Chloroprene	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
Chloroprene	2015-10	ug/L	< 1		< 1					< 1							
Chloroprene	2016-03	ug/L					< 1			< 1							
Chloroprene	2016-06	ug/L															
Chloroprene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1							
Chloroprene	2023-01	ug/L															
Chloroprene	2023-03	ug/L					< 1			< 1							
Chloroprene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1							
Chromium	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05								
Chromium	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05								
Chromium	2009-07	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05								
Chromium	2009-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200									
Chromium	2010-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Chromium	2010-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Chromium	2011-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Chromium	2011-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Chromium	2012-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Chromium	2012-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Chromium	2013-03	mg/L	< 0.02	< 0.02	< 0.0200		< 0.0200	< 0.02	< 0.02								
Chromium	2013-05	mg/L															
Chromium	2013-09	mg/L	**0.00415 J**	**0.00177 J**	**0.00219 J**	**0.00260 J**	**0.00393 J**	**0.00211 J**	**0.00323 J**	~~< 0.0200~~	< 0.0200	**0.00510 J**	< 0.0200	< 0.0200	**0.00634 J**		
Chromium	2013-11	mg/L								~~**0.00412 J**~~	**0.00268 J**	**0.00223 J**	< 0.0200	**0.00197 J**	**0.00157 J**		
Chromium	2014-03	mg/L	**0.00162 J**	**0.00408 J**	< 0.0200	**0.00891 J**	< 0.0200	< 0.0200	**0.00165 J**	~~**0.00422 J**~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200	**0.00236 J**		
Chromium	2014-06	mg/L								~~< 0.0200~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200		
Chromium	2014-09	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	~~< 0.005~~	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		
Chromium	2015-03	mg/L	< 0.00500	< 0.00500	**0.00136 J**	< 0.00500	< 0.005	**0.00165 J**	< 0.005	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500		
Chromium	2015-09	mg/L		< 0.005		< 0.005	< 0.005	< 0.005	< 0.005								
Chromium	2015-10	mg/L	< 0.005		**0.00149 J**					< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		
Chromium	2016-03	mg/L	< 0.005	**0.000951 J**	**0.00135 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.000904 J**	**0.00108 J**	**0.00101 J**	< 0.005	**0.00051 J**	< 0.005		
Chromium	2016-06	mg/L															
Chromium	2016-08	mg/L	< 0.005	**0.000923 J**	**0.0013 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.00102 J**	**0.00093 J**	**0.00129 J**	< 0.005	**0.00108 J**	**0.000362 J**		
Chromium	2017-03	mg/L	< 0.005	**0.000974 J**	**0.00105 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.000751 J**	< 0.005	< 0.005	< 0.005		
Chromium	2017-08	mg/L	< 0.005	**0.000845 J**	**0.00128 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.000747 J**	**0.000829 J**	< 0.005	< 0.005	< 0.005		
Chromium	2017-11	mg/L														< 0.005	< 0.005
Chromium	2018-03	mg/L	< 0.005	**0.00113 J**	**0.00182 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.00103 J**	**0.000967 J**	**0.000933 J**	< 0.005	< 0.005	< 0.005	**0.00166 J**	**0.00124 J**
Chromium	2018-06	mg/L														< 0.005	< 0.005
Chromium	2018-08	mg/L	< 0.005	**0.0012 J**	**0.00158 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005			
Chromium	2018-09	mg/L													< 0.005	< 0.005	< 0.005
Chromium	2018-11	mg/L														**0.0013 J**	< 0.005
Chromium	2019-03	mg/L	< 0.005	< 0.005	**0.00129 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chromium	2019-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00155 J**	< 0.005	**0.191 J**	**0.00407 J**	**0.00176 J**	< 0.005	**0.00257 J**	**0.0547**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2020-03	mg/L	< 0.005	< 0.005	< 0.005			< 0.005		< 0.005	< 0.02	< 0.005	< 0.005	< 0.02	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2020-04	mg/L				< 0.005	< 0.005		< 0.005									
Chromium	2020-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00145 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2021-03	mg/L							< 0.005	< 0.005	< 0.005	< 0.005						
Chromium	2021-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.00875**	**0.00115 J**	< 0.005	< 0.005	< 0.005	**0.00112 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2022-03	mg/L							< 0.005	< 0.02	< 0.005	< 0.005						
Chromium	2022-08	mg/L	< 0.005 J	< 0.005	< 0.005	**0.00198 J**	**0.00224 J**		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.0011 J**	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2023-01	mg/L															< 0.005	
Chromium	2023-03	mg/L							< 0.005	< 0.005	< 0.005	< 0.005					< 0.005	
Chromium	2023-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.0026 J**		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2024-03	mg/L							< 0.005	< 0.005	< 0.005	< 0.005						
Chromium	2024-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00147 J**	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2025-03	mg/L							< 0.005	< 0.005	< 0.005	< 0.005						
Chromium	2025-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00184 J**	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chrysene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Chrysene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Chrysene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Chrysene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Chrysene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Chrysene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Chrysene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Chrysene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Chrysene	2016-03	ug/L			< 11.1	< 11.2												
Chrysene	2016-06	ug/L			< 11.4	< 11.4												
Chrysene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Chrysene	2023-01	ug/L															< 10.9	
Chrysene	2023-03	ug/L															< 10.4	
Chrysene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
cis-1,2-Dichloroethene	2008-08	ug/L	< 1	**5.35**	< 1	< 1	< 1	**1.63**	**24.6**	**26.9**	**12.1**	< 1	< 1	**2.95**	< 1	**2.38**	< 1	< 1
cis-1,2-Dichloroethene	2009-03	ug/L	**1.35**	**5.97**	< 1	< 1	< 1	**2.5**	**14.3**	**9.34**	**14.7**	< 1	< 1	**1.45**	**1.06**	**2.56**	< 1	< 1
cis-1,2-Dichloroethene	2009-07	ug/L	**1.16**	**5.11**		< 1		**1.2**	**17.2**	**7.98**	**12.5**	< 1	< 1.00	**1.10**	< 1	**2.17**	< 1	
cis-1,2-Dichloroethene	2009-09	ug/L	< 1	**5.48**		< 1.00		**3.15**	**26.7**	**8.25**	**13.1**	< 1	< 1	**1.12**	< 1	**2.79**	< 1	
cis-1,2-Dichloroethene	2010-03	ug/L	< 1.00	**5.88**	< 1.00	< 1.00	< 1.00	< 1.00	**21.4**	**6.63**	**9.31**	< 1.00	< 1.00	< 1.00	< 1.00	**2.95**	< 1.00	< 1.00
cis-1,2-Dichloroethene	2010-09	ug/L	**1.11**	**4.57**	< 1.00	< 1.00	< 1.00	**2.19**	**16.6**	**3.07**	**10.7**	< 1.00	< 1.00	**1.95**	< 1.00	**2.96**	< 1.00	< 1.00
cis-1,2-Dichloroethene	2011-03	ug/L	**1.49**	**4.31**	< 1.00	< 1.00	< 10.0	< 1.00	**10.7**	**6.51**	**9.56**	< 1.00	< 1.00	**1.11**	< 1.00	**2.53**	< 1.00	< 1.00
cis-1,2-Dichloroethene	2011-09	ug/L	**1.32**	**4.56**	< 1.00	< 1.00	< 1.00	**2.57**	**12.0**	**1.04**	**6.35**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
cis-1,2-Dichloroethene	2012-03	ug/L	**1.92**	**4.58**	< 1.00	< 1.00	< 1.00	**2.39**	**8.06**	**1.16**	**6.56**	< 1.00	< 1.00	< 1.00	< 1.00	**1.71**	< 1.00	< 1.00
cis-1,2-Dichloroethene	2012-09	ug/L	**2.48**	**6.85**	< 1.00	< 1.00	< 1.00	**1.14**	**9.40**	**4.06**	**6.93**	< 1.00	< 1.00	**1.21**	< 1.00	**1.46**	< 1.00	< 1.00
cis-1,2-Dichloroethene	2013-03	ug/L	**2.18**	**5.62**		< 1.00	< 1.00		**7.92**	**1.05**	**4.97**	**0.927 J**	**0.51 J**	**0.493 J**	**0.664 J**	**0.789 J**	< 1	< 1
cis-1,2-Dichloroethene	2013-05	ug/L			< 1.00			**0.822 J**										
cis-1,2-Dichloroethene	2013-09	ug/L	**1.24**	**6.30**	**0.165 J**	< 1.00	< 1.00	**2.37**	**10.6**	**0.988 J**	**3.65**	**0.375 J**	**0.194 J**	**1.19**	**0.606 J**	**2.71**	< 1.00	< 1.00
cis-1,2-Dichloroethene	2013-11	ug/L																
cis-1,2-Dichloroethene	2014-03	ug/L	**1.87**	**0.789 J**	< 1.00	< 1.00	< 1.00	**3.62**	**7.29**	**1.61**	**3.90**	< 1.00	< 1.00	**1.08**	**5.87**	< 1.00	< 1.00	< 1.00
cis-1,2-Dichloroethene	2014-06	ug/L																
cis-1,2-Dichloroethene	2014-09	ug/L	**0.84 J**	**5.71**	< 1	< 1	< 1	**1.79**	**8.14**	**0.678 J**	**3.07**	**0.186 J**	< 1	< 1	< 1	**3.14**	< 1	< 1
cis-1,2-Dichloroethene	2015-03	ug/L	**1.08**	**5.34**	< 1.00	< 1.00	< 1.00	**0.636 J**	**6.92**	**1.94**	**3.68**	< 1	< 1.00	**0.829 J**	**0.411 J**	**2.69**	< 1	< 1.00
cis-1,2-Dichloroethene	2015-09	ug/L	**0.736 J**	**4.99**		< 1	< 1	**1.13**			**2.77**	< 1	< 1	**0.593 J**		**2.75**	< 1	
cis-1,2-Dichloroethene	2015-10	ug/L			< 1				**6.51**	**0.709 J**					**0.2 J**			< 1
cis-1,2-Dichloroethene	2016-03	ug/L	**1.1**	**4.62**	**0.163 J**	< 1	< 1	**0.593 J**	**5.96**	**0.359 J**	**2.63**	< 1	< 1	**0.256 J**	**0.153 J**	**2.68**	< 1	< 1
cis-1,2-Dichloroethene	2016-06	ug/L			< 1	< 1												
cis-1,2-Dichloroethene	2016-08	ug/L	**0.909 J**	**3.91**	**0.258 J**	< 1	< 1	**0.674 J**	**5.74**	**0.297 J**	**1.42**	< 1	**0.599 J**	**0.328 J**	< 1	**2.72**	< 1	< 1
cis-1,2-Dichloroethene	2017-03	ug/L	**0.759 J**	**3.03**	< 1	< 1	< 1	**0.656 J**	**5.35**	< 1	**0.29 J**	< 1	< 1	< 1	**0.212 J**	**1.49**	< 1	< 1
cis-1,2-Dichloroethene	2017-08	ug/L	**0.589 J**	**2.98**	< 1	< 1	< 1	**0.647 J**	**4.79**	**0.228 J**	**0.653 J**	**0.164 J**	< 1	**0.499 J**	< 1	**1.82**	< 1	< 1
cis-1,2-Dichloroethene	2017-11	ug/L																

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Chromium	2019-08	mg/L	**0.0351**	< 0.005	**0.0201**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00348 J**	**0.00311 J**	**0.00184 J**	**0.00254 J**	< 0.005	**0.00271 J**	< 0.005
Chromium	2020-03	mg/L	< 0.005	**0.00125 J**		< 0.005	< 0.005	< 0.005	< 0.005	**0.00125 J**	< 0.005	< 0.005	< 0.005		< 0.005	**0.00128 J**	< 0.005
Chromium	2020-04	mg/L			< 0.005									< 0.005			
Chromium	2020-08	mg/L	< 0.005	< 0.005	**0.00132 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	**0.00117 J**	< 0.005		< 0.005
Chromium	2021-03	mg/L		< 0.005			< 0.005			**0.00241 J**							
Chromium	2021-08	mg/L	< 0.005	**0.00111 J**	**0.00158 J**	< 0.005	**0.00442 J**	< 0.005	**0.00323 J**	< 0.005			< 0.005	**0.00112 J**	< 0.005		< 0.005
Chromium	2022-03	mg/L		< 0.02			< 0.005			< 0.005							
Chromium	2022-08	mg/L	< 0.005	< 0.005	**0.00193 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005		< 0.005
Chromium	2023-01	mg/L															
Chromium	2023-03	mg/L		< 0.005			< 0.005			< 0.005							
Chromium	2023-08	mg/L	< 0.005	**0.00119 J**	**0.00131 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005		< 0.005
Chromium	2024-03	mg/L		< 0.005			< 0.005			< 0.005							
Chromium	2024-08	mg/L	< 0.005	< 0.005	**0.00132 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	**0.00131 J**	< 0.005		< 0.005
Chromium	2025-03	mg/L		< 0.005			< 0.005			< 0.005							
Chromium	2025-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005		< 0.005
Chrysene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Chrysene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Chrysene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Chrysene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Chrysene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Chrysene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Chrysene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Chrysene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Chrysene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Chrysene	2016-03	ug/L					< 10.9			< 11.2							
Chrysene	2016-06	ug/L															
Chrysene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Chrysene	2023-01	ug/L															
Chrysene	2023-03	ug/L					< 10			< 10							
Chrysene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
cis-1,2-Dichloroethene	2008-08	ug/L	**4.61**	**1.83**	**32.7**	< 1	< 1	< 1	< 1								
cis-1,2-Dichloroethene	2009-03	ug/L	**5.7**	< 1	**59.2**	< 1	< 1	< 1	< 1								
cis-1,2-Dichloroethene	2009-07	ug/L	**5.27**	< 1	**42.7**	**1.18**	< 1.00										
cis-1,2-Dichloroethene	2009-09	ug/L	**7.16**	< 5.00	**35.6**	**1.14**	< 1.00										
cis-1,2-Dichloroethene	2010-03	ug/L	**7.17**	**1.12**	**28.2**	**1.96**	< 1.00	< 1.00	< 1.00								
cis-1,2-Dichloroethene	2010-09	ug/L	**6.15**	< 1.00	**43.5**	**2.04**	< 1.00	< 1.00	< 1.00								
cis-1,2-Dichloroethene	2011-03	ug/L	**5.72**	< 1.00	**15.1**	**1.07**	< 1.00	< 1.00	< 1.00								
cis-1,2-Dichloroethene	2011-09	ug/L	**6.04**	< 1.00	**30.4**	**2.25**	< 1.00	< 1.00	< 1.00								
cis-1,2-Dichloroethene	2012-03	ug/L	**6.33**	< 1.00	**22.4**	< 1.00	< 1.00	< 1.00	< 1.00								
cis-1,2-Dichloroethene	2012-09	ug/L	**7.28**	< 1.00	**4.86**	< 1.00	< 1.00	< 1.00	< 1.00								
cis-1,2-Dichloroethene	2013-03	ug/L	**6.15**	**0.137 J**	< 25.0		< 1.00	**0.289 J**	< 1								
cis-1,2-Dichloroethene	2013-05	ug/L															
cis-1,2-Dichloroethene	2013-09	ug/L	**4.04**	**0.270 J**	**13.0**	**0.359 J**	< 1.00	**0.405 J**	< 1.00		< 1.00	< 1.00	< 1.00	**0.310 J**	**1.08**		
cis-1,2-Dichloroethene	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
cis-1,2-Dichloroethene	2014-03	ug/L	**5.58**	< 1.00	**5.26**	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
cis-1,2-Dichloroethene	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
cis-1,2-Dichloroethene	2014-09	ug/L	**3.82**	**0.387 J**	**4.17**	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	**0.332 J**		
cis-1,2-Dichloroethene	2015-03	ug/L	**5.89**	**0.137 J**	**14.1**	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
cis-1,2-Dichloroethene	2015-09	ug/L		**0.526 J**		< 1	< 1	< 1	< 1								
cis-1,2-Dichloroethene	2015-10	ug/L	**5.72**		**15.4**					< 1	< 1	< 1	< 1	< 1	**0.397 J**		
cis-1,2-Dichloroethene	2016-03	ug/L	**7.17**	**0.253 J**	**5.24**	< 1	< 1	**0.133 J**	< 1	< 1	< 1	< 1	< 1	< 1	**0.719 J**		
cis-1,2-Dichloroethene	2016-06	ug/L															
cis-1,2-Dichloroethene	2016-08	ug/L	**5.91**	< 1	**8.48**	< 1	< 1	**0.298 J**	< 1	< 1	< 1	< 1	< 1	< 1	**1.12**		
cis-1,2-Dichloroethene	2017-03	ug/L	**6.52**	< 1	**3.35**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
cis-1,2-Dichloroethene	2017-08	ug/L	**4.19**	**0.198 J**	**13.4**	< 1	**0.229 J**	**0.311 J**	< 1	< 1	< 1	< 1	< 1	**0.323 J**	**0.673 J**		
cis-1,2-Dichloroethene	2017-11	ug/L														< 1	< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	2018-03	ug/L	**0.911 J**	**2.85**	< 1	< 1	< 1	**0.643 J**	**5.23**	**1.55**	**0.821 J**	< 1	< 1	**0.301 J**	< 1	**1.79**	< 1	< 1
cis-1,2-Dichloroethene	2018-06	ug/L																
cis-1,2-Dichloroethene	2018-08	ug/L	**0.576 J**	**3.78**	< 1	< 1		**0.536 J**	**5.29**	**0.38 J**	**0.982 J**	< 1			< 1	**1.98**	< 1	< 1
cis-1,2-Dichloroethene	2018-09	ug/L					< 1						**0.699 J**	**0.53 J**				
cis-1,2-Dichloroethene	2018-11	ug/L																
cis-1,2-Dichloroethene	2019-03	ug/L	< 1	**3.07**	< 1	< 1	< 1	**0.597 J**	**4.23**	< 1	< 1	< 1	< 1	< 1	< 1	**0.458 J**	< 1	< 1
cis-1,2-Dichloroethene	2019-08	ug/L	**0.62 J**	**2.56**	**0.366 J**	< 1	< 1	**0.722 J**	**4.05**	**0.363 J**	**1.02**	< 1	< 1	**1**	< 1	**0.925 J**	**0.269 J**	< 1
cis-1,2-Dichloroethene	2020-03	ug/L	**0.249 J**	**3.17**	< 1			**0.593 J**		< 1	**0.687 J**	< 1	< 1	**0.338 J**	< 1	**0.665 J**	< 1	< 1
cis-1,2-Dichloroethene	2020-04	ug/L				< 1	< 1		**4.11**									
cis-1,2-Dichloroethene	2020-08	ug/L	**0.674 J**	**2.64**	< 1	< 1	< 1	**0.52 J**	**3.65**	< 1	**0.833 J**	< 1	< 1	**0.698 J**	< 1	**1.29**	< 1	< 1
cis-1,2-Dichloroethene	2021-03	ug/L							**3.92**	< 1	**0.514 J**	< 1						
cis-1,2-Dichloroethene	2021-08	ug/L	**0.833 J+**	**2.06**	< 1	< 1	< 10	< 1	**4.15**	**0.318 J**	**1.25**	< 1	< 1	**0.459 J**	**0.252 J+**	**0.357 J**	< 1	< 1
cis-1,2-Dichloroethene	2022-03	ug/L							**4.05**	< 1	**0.631 J**	< 1						
cis-1,2-Dichloroethene	2022-08	ug/L	**0.776 J**	**3.37**	< 1	< 1	< 1		**3.81**	< 1	**0.882 J**	< 1	< 1	**0.596 J**	< 1	**1.06**	< 1	< 1
cis-1,2-Dichloroethene	2023-01	ug/L															< 1	
cis-1,2-Dichloroethene	2023-03	ug/L							**3.67**	< 1	**0.31 J**	< 1					< 1	
cis-1,2-Dichloroethene	2023-08	ug/L	**0.628 J**	**2.87**	< 1	< 1	< 1		**3.55**	< 1	**0.721 J**	< 1	< 1	**0.478 J**	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	2024-03	ug/L							**4.87**	< 1	< 1	< 1						
cis-1,2-Dichloroethene	2024-08	ug/L	**0.756 J**	**3.12**	< 1	< 1	< 1		**4.21**	< 1	**0.443 J**	< 1	< 1	**0.365 J**	< 1	**0.284 J**	< 1	< 1
cis-1,2-Dichloroethene	2025-03	ug/L							**3.69**	< 1	**0.387 J**	< 1						
cis-1,2-Dichloroethene	2025-08	ug/L	**0.612 J**	**2.57**	< 1	< 1	< 1		**3.14**	< 1	**0.565 J**	< 1	< 1	**0.252 J**	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2009-07	ug/L	< 5	< 5.00		< 5		< 5	< 5	< 5	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5	
cis-1,3-Dichloropropene	2009-09	ug/L	< 5	< 5.00		< 5.00		< 5.00	< 5.00	< 25.0	< 5.00	< 5	< 5	< 5	< 5	< 5	< 5	
cis-1,3-Dichloropropene	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
cis-1,3-Dichloropropene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 5.00	< 5.00	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 5.00	< 10.0	< 10.0	< 10.0	< 10.0	< 5.00
cis-1,3-Dichloropropene	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 50.0	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
cis-1,3-Dichloropropene	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
cis-1,3-Dichloropropene	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
cis-1,3-Dichloropropene	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
cis-1,3-Dichloropropene	2013-03	ug/L	< 5.00	< 5		< 5.00	< 5.00		< 5	< 5	< 5	< 5	< 5	< 5	< 5.00	< 5.00	< 5	< 5
cis-1,3-Dichloropropene	2013-05	ug/L			< 5.00			< 5.00										
cis-1,3-Dichloropropene	2013-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
cis-1,3-Dichloropropene	2013-11	ug/L																
cis-1,3-Dichloropropene	2014-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
cis-1,3-Dichloropropene	2014-06	ug/L																
cis-1,3-Dichloropropene	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2015-03	ug/L	< 5	< 5	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5	< 5.00
cis-1,3-Dichloropropene	2015-09	ug/L	< 5	< 5		< 5	< 5	< 5			< 5	< 5	< 5	< 5		< 5	< 5	
cis-1,3-Dichloropropene	2015-10	ug/L			< 5				< 5	< 5					< 5			< 5
cis-1,3-Dichloropropene	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2016-06	ug/L			< 5	< 5												
cis-1,3-Dichloropropene	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2017-11	ug/L																
cis-1,3-Dichloropropene	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2018-06	ug/L																
cis-1,3-Dichloropropene	2018-08	ug/L	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2018-09	ug/L					< 5						< 5	< 5				
cis-1,3-Dichloropropene	2018-11	ug/L																
cis-1,3-Dichloropropene	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2020-03	ug/L	< 5	< 5	< 5			< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2020-04	ug/L				< 5	< 5		< 5									

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
cis-1,2-Dichloroethene	2018-03	ug/L	**7.77**	**0.231 J**	**6.55**	< 1	< 1	**0.224 J**	< 1	< 10	< 1	< 1	< 1	< 1	**0.298 J**	< 1	< 1
cis-1,2-Dichloroethene	2018-06	ug/L														< 1	< 1
cis-1,2-Dichloroethene	2018-08	ug/L	**5.83**	< 1	**12.1**	< 1	< 1	**0.472 J**	< 1	< 1		< 1	< 1	< 1			
cis-1,2-Dichloroethene	2018-09	ug/L													**0.521 J**	< 1	< 1
cis-1,2-Dichloroethene	2018-11	ug/L														< 1	< 1
cis-1,2-Dichloroethene	2019-03	ug/L	**8.4**	< 1	**1.56**	< 1	< 1	**0.458 J**	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	2019-08	ug/L	**3.41**	**0.213 J**	**8.76**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.236 J**	**0.794 J**	< 1	< 1
cis-1,2-Dichloroethene	2020-03	ug/L	**3.2**	< 1		< 1	< 1	**0.272 J**	< 1	< 1	< 1	< 1	< 1		**0.244 J**	< 1	< 1
cis-1,2-Dichloroethene	2020-04	ug/L			**1.41**									< 1			
cis-1,2-Dichloroethene	2020-08	ug/L	**3.21**	< 1	**7.53**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	**0.498 J**		< 1
cis-1,2-Dichloroethene	2021-03	ug/L		< 1			< 1			< 1							
cis-1,2-Dichloroethene	2021-08	ug/L	**4.45 J+**	< 1	**8.76**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	**0.217 J**		< 1
cis-1,2-Dichloroethene	2022-03	ug/L		< 1			< 1			< 1							
cis-1,2-Dichloroethene	2022-08	ug/L	**4.62**	< 1	**5.2**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
cis-1,2-Dichloroethene	2023-01	ug/L															
cis-1,2-Dichloroethene	2023-03	ug/L		< 1			< 1			< 1							
cis-1,2-Dichloroethene	2023-08	ug/L	**5.56**	< 1	**6.03**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
cis-1,2-Dichloroethene	2024-03	ug/L		< 1			< 1			< 1							
cis-1,2-Dichloroethene	2024-08	ug/L	**7.11**	< 1	**0.64 J**	< 1	< 1	**0.329 J**	< 1	< 1			< 1	< 1	**0.223 J**		< 1
cis-1,2-Dichloroethene	2025-03	ug/L		< 1			< 1			< 1							
cis-1,2-Dichloroethene	2025-08	ug/L	**5.87**	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
cis-1,3-Dichloropropene	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5								
cis-1,3-Dichloropropene	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5								
cis-1,3-Dichloropropene	2009-07	ug/L	< 5.00	< 5	< 5	< 5	< 5.00										
cis-1,3-Dichloropropene	2009-09	ug/L	< 5.00	< 25.0	< 5.00	< 5.00	< 5.00										
cis-1,3-Dichloropropene	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
cis-1,3-Dichloropropene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 5.00	< 5.00								
cis-1,3-Dichloropropene	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
cis-1,3-Dichloropropene	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
cis-1,3-Dichloropropene	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
cis-1,3-Dichloropropene	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
cis-1,3-Dichloropropene	2013-03	ug/L	< 5	< 5	< 125		< 5.00	< 5	< 5								
cis-1,3-Dichloropropene	2013-05	ug/L															
cis-1,3-Dichloropropene	2013-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
cis-1,3-Dichloropropene	2013-11	ug/L									< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
cis-1,3-Dichloropropene	2014-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
cis-1,3-Dichloropropene	2014-06	ug/L									< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
cis-1,3-Dichloropropene	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5		
cis-1,3-Dichloropropene	2015-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5	< 5	< 5		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
cis-1,3-Dichloropropene	2015-09	ug/L		< 5		< 5	< 5	< 5	< 5								
cis-1,3-Dichloropropene	2015-10	ug/L	< 5		< 5					< 5	< 5	< 5	< 5	< 5	< 5		
cis-1,3-Dichloropropene	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
cis-1,3-Dichloropropene	2016-06	ug/L															
cis-1,3-Dichloropropene	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
cis-1,3-Dichloropropene	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
cis-1,3-Dichloropropene	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
cis-1,3-Dichloropropene	2017-11	ug/L														< 5	< 5
cis-1,3-Dichloropropene	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2018-06	ug/L														< 5	< 5
cis-1,3-Dichloropropene	2018-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5			
cis-1,3-Dichloropropene	2018-09	ug/L													< 5	< 5	< 5
cis-1,3-Dichloropropene	2018-11	ug/L														< 5	< 5
cis-1,3-Dichloropropene	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2020-03	ug/L	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5
cis-1,3-Dichloropropene	2020-04	ug/L			< 5									< 5			

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2021-03	ug/L							< 5	< 5	< 5	< 5						
cis-1,3-Dichloropropene	2021-08	ug/L	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2022-03	ug/L							< 5	< 5	< 5	< 5						
cis-1,3-Dichloropropene	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2023-01	ug/L															< 5	
cis-1,3-Dichloropropene	2023-03	ug/L							< 5	< 5	< 5	< 5					< 5	
cis-1,3-Dichloropropene	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2024-03	ug/L							< 5	< 5	< 5	< 5						
cis-1,3-Dichloropropene	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2025-03	ug/L							< 5	< 5	< 5	< 5						
cis-1,3-Dichloropropene	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Cobalt	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	~~< 0.05~~	< 0.05	< 0.05	~~< 0.05~~	< 0.05	~~< 0.05~~	< 0.05	< 0.05	~~< 0.05~~	< 0.05	< 0.05	< 0.05
Cobalt	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	~~< 0.05~~	< 0.05	< 0.05	~~< 0.05~~	< 0.05	~~< 0.05~~	< 0.05	< 0.05	~~< 0.05~~	< 0.05	< 0.05	< 0.05
Cobalt	2009-07	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	~~< 0.05~~	< 0.05	< 0.05	~~< 0.05~~	< 0.05	~~< 0.05~~	< 0.05	< 0.05	~~< 0.05~~	< 0.05	< 0.05	< 0.05
Cobalt	2009-09	mg/L		< 0.0200	< 0.0200	< 0.0200	~~< 0.0200~~	< 0.0200	< 0.0200	~~0.0270~~	< 0.0200	~~0.0263~~	< 0.02	< 0.02	~~< 0.02~~	< 0.02	< 0.02	< 0.02
Cobalt	2010-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	~~< 0.0200~~	< 0.0200	< 0.0200	~~0.0359~~	< 0.0200	~~< 0.0200~~	< 0.0200	< 0.0200	~~< 0.0200~~	< 0.0200	< 0.0200	< 0.0200
Cobalt	2010-09	mg/L	**0.00358 J**	**0.00288 J**	< 0.0200	**0.00798 J**	~~0.00721 J~~	< 0.0200	**0.00577 J**	~~0.0323~~	**0.00301 J**	~~0.0200~~	**0.00797 J**	**0.00248 J**	~~0.00450 J~~	< 0.0200	< 0.0200	< 0.0200
Cobalt	2011-03	mg/L	**0.00386 J**	**0.00374 J**	**0.00479 J**	**0.00186 J**	~~0.00659 J~~	**0.00415 J**	**0.00533 J**	~~0.0230~~	**0.00523 J**	~~0.0146 J~~	**0.00340 J**	< 0.0200	~~0.00387 J~~	< 0.0200	< 0.0200	< 0.0200
Cobalt	2011-09	mg/L	**0.00185 J**	**0.00260 J**	< 0.0200	**0.00999 J**	~~0.0105 J~~	**0.00159 J**	**0.00483 J**	~~0.0244~~	< 0.0200	~~0.0174 J~~	**0.00425 J**	**0.00345 J**	~~0.00458 J~~	< 0.0200	< 0.0200	< 0.0200
Cobalt	2012-03	mg/L	**0.00206 J**	**0.00252 J**	< 0.0200	**0.00471 J**	~~0.00869 J~~	**0.00340 J**	**0.00500 J**	~~0.0282~~	**0.00290 J**	~~0.00922 J~~	**0.00338 J**	**0.00234 J**	~~0.00822 J~~	< 0.0200	< 0.0200	< 0.0200
Cobalt	2012-09	mg/L	< 0.0200	**0.00291 J**	< 0.0200	**0.00988 J**	~~0.00986 J~~	< 0.0200	**0.00415 J**	~~0.0173 J~~	< 0.0200	~~0.00882 J~~	**0.00612 J**	**0.00337 J**	~~0.0119 J~~	< 0.0200	< 0.0200	< 0.0200
Cobalt	2013-03	mg/L	**0.00298 J**	**0.00495 J**		**0.00211 J**	~~0.00679 J~~		**0.00644 J**	~~0.0222~~	**0.00996 J**	~~0.0149 J~~	**0.00537 J**	**0.00301 J**	~~0.0168 J~~	< 0.0200	**0.00157 J**	**0.00335 J**
Cobalt	2013-05	mg/L			< 0.00700			**0.00276 J**										
Cobalt	2013-09	mg/L	**0.00204 J**	< 0.00700	< 0.00700	**0.00307 J**	~~0.0120~~	< 0.00700	**0.00423 J**	~~0.00236 J~~	< 0.00700	~~< 0.00700~~	< 0.00700	< 0.00700	~~0.00991~~	< 0.00700	< 0.00700	< 0.00700
Cobalt	2013-11	mg/L																
Cobalt	2014-03	mg/L	< 0.00700	**0.00378 J**	< 0.00700	**0.00595 J**	~~0.0110~~	< 0.00700	**0.00553 J**	~~0.0201~~	< 0.00700	~~0.0103~~	**0.00477 J**	**0.00243 J**	~~0.0118~~	< 0.00700	< 0.00700	< 0.00700
Cobalt	2014-06	mg/L																
Cobalt	2014-09	mg/L	**0.0018**	**0.00299**	**0.000065 J**	**0.00647**	~~0.00664~~	**0.0007**	**0.0052**	~~0.0179~~	**0.00423**	~~0.0116~~	**0.003**	**0.00231**	~~0.00971~~	**0.000337 J**	**0.000236 J**	**0.000079 J**
Cobalt	2015-03	mg/L	**0.00166**	**0.00377**	**0.000216 J**	**0.00277**	~~0.00632~~	**0.00178**	**0.00525**	~~0.00524~~	**0.00167**	~~0.00793~~	**0.00161**	**0.00222**	~~0.0093~~	**0.000358 J**	< 0.0005	< 0.000500
Cobalt	2015-09	mg/L	**0.00303**	**0.00291**		**0.00148**	~~0.00231~~	**0.00115**			**0.00317**	~~0.00683~~	**0.0024**	**0.00139**		**0.000315 J**	< 0.0005	
Cobalt	2015-10	mg/L			**0.000239 J**				**0.00441**	~~0.00291~~					~~0.00758~~			< 0.0005
Cobalt	2016-03	mg/L	**0.00134**	**0.00292**	**0.000068 J**	**0.000986**	~~0.00581~~	**0.0016**	**0.00464**	~~0.00256~~	**0.00592**	~~0.00949~~	**0.000318 J**	**0.000678**	~~0.00484~~	**0.000287 J**	**0.000048 J**	< 0.0005
Cobalt	2016-06	mg/L			**0.000042 J**	**0.001**												
Cobalt	2016-08	mg/L	**0.00141**	**0.00259**	**0.000045 J**	**0.00115**	~~0.00539~~	**0.00141**	**0.0049**	**0.00291**	**0.00549**	~~0.00818~~	**0.00421**	**0.000957**	**0.00253**	**0.000379 J**	**0.000086 J**	< 0.0005
Cobalt	2017-03	mg/L	**0.00246**	**0.00261**	**0.000064 J**	**0.00145**	~~0.00483~~	**0.00232**	**0.00363**	**0.00201**	**0.00195**	~~0.008~~	**0.00085**	**0.00134**	**0.00482**	**0.000131 J**	**0.000048 J**	< 0.0005
Cobalt	2017-08	mg/L	**0.00301**	**0.00224**	< 0.0005	**0.00359**	**0.00511**	**0.00114**	**0.00362**	**0.00168**	**0.00349**	**0.00619**	**0.00434**	**0.00312**	**0.00257**	**0.000214 J**	< 0.0005	< 0.0005
Cobalt	2017-11	mg/L																
Cobalt	2018-03	mg/L	**0.0019**	**0.00255**	**0.000047 J**	**0.00102**	**0.0044**	**0.000864**	**0.00429**	**0.00178**	**0.00331**	**0.00744**	**0.00181**	**0.00169**	**0.00494**	**0.00041 J**	**0.000197 J**	< 0.0005
Cobalt	2018-06	mg/L																
Cobalt	2018-08	mg/L	**0.00213**	**0.00213**	**0.000489 J**	**0.00224**		**0.000978**	**0.00399**	**0.00178**	**0.00259**	**0.00496**			**0.00285**	**0.000429 J**	< 0.0005	< 0.0005
Cobalt	2018-09	mg/L					**0.0042**						**0.00222**	**0.00266**				
Cobalt	2018-11	mg/L																
Cobalt	2019-03	mg/L	**0.000521**	**0.00212**	**0.000113 J**	**0.00306**	**0.00457**	**0.00136**	**0.00496**	**0.00499**	**0.0154**	**0.0084**	**0.000116 J**	**0.00075**	**0.000348 J**	**0.00086**	< 0.0005	< 0.0005
Cobalt	2019-08	mg/L	**0.000882**	**0.00184**	< 0.0005	**0.00175**	**0.00181**	**0.000759**	**0.00222**	**0.00251**	**0.00111**	**0.00303**	**0.0012**	**0.0035**	**0.00188**	**0.00013 J**	< 0.0005	< 0.0005
Cobalt	2020-03	mg/L	**0.0018**	**0.00177**	< 0.0005			**0.00185**		**0.00218**	**0.000836 J**	**0.00872**	**0.000107 J**	**0.00262**	**0.00251**	**0.000134 J**	< 0.0005	< 0.0005
Cobalt	2020-04	mg/L				**0.00226**	**0.00824**		**0.00343**									
Cobalt	2020-08	mg/L	**0.00156**	**0.0019**	< 0.0005	**0.00616**	**0.00638**	**0.00116**	**0.00316**	**0.00196**	**0.00225**	**0.00399**	**0.00288**	**0.00455**	**0.00369**	**0.000216 J**	< 0.0005	< 0.0005
Cobalt	2021-03	mg/L							**0.00434**	**0.0025**	**0.00117**	**0.00937**						
Cobalt	2021-08	mg/L	**0.00365**	**0.00177**	**0.000274 J**	**0.00373**	**0.00537**	**0.000517**	**0.00406**	**0.00211**	**0.00144**	**0.00669**	**0.00118**	**0.00509**	**0.00688**	**0.000844**	**0.000098 J**	**0.000103 J**
Cobalt	2022-03	mg/L							**0.00386**	**0.00412**	**0.0015**	**0.0131**						
Cobalt	2022-08	mg/L	**0.00191 J**	**0.00154**	< 0.0005	**0.00265**	**0.00228**		**0.00382**	**0.00131**	**0.00313**	**0.00294**	**0.00152**	**0.00394**	**0.00263**	**0.000323 J**	< 0.0005	< 0.0005
Cobalt	2023-01	mg/L															< 0.0005	
Cobalt	2023-03	mg/L							**0.00434**	**0.00204**	**0.000748**	**0.00554**					**0.000334 J**	
Cobalt	2023-08	mg/L	**0.00202**	**0.00177**	< 0.0005	**0.00282**	**0.00292**		**0.00393**	**0.00155**	**0.00182**	**0.00649**	**0.00176**	**0.00424**	**0.00234**	**0.000395 J**	< 0.0005	< 0.0005
Cobalt	2024-03	mg/L							**0.00435**	**0.00163**	**0.00254**	**0.00627**						

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
cis-1,3-Dichloropropene	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
cis-1,3-Dichloropropene	2021-03	ug/L		< 5			< 5			< 5							
cis-1,3-Dichloropropene	2021-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
cis-1,3-Dichloropropene	2022-03	ug/L		< 5			< 5			< 5							
cis-1,3-Dichloropropene	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
cis-1,3-Dichloropropene	2023-01	ug/L															
cis-1,3-Dichloropropene	2023-03	ug/L		< 5			< 5			< 5							
cis-1,3-Dichloropropene	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
cis-1,3-Dichloropropene	2024-03	ug/L		< 5			< 5			< 5							
cis-1,3-Dichloropropene	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
cis-1,3-Dichloropropene	2025-03	ug/L		< 5			< 5			< 5							
cis-1,3-Dichloropropene	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Cobalt	2008-08	mg/L	< 0.05	< 0.05	< 0.05	~~< 0.05~~	~~< 0.05~~	< 0.05	< 0.05								
Cobalt	2009-03	mg/L	< 0.05	< 0.05	< 0.05	~~< 0.05~~	~~< 0.05~~	< 0.05	< 0.05								
Cobalt	2009-07	mg/L	< 0.05	< 0.05	< 0.05	~~< 0.05~~	~~< 0.05~~	< 0.05	< 0.05								
Cobalt	2009-09	mg/L	< 0.0200	< 0.0200	< 0.0200	~~< 0.0200~~	~~< 0.0200~~	< 0.0200									
Cobalt	2010-03	mg/L	< 0.0200	< 0.0200	< 0.0200	~~< 0.0200~~	~~< 0.0200~~	< 0.0200	< 0.0200								
Cobalt	2010-09	mg/L	< 0.0200	**0.00178 J**	< 0.0200	**0.0100 J**	~~< 0.0200~~	< 0.0200	< 0.0200								
Cobalt	2011-03	mg/L	< 0.0200	**0.00225 J**	**0.0128 J**	**0.0127 J**	~~< 0.0200~~	**0.00558 J**	< 0.0200								
Cobalt	2011-09	mg/L	< 0.0200	**0.00170 J**	**0.00294 J**	**0.0106 J**	~~< 0.0200~~	< 0.0200	< 0.0200								
Cobalt	2012-03	mg/L	< 0.0200	< 0.0200	**0.00401 J**	**0.00794 J**	~~< 0.0200~~	< 0.0200	< 0.0200								
Cobalt	2012-09	mg/L	< 0.0200	**0.00202 J**	**0.00441 J**	**0.0185 J**	~~< 0.0200~~	**0.00227 J**	< 0.0200								
Cobalt	2013-03	mg/L	**0.00292 J**	**0.00624 J**	**0.0121 J**		**0.00199 J**	**0.00281 J**	**0.00148 J**								
Cobalt	2013-05	mg/L															
Cobalt	2013-09	mg/L	< 0.00700	< 0.00700	< 0.00700	**0.0162**	~~< 0.00700~~	< 0.00700	< 0.00700	~~**0.00172 J**~~	< 0.00700	< 0.00700	**0.0278**	**0.0259**	< 0.00700		
Cobalt	2013-11	mg/L								~~< 0.00700 J~~	**0.00281 J**	**0.00144 J**	**0.0351**	**0.00259 J**	< 0.00700		
Cobalt	2014-03	mg/L	< 0.00700	**0.00248 J**	**0.00400 J**	**0.0176**	~~< 0.00700~~	< 0.00700	< 0.00700	~~**0.00163 J**~~	< 0.00700	< 0.00700	**0.0326**	**0.00314 J**	< 0.00700		
Cobalt	2014-06	mg/L								~~< 0.00700~~	< 0.00700	< 0.00700	**0.0253**	**0.00589 J**	< 0.00700		
Cobalt	2014-09	mg/L	**0.0012**	**0.00264**	**0.00269**	**0.00887**	**0.008**	**0.000562**	**0.000079 J**	~~**0.000433 J**~~	**0.000728**	**0.00137**	**0.025**	**0.0166**	**0.00075**		
Cobalt	2015-03	mg/L	**0.000835**	**0.00509**	**0.00312**	**0.00660**	**0.000333 J**	**0.000483 J**	**0.000065 J**	**0.000924**	**0.0000970 J**	**0.0000790 J**	**0.0216**	**0.00263**	**0.0000670 J**		
Cobalt	2015-09	mg/L		**0.00236**		**0.00896**	**0.00337**	**0.000162 J**	< 0.0005								
Cobalt	2015-10	mg/L	**0.00211**		**0.00311**					< 0.0005	**0.000064 J**	**0.000098 J**	**0.0245**	**0.0136**	**0.000095 J**		
Cobalt	2016-03	mg/L	**0.00192**	**0.00275**	**0.00302**	**0.0128**	**0.00687**	**0.000103 J**	< 0.0005	< 0.0005	**0.000242 J**	**0.000085 J**	**0.0162**	**0.00917**	**0.000107 J**		
Cobalt	2016-06	mg/L															
Cobalt	2016-08	mg/L	**0.0012**	**0.00252**	**0.00295**	**0.0128**	**0.00192**	**0.00024 J**	< 0.0005	**0.000081 J**	**0.000078 J**	**0.000097 J**	**0.0181**	**0.0224**	**0.000206 J**		
Cobalt	2017-03	mg/L	**0.00176**	**0.00284**	**0.00298**	**0.0136**	**0.00318**	**0.00011 J**	**0.000119 J**	< 0.0005	**0.00007 J**	**0.000281 J**	**0.0099**	**0.0127**	**0.000062 J**		
Cobalt	2017-08	mg/L	**0.000944**	**0.00207**	**0.00291**	**0.00823**	**0.00262**	**0.00009 J**	< 0.0005	< 0.0005	**0.000053 J**	**0.000086 J**	**0.0187**	**0.0208**	**0.000262 J**		
Cobalt	2017-11	mg/L														**0.000103 J**	**0.00143**
Cobalt	2018-03	mg/L	**0.00163**	**0.00477**	**0.0105**	**0.00771**	**0.00199**	**0.000112 J**	< 0.0005	**0.000046 J**	< 0.0005	**0.000063 J**	**0.0177**	**0.00358**	**0.000084 J**	**0.00019 J**	**0.000674**
Cobalt	2018-06	mg/L			**0.00591**											**0.00024 J**	**0.00053**
Cobalt	2018-08	mg/L	**0.00105**	**0.0021**	**0.00356**	**0.00919**	~~**0.00709**~~	**0.000085 J**	< 0.0005	< 0.0005		< 0.0005	**0.0213**	**0.00937**			
Cobalt	2018-09	mg/L													**0.000141 J**	**0.000119 J**	**0.000447 J**
Cobalt	2018-11	mg/L														**0.000096 J**	**0.000287 J**
Cobalt	2019-03	mg/L	**0.00219**	**0.00132**	**0.00292**	**0.00952**	**0.000184 J**	**0.000249 J**	< 0.0005	< 0.0005		< 0.0005	**0.0196**	**0.00222**	**0.000093 J**	**0.00025 J**	**0.000132 J**
Cobalt	2019-08	mg/L	**0.000451 J**	**0.00218**	**0.00278**	**0.0083**	**0.000492 J**	**0.000098 J**	< 0.0005	< 0.0005	**0.00011 J**	**0.000092 J**	**0.0158**	**0.0475**	< 0.0005	< 0.0005	**0.000279 J**
Cobalt	2020-03	mg/L	**0.00073**	**0.00241**		**0.0136**	**0.000272 J**	**0.000206 J**	< 0.0005	**0.000094 J**	**0.000299 J**	< 0.0005	**0.0175**		**0.000146 J**	**0.000726**	**0.000362 J**
Cobalt	2020-04	mg/L			**0.00795**									**0.0059**			
Cobalt	2020-08	mg/L	**0.000304 J**	**0.00265**	**0.00404**	**0.0064**	**0.000338 J**	< 0.0005	< 0.0005	< 0.0005			**0.0143**	**0.0292**	**0.000135 J**		**0.000371 J**
Cobalt	2021-03	mg/L		**0.00395**			**0.000191 J**			**0.000776**							
Cobalt	2021-08	mg/L	**0.00166**	**0.0024**	**0.00486**	**0.00654**	**0.000319 J**	**0.000182 J**	**0.000094 J**	**0.000139 J**			**0.00794**	**0.0271**	**0.00159**		**0.000384 J**
Cobalt	2022-03	mg/L		**0.0146**			**0.000648**			< 0.0005							
Cobalt	2022-08	mg/L	**0.000636**	**0.00262**	**0.00354**	**0.00467**	**0.000251 J**	< 0.0005	< 0.0005	< 0.0005			**0.00471**	**0.0234**	**0.00105**		**0.000522**
Cobalt	2023-01	mg/L															
Cobalt	2023-03	mg/L		**0.00354**			< 0.0005			~~**0.000419 J**~~							
Cobalt	2023-08	mg/L	**0.00074**	**0.00238**	**0.00377**	**0.00535**	< 0.0005	**0.000232 J**	< 0.0005	**0.000387 J**			**0.00445**	**0.00913**	**0.00063**		**0.000296 J**
Cobalt	2024-03	mg/L		**0.00305**			**0.000177 J**			**0.000391 J**							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cobalt	2024-08	mg/L	**0.00136**	**0.00169**	< 0.0005	**0.0037**	**0.00294**		**0.00445**	**0.00148**	**0.000804**	**0.0052**	**0.00209**	**0.00137**	**0.000883**	**0.000266 J**	< 0.0005	< 0.0005
Cobalt	2025-03	mg/L							**0.00177**	**0.00178**	**0.000832**	**0.0072**						
Cobalt	2025-08	mg/L	**0.00158**	**0.00183**	< 0.0005	**0.0164**	**0.00205**		**0.00368**	**0.00116**	**0.000563**	**0.00795**	**0.000835**	**0.00111**	**0.00166**	**0.00131**	< 0.0005	< 0.0005
Copper	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	2009-03	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Copper	2009-07	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Copper	2009-09	mg/L	< 0.02	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Copper	2010-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Copper	2010-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Copper	2011-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Copper	2011-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	**0.0206**	**0.0208**	**0.0254**	< 0.0200	**0.0291**	**0.0271**	**0.0225**	**0.0259**	< 0.0200	**0.0206**	< 0.0200	< 0.0200
Copper	2012-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Copper	2012-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Copper	2013-03	mg/L	< 0.0200	**0.00492 J**		**0.0153 J**	< 0.0200		< 0.02	< 0.02	< 0.02	< 0.02	**0.00272 J**	< 0.02 J	< 0.0200	< 0.0200	< 0.02	< 0.02 J
Copper	2013-05	mg/L			< 0.0200			< 0.0200										
Copper	2013-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200 J	< 0.0200 J	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Copper	2013-11	mg/L																
Copper	2014-03	mg/L	< 0.0200	< 0.0200	< 0.0200 J	**0.00885 J**	**0.00168 J**	< 0.0200	< 0.0200	**0.00491 J**	< 0.0200	< 0.0200	< 0.0200	< 0.0200	**0.00590 J**	**0.0550**	< 0.0200	**0.00243 J**
Copper	2014-06	mg/L																
Copper	2014-09	mg/L	< 0.002	< 0.002	< 0.002	**0.0176**	**0.015**	< 0.002	< 0.002	**0.000836 J**	< 0.002	**0.000502 J**	< 0.002	**0.000899 J**	**0.000837 J**	**0.00644**	**0.00115 J**	**0.000852 J**
Copper	2015-03	mg/L	< 0.002	**0.00398**	< 0.00200 J	**0.0205**	**0.00348**	< 0.00200	< 0.00200 J	< 0.00200 J	< 0.002	< 0.002	**0.00134 J**	**0.00197 J**	< 0.002	**0.00495**	< 0.002	< 0.00200
Copper	2015-09	mg/L	< 0.002	**0.00104 J**		**0.0444**	**0.000961 J**	**0.000895 J**			< 0.002	< 0.002	< 0.002	**0.00103 J**		< 0.002	< 0.002	
Copper	2015-10	mg/L			< 0.002				< 0.002	< 0.002 J					**0.00144 J**			< 0.002
Copper	2016-01	mg/L				**0.0440**												
Copper	2016-03	mg/L	< 0.005	< 0.005	< 0.005	**0.0396**	**0.00275 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00144 J**	< 0.005 J	**0.0013 J**	**0.00192 J**	**0.0013 J**	< 0.005
Copper	2016-06	mg/L			< 0.005	**0.0341**												
Copper	2016-08	mg/L	< 0.005	< 0.005	< 0.005	**0.0983**	**0.00154 J**	< 0.005	**0.00253 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00178 J**	< 0.005	< 0.005
Copper	2017-03	mg/L	< 0.005	< 0.005	< 0.005	**0.0292**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2017-08	mg/L	< 0.005	< 0.005	< 0.005	**0.0234**	**0.00261 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2017-11	mg/L																
Copper	2018-03	mg/L	< 0.005	**0.00459 J**	< 0.005	**0.0452**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2018-06	mg/L																
Copper	2018-08	mg/L	< 0.005	< 0.005	< 0.005	**0.0486**		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Copper	2018-09	mg/L					< 0.005						< 0.005	< 0.005				
Copper	2018-11	mg/L																
Copper	2019-03	mg/L	< 0.005	< 0.005	< 0.005	**0.0339**	**0.00344 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2019-08	mg/L	< 0.005	< 0.005	< 0.005	**0.101**	**0.0112**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2020-03	mg/L	< 0.005	< 0.005	< 0.005			< 0.005		< 0.005	< 0.02	< 0.005	< 0.005	< 0.02	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2020-04	mg/L				**0.0268**	**0.00577**		< 0.005									
Copper	2020-08	mg/L	< 0.005	< 0.005	< 0.005	**0.0424**	**0.00536**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00164 J**	< 0.005	< 0.005	< 0.005
Copper	2021-03	mg/L							< 0.005	< 0.005	< 0.005	< 0.005						
Copper	2021-08	mg/L	< 0.005	**0.00179 J**	< 0.005	**0.0291**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2022-03	mg/L							< 0.005	< 0.02	< 0.005	< 0.005						
Copper	2022-08	mg/L	< 0.005 J	< 0.005	< 0.005	**0.112**	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.0037 J**	< 0.005	< 0.005
Copper	2023-01	mg/L															< 0.005	
Copper	2023-03	mg/L							< 0.005	< 0.005	< 0.005	< 0.005					**0.00213 J**	
Copper	2023-08	mg/L	< 0.005	< 0.005	< 0.005	**0.0378**	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.0021 J**	< 0.005	< 0.005	< 0.005
Copper	2024-03	mg/L							< 0.005	< 0.005	< 0.005	< 0.005						
Copper	2024-08	mg/L	< 0.005	< 0.005	< 0.005	**0.0917**	**0.00503**		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00228 J**	**0.0212**	< 0.005	< 0.005
Copper	2025-03	mg/L							< 0.005	< 0.005	< 0.005	< 0.005						
Copper	2025-08	mg/L	< 0.005	< 0.005	< 0.005	**0.14**	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.0109**	< 0.005	< 0.005
Cyanide	2008-08	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cyanide	2009-03	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cyanide	2010-09	mg/L	< 0.0100	< 0.0100	< 0.0100			< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100		< 0.0100	< 0.0100	< 0.0100	< 0.0100	
Cyanide	2015-09	mg/L	< 0.01	< 0.01			< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	
Cyanide	2015-10	mg/L							< 0.01	< 0.01					< 0.01			< 0.01

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Cobalt	2024-08	mg/L	**0.00179**	**0.00845**	**0.0034**	**0.00389**	< 0.0005	< 0.0005	< 0.0005	**0.000513**			**0.00424**	**0.03**	**0.000569**		**0.000307 J**
Cobalt	2025-03	mg/L		**0.00549**			**0.000202 J**			**0.00138**							
Cobalt	2025-08	mg/L	**0.00166**	**0.00341**	**0.00695**	**0.0048**	**0.00146**	**0.000567**	< 0.0005	**0.000349 J**			**0.00325**	**0.0253**	**0.000202 J**		< 0.0005
Copper	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	~~< 0.05~~	< 0.05	< 0.05								
Copper	2009-03	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02								
Copper	2009-07	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02								
Copper	2009-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200									
Copper	2010-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Copper	2010-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Copper	2011-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Copper	2011-09	mg/L	< 0.0200	**0.0377**	**0.0248**	**0.0364**	**0.0225**	< 0.0200	**0.0301**								
Copper	2012-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Copper	2012-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Copper	2013-03	mg/L	< 0.02	**0.00274 J**	**0.0166 J**		< 0.0200	< 0.02 J	< 0.02 J								
Copper	2013-05	mg/L															
Copper	2013-09	mg/L	< 0.0200	< 0.0200 J	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	~~< 0.0200~~	< 0.0200	**0.00288 J**	**0.00876 J**	< 0.0200	**0.00337 J**		
Copper	2013-11	mg/L								~~< 0.0200 J~~	**0.00465 J**	**0.00342 J**	**0.0122 J**	**0.00385 J**	**0.00349 J**		
Copper	2014-03	mg/L	< 0.0200	**0.00376 J**	< 0.0200	**0.00248 J**	< 0.0200	< 0.0200	**0.00229 J**	**~~0.00264 J~~**	**0.00246 J**	< 0.0200	**0.00645 J**	**0.00315 J**	**0.00376 J**		
Copper	2014-06	mg/L								~~< 0.0200~~	< 0.0200	< 0.0200	**0.00958 J**	< 0.0200	< 0.0200		
Copper	2014-09	mg/L	< 0.002	**0.00191 J**	< 0.002	**0.00193 J**	**0.000867 J**	**0.000727 J**	< 0.002	~~< 0.002~~	**0.000903 J**	**0.000506 J**	**0.00612**	**0.000904 J**	**0.00111 J**		
Copper	2015-03	mg/L	< 0.00200	**0.00463**	< 0.00200 J	< 0.00200 J	< 0.002	**0.00387**	< 0.002	< 0.00200 J	< 0.00200 J	< 0.00200 J	**0.00736**	< 0.00200	< 0.00200 J		
Copper	2015-09	mg/L		**0.000512 J**		< 0.002	< 0.002	< 0.002	< 0.002								
Copper	2015-10	mg/L	< 0.002		< 0.002					< 0.002	< 0.002 J	< 0.002 J	**0.00597**	**0.000538 J**	**0.000489 J**		
Copper	2016-01	mg/L															
Copper	2016-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00956**	< 0.005	< 0.005		
Copper	2016-06	mg/L															
Copper	2016-08	mg/L	< 0.005	< 0.005	**0.00136 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00938**	< 0.005	< 0.005		
Copper	2017-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00733**	< 0.005	< 0.005		
Copper	2017-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.0101**	< 0.005	< 0.005		
Copper	2017-11	mg/L														< 0.005	< 0.005
Copper	2018-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00463 J**	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2018-06	mg/L														< 0.005	< 0.005
Copper	2018-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	**0.015**	< 0.005			
Copper	2018-09	mg/L													< 0.005	< 0.005	< 0.005
Copper	2018-11	mg/L														< 0.005	< 0.005
Copper	2019-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	**0.00502**	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2019-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00905**	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2020-03	mg/L	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00598**		< 0.005	**0.00475 J**	< 0.005
Copper	2020-04	mg/L			< 0.005									< 0.005			
Copper	2020-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			**0.0101**	< 0.005	< 0.005		< 0.005
Copper	2021-03	mg/L		**0.00199 J**			< 0.005			**0.00144 J**							
Copper	2021-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			**0.0107**	< 0.005	**0.00692**		< 0.005
Copper	2022-03	mg/L		< 0.02			< 0.005			< 0.005							
Copper	2022-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			**0.00826**	< 0.005	< 0.005		< 0.005
Copper	2023-01	mg/L															
Copper	2023-03	mg/L		**0.00222 J**			< 0.005			**~~0.00284 J~~**							
Copper	2023-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			**0.00876**	< 0.005	< 0.005		< 0.005
Copper	2024-03	mg/L		**0.00261 J**			< 0.005			< 0.005							
Copper	2024-08	mg/L	< 0.005	**0.00222 J**	**0.0028 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			**0.00731**	< 0.005	< 0.005		< 0.005
Copper	2025-03	mg/L		< 0.005			< 0.005			< 0.005							
Copper	2025-08	mg/L	**0.0144**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			**0.00546**	< 0.005	< 0.005		< 0.005
Cyanide	2008-08	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01								
Cyanide	2009-03	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01								
Cyanide	2010-09	mg/L	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100										
Cyanide	2015-09	mg/L		< 0.01		< 0.01	< 0.01	< 0.01	< 0.01								
Cyanide	2015-10	mg/L	< 0.01		< 0.01					< 0.01							

Table 14

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyanide	2016-03	mg/L			< 0.01	< 0.01												
Cyanide	2016-06	mg/L			< 0.01	**0.00416 J**												
Cyanide	2020-08	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cyanide	2023-01	mg/L															< 0.01	
Cyanide	2023-03	mg/L															< 0.01	
Cyanide	2025-08	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01
delta-BHC	2008-08	ug/L	< 0.053			< 0.054	< 0.062	< 0.052	< 0.061	< 0.047	< 0.053	< 0.053	< 0.056	< 0.056	< 0.058	< 0.053		< 0.053
delta-BHC	2008-09	ug/L		< 0.016	**0.018**												< 0.16	
delta-BHC	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
delta-BHC	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	
delta-BHC	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
delta-BHC	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
delta-BHC	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
delta-BHC	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
delta-BHC	2012-03	ug/L			< 0.0320													
delta-BHC	2012-09	ug/L			< 0.0320													
delta-BHC	2013-03	ug/L																
delta-BHC	2013-05	ug/L			< 0.0352													
delta-BHC	2013-09	ug/L			< 0.0327													
delta-BHC	2014-03	ug/L																
delta-BHC	2015-09	ug/L	< 0.036	< 0.0356			**0.00412 J**	< 0.0386			**0.00438 J**	**0.00372 J**	< 0.0333	< 0.036		< 0.0356	< 0.0376	
delta-BHC	2015-10	ug/L							**0.00356 J**	**0.00383 J**					< 0.0386			< 0.0368
delta-BHC	2016-03	ug/L			**0.0103 J**	**0.00264 J**												
delta-BHC	2016-06	ug/L			< 0.0364	**0.00283 J**												
delta-BHC	2016-08	ug/L			< 0.0372													
delta-BHC	2017-03	ug/L			< 0.168													
delta-BHC	2017-08	ug/L			< 0.0337													
delta-BHC	2018-03	ug/L			**0.00694 J**													
delta-BHC	2018-08	ug/L			< 0.00373													
delta-BHC	2019-03	ug/L			< 0.0327													
delta-BHC	2019-08	ug/L			< 0.034													
delta-BHC	2020-03	ug/L			< 0.0368													
delta-BHC	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	**0.00273 J**	< 0.0376	**0.00312 J**	< 0.0376	**0.0085 J**	**0.00525 J**	**0.00308 J**	< 0.0386	< 0.0376	< 0.0395	< 0.039	< 0.0381	< 0.04
delta-BHC	2021-08	ug/L			< 0.039													
delta-BHC	2022-08	ug/L			< 0.0667													
delta-BHC	2023-01	ug/L															< 0.0727	
delta-BHC	2023-03	ug/L															< 0.0667	
delta-BHC	2023-08	ug/L			< 0.0744													
delta-BHC	2024-08	ug/L			< 0.064													
delta-BHC	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954		< 0.0959
Diallate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Diallate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diallate	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Diallate	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Diallate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Diallate	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Diallate	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Diallate	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Diallate	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Diallate	2016-03	ug/L			< 11.1	< 11.2												
Diallate	2016-06	ug/L			< 11.4	< 11.4												
Diallate	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Diallate	2023-01	ug/L															< 10.9	
Diallate	2023-03	ug/L															< 10.4	
Diallate	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Dibenzo(a,h)anthracene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Cyanide	2016-03	mg/L					< 0.01			< 0.01							
Cyanide	2016-06	mg/L															
Cyanide	2020-08	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01							
Cyanide	2023-01	mg/L															
Cyanide	2023-03	mg/L					< 0.01			< 0.01							
Cyanide	2025-08	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01							
delta-BHC	2008-08	ug/L		< 0.047	< 0.051	< 0.055											
delta-BHC	2008-09	ug/L	< 0.016				< 0.016	< 0.016	< 0.016								
delta-BHC	2009-03	ug/L	< 0.032	< 0.07	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
delta-BHC	2009-07	ug/L					< 0.0320		< 0.0320								
delta-BHC	2009-09	ug/L					< 0.0320		< 0.0320								
delta-BHC	2010-03	ug/L					< 0.0320		< 0.0320								
delta-BHC	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
delta-BHC	2011-03	ug/L					< 0.0320										
delta-BHC	2012-03	ug/L					< 0.0320		< 0.0320								
delta-BHC	2012-09	ug/L															
delta-BHC	2013-03	ug/L					< 0.0333										
delta-BHC	2013-05	ug/L															
delta-BHC	2013-09	ug/L															
delta-BHC	2014-03	ug/L					**0.00415 J**										
delta-BHC	2015-09	ug/L		< 0.0352		< 0.0356	< 0.0368	< 0.0356	< 0.0352								
delta-BHC	2015-10	ug/L	< 0.0372		< 0.0356					< 0.0372							
delta-BHC	2016-03	ug/L					**0.0189 J**			< 0.0356							
delta-BHC	2016-06	ug/L															
delta-BHC	2016-08	ug/L					< 0.0356			< 0.0356							
delta-BHC	2017-03	ug/L					< 0.0337			< 0.0372							
delta-BHC	2017-08	ug/L					< 0.0356			< 0.0356							
delta-BHC	2018-03	ug/L					< 0.0444			< 0.0372							
delta-BHC	2018-08	ug/L					< 0.0451			< 0.0381							
delta-BHC	2019-03	ug/L					< 0.039			< 0.0395							
delta-BHC	2019-08	ug/L					< 0.0346			< 0.034							
delta-BHC	2020-03	ug/L					< 0.0427			< 0.0376							
delta-BHC	2020-08	ug/L	< 0.039	**0.0115 J**	< 0.0337	< 0.0386	< 0.0438	< 0.0368	< 0.0356	< 0.0352							
delta-BHC	2021-08	ug/L					< 0.04			< 0.0368							
delta-BHC	2022-08	ug/L					< 0.0667			< 0.0604							
delta-BHC	2023-01	ug/L															
delta-BHC	2023-03	ug/L					< 0.0696			< 0.064							
delta-BHC	2023-08	ug/L					< 0.0604			< 0.0711							
delta-BHC	2024-08	ug/L					< 0.064			< 0.0696							
delta-BHC	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
Diallate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Diallate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Diallate	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Diallate	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Diallate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Diallate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Diallate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Diallate	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Diallate	2015-10	ug/L	< 11.8		< 10.3					< 11							
Diallate	2016-03	ug/L					< 10.9			< 11.2							
Diallate	2016-06	ug/L															
Diallate	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Diallate	2023-01	ug/L															
Diallate	2023-03	ug/L					< 10			< 10							
Diallate	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Dibenzo(a,h)anthracene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibenzo(a,h)anthracene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dibenzo(a,h)anthracene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Dibenzo(a,h)anthracene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Dibenzo(a,h)anthracene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Dibenzo(a,h)anthracene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Dibenzo(a,h)anthracene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Dibenzo(a,h)anthracene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Dibenzo(a,h)anthracene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Dibenzo(a,h)anthracene	2016-03	ug/L			< 11.1	< 11.2												
Dibenzo(a,h)anthracene	2016-06	ug/L			< 11.4	< 11.4												
Dibenzo(a,h)anthracene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Dibenzo(a,h)anthracene	2023-01	ug/L															< 10.9	
Dibenzo(a,h)anthracene	2023-03	ug/L															< 10.4	
Dibenzo(a,h)anthracene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Dibenzofuran	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Dibenzofuran	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dibenzofuran	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Dibenzofuran	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Dibenzofuran	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Dibenzofuran	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Dibenzofuran	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Dibenzofuran	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Dibenzofuran	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Dibenzofuran	2016-03	ug/L			< 11.1	< 11.2												
Dibenzofuran	2016-06	ug/L			< 11.4	< 11.4												
Dibenzofuran	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Dibenzofuran	2023-01	ug/L															< 10.9	
Dibenzofuran	2023-03	ug/L															< 10.4	
Dibenzofuran	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Dibromomethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
Dibromomethane	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
Dibromomethane	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibromomethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibromomethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibromomethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibromomethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibromomethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibromomethane	2013-03	ug/L	< 1.00	< 1		< 1.00	< 1.00		< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1
Dibromomethane	2013-05	ug/L			< 1.00			< 1.00										
Dibromomethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibromomethane	2013-11	ug/L																
Dibromomethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibromomethane	2014-06	ug/L																
Dibromomethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2015-03	ug/L	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	< 1.00
Dibromomethane	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
Dibromomethane	2015-10	ug/L			< 1				< 1	< 1					< 1			< 1
Dibromomethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2016-06	ug/L			< 1	< 1												
Dibromomethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2017-11	ug/L																
Dibromomethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Table 14
Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Dibenzo(a,h)anthracene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Dibenzo(a,h)anthracene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Dibenzo(a,h)anthracene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Dibenzo(a,h)anthracene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Dibenzo(a,h)anthracene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Dibenzo(a,h)anthracene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Dibenzo(a,h)anthracene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Dibenzo(a,h)anthracene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Dibenzo(a,h)anthracene	2016-03	ug/L					< 10.9			< 11.2							
Dibenzo(a,h)anthracene	2016-06	ug/L															
Dibenzo(a,h)anthracene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Dibenzo(a,h)anthracene	2023-01	ug/L															
Dibenzo(a,h)anthracene	2023-03	ug/L					< 10			< 10							
Dibenzo(a,h)anthracene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Dibenzofuran	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Dibenzofuran	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Dibenzofuran	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Dibenzofuran	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Dibenzofuran	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Dibenzofuran	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Dibenzofuran	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Dibenzofuran	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Dibenzofuran	2015-10	ug/L	< 11.8		< 10.3					< 11							
Dibenzofuran	2016-03	ug/L					< 10.9			< 11.2							
Dibenzofuran	2016-06	ug/L															
Dibenzofuran	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Dibenzofuran	2023-01	ug/L															
Dibenzofuran	2023-03	ug/L					< 10			< 10							
Dibenzofuran	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Dibromomethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Dibromomethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Dibromomethane	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
Dibromomethane	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
Dibromomethane	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Dibromomethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Dibromomethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Dibromomethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Dibromomethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Dibromomethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Dibromomethane	2013-03	ug/L	< 1	< 1	< 25.0		< 1.00	< 1	< 1								
Dibromomethane	2013-05	ug/L															
Dibromomethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Dibromomethane	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Dibromomethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Dibromomethane	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Dibromomethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
Dibromomethane	2015-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Dibromomethane	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
Dibromomethane	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
Dibromomethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Dibromomethane	2016-06	ug/L															
Dibromomethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Dibromomethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Dibromomethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Dibromomethane	2017-11	ug/L														< 1	< 1
Dibromomethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2018-06	ug/L																
Dibromomethane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Dibromomethane	2018-09	ug/L					< 1						< 1	< 1				
Dibromomethane	2018-11	ug/L																
Dibromomethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2020-03	ug/L	< 1	< 1	< 1			< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2020-04	ug/L				< 1	< 1		< 1									
Dibromomethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2021-03	ug/L							< 1	< 1	< 1	< 1						
Dibromomethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2022-03	ug/L							< 1	< 1	< 1	< 1						
Dibromomethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2023-01	ug/L															< 1	
Dibromomethane	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
Dibromomethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2024-03	ug/L							< 1	< 1	< 1	< 1						
Dibromomethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2025-03	ug/L							< 1	< 1	< 1	< 1						
Dibromomethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	2008-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Dichlorodifluoromethane	2009-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Dichlorodifluoromethane	2009-07	ug/L	< 3	< 3.00		< 3		< 3	< 3	< 3	< 3	< 3	< 3.00	< 3.00	< 3	< 3	< 3	
Dichlorodifluoromethane	2009-09	ug/L	< 3	< 3.00		< 3.00		< 3.00	< 3.00	< 15.0	< 3.00	< 3	< 3	< 3	< 3	< 3	< 3	
Dichlorodifluoromethane	2010-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Dichlorodifluoromethane	2010-09	ug/L	< 3.00	< 3.00	< 3.00			< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		< 3.00	< 3.00	< 3.00	< 3.00	
Dichlorodifluoromethane	2011-03	ug/L	< 3.00	< 3.00	< 3.00			< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	
Dichlorodifluoromethane	2012-09	ug/L														< 3.00		
Dichlorodifluoromethane	2015-09	ug/L	< 3	< 3			< 3	< 3			< 3	< 3	< 3	< 3		< 3	< 3	
Dichlorodifluoromethane	2015-10	ug/L							< 3	< 3					< 3			< 3
Dichlorodifluoromethane	2016-03	ug/L			< 3	< 3												
Dichlorodifluoromethane	2016-06	ug/L			< 3	< 3												
Dichlorodifluoromethane	2020-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Dichlorodifluoromethane	2023-01	ug/L															< 3	
Dichlorodifluoromethane	2023-03	ug/L															< 3	
Dichlorodifluoromethane	2025-08	ug/L	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3		< 3
Dieldrin	2008-08	ug/L	< 0.053			< 0.054	< 0.062	< 0.052	< 0.061	< 0.047	< 0.053	< 0.053	< 0.056	**0.15**	< 0.058	< 0.053		< 0.053
Dieldrin	2008-09	ug/L		< 0.016	< 0.016												< 0.016	
Dieldrin	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Dieldrin	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	
Dieldrin	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
Dieldrin	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
Dieldrin	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
Dieldrin	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
Dieldrin	2011-09	ug/L												< 0.0320				
Dieldrin	2012-03	ug/L												< 0.0320				
Dieldrin	2012-09	ug/L												< 0.0320				
Dieldrin	2013-03	ug/L												< 0.036				
Dieldrin	2013-09	ug/L												< 0.0360				
Dieldrin	2014-03	ug/L												< 0.0348				
Dieldrin	2014-09	ug/L												< 0.0348				
Dieldrin	2015-03	ug/L												< 0.0348				
Dieldrin	2015-09	ug/L	< 0.036	< 0.0356			< 0.0352	< 0.0386			**0.00215 J**	< 0.0352	< 0.0333	< 0.036		< 0.0356	< 0.0376	
Dieldrin	2015-10	ug/L							< 0.04	< 0.0372					< 0.0386			< 0.0368
Dieldrin	2016-03	ug/L			< 0.032	< 0.0356								**0.00261 J**				
Dieldrin	2016-06	ug/L			< 0.0364	< 0.0364												

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Dibromomethane	2018-06	ug/L														< 1	< 1
Dibromomethane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
Dibromomethane	2018-09	ug/L													< 1	< 1	< 1
Dibromomethane	2018-11	ug/L														< 1	< 1
Dibromomethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2020-03	ug/L	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
Dibromomethane	2020-04	ug/L			< 1									< 1			
Dibromomethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Dibromomethane	2021-03	ug/L		< 1			< 1			< 1							
Dibromomethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Dibromomethane	2022-03	ug/L		< 1			< 1			< 1							
Dibromomethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Dibromomethane	2023-01	ug/L															
Dibromomethane	2023-03	ug/L		< 1			< 1			< 1							
Dibromomethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Dibromomethane	2024-03	ug/L		< 1			< 1			< 1							
Dibromomethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Dibromomethane	2025-03	ug/L		< 1			< 1			< 1							
Dibromomethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Dichlorodifluoromethane	2008-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3								
Dichlorodifluoromethane	2009-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3								
Dichlorodifluoromethane	2009-07	ug/L	< 3.00	< 3	< 3	< 3	< 3.00										
Dichlorodifluoromethane	2009-09	ug/L	< 3.00	< 15.0	< 3.00	< 3.00	< 3.00										
Dichlorodifluoromethane	2010-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00								
Dichlorodifluoromethane	2010-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00										
Dichlorodifluoromethane	2011-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00									
Dichlorodifluoromethane	2012-09	ug/L				< 3.00											
Dichlorodifluoromethane	2015-09	ug/L		< 3		< 3	< 3	< 3	< 3								
Dichlorodifluoromethane	2015-10	ug/L	< 3		< 3					< 3							
Dichlorodifluoromethane	2016-03	ug/L					< 3			< 3							
Dichlorodifluoromethane	2016-06	ug/L															
Dichlorodifluoromethane	2020-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3							
Dichlorodifluoromethane	2023-01	ug/L															
Dichlorodifluoromethane	2023-03	ug/L					< 3			< 3							
Dichlorodifluoromethane	2025-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3							
Dieldrin	2008-08	ug/L		< 0.047	< 0.051	< 0.055											
Dieldrin	2008-09	ug/L	< 0.016				< 0.016	< 0.016	< 0.016								
Dieldrin	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
Dieldrin	2009-07	ug/L					< 0.0320		< 0.0320								
Dieldrin	2009-09	ug/L					< 0.0320		< 0.0320								
Dieldrin	2010-03	ug/L					< 0.0320		< 0.0320								
Dieldrin	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
Dieldrin	2011-03	ug/L					< 0.0320										
Dieldrin	2011-09	ug/L					< 0.0320										
Dieldrin	2012-03	ug/L					< 0.0320		< 0.0320								
Dieldrin	2012-09	ug/L															
Dieldrin	2013-03	ug/L					< 0.0333										
Dieldrin	2013-09	ug/L															
Dieldrin	2014-03	ug/L					< 0.0348										
Dieldrin	2014-09	ug/L					< 0.032										
Dieldrin	2015-03	ug/L					< 0.036										
Dieldrin	2015-09	ug/L		**0.00337 J**		< 0.0356	< 0.0368	< 0.0356	< 0.0352								
Dieldrin	2015-10	ug/L	< 0.0372		< 0.0356					< 0.0372							
Dieldrin	2016-03	ug/L					< 0.0333			< 0.0356							
Dieldrin	2016-06	ug/L															

Table 14

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dieldrin	2016-08	ug/L												< 0.036				
Dieldrin	2017-03	ug/L												< 0.0333				
Dieldrin	2017-08	ug/L												**0.00366 J**				
Dieldrin	2018-03	ug/L												< 0.036				
Dieldrin	2018-08	ug/L																
Dieldrin	2018-09	ug/L												**0.00424 J**				
Dieldrin	2019-03	ug/L												**0.00365 J**				
Dieldrin	2019-08	ug/L												**0.00341 J**				
Dieldrin	2020-03	ug/L												**0.00309 J**				
Dieldrin	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.0416	< 0.0376	< 0.0368	< 0.0386	**0.00437 J**	< 0.0395	< 0.039	< 0.0381	< 0.04
Dieldrin	2021-08	ug/L												< 0.0386				
Dieldrin	2022-08	ug/L												< 0.064				
Dieldrin	2023-01	ug/L															< 0.0727	
Dieldrin	2023-03	ug/L															< 0.0667	
Dieldrin	2023-08	ug/L												< 0.0744				
Dieldrin	2024-08	ug/L												< 0.064				
Dieldrin	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954		< 0.0959
Diethylphthalate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Diethylphthalate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diethylphthalate	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Diethylphthalate	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Diethylphthalate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Diethylphthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Diethylphthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	**0.260**	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Diethylphthalate	2011-09	ug/L									< 10.0 J							
Diethylphthalate	2012-03	ug/L									< 10.0							
Diethylphthalate	2012-09	ug/L									< 10.0							
Diethylphthalate	2013-03	ug/L									< 10.6							
Diethylphthalate	2013-09	ug/L									< 10.6							
Diethylphthalate	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Diethylphthalate	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Diethylphthalate	2016-03	ug/L			< 11.1	**0.299 J**												
Diethylphthalate	2016-06	ug/L			< 11.4	**0.412 J**												
Diethylphthalate	2019-03	ug/L									< 11							
Diethylphthalate	2019-08	ug/L									< 10.6							
Diethylphthalate	2020-03	ug/L									< 10.8							
Diethylphthalate	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Diethylphthalate	2022-08	ug/L																
Diethylphthalate	2023-01	ug/L															< 10.9	
Diethylphthalate	2023-03	ug/L															< 10.4	
Diethylphthalate	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Dimethoate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Dimethoate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dimethoate	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Dimethoate	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Dimethoate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Dimethoate	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Dimethoate	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Dimethoate	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Dimethoate	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Dimethoate	2016-03	ug/L			< 11.1	< 11.2												
Dimethoate	2016-06	ug/L			< 11.4	< 11.4												
Dimethoate	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Dimethoate	2023-01	ug/L															< 10.9	
Dimethoate	2023-03	ug/L															< 10.4	
Dimethoate	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2

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Table 14
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Dieldrin	2016-08	ug/L					< 0.0356			< 0.0356							
Dieldrin	2017-03	ug/L					< 0.0337			< 0.0372							
Dieldrin	2017-08	ug/L					< 0.0356			< 0.0356							
Dieldrin	2018-03	ug/L					< 0.0444			< 0.0372							
Dieldrin	2018-08	ug/L					< 0.0451			< 0.0381							
Dieldrin	2018-09	ug/L															
Dieldrin	2019-03	ug/L					< 0.039			< 0.0395							
Dieldrin	2019-08	ug/L					< 0.0346			< 0.034							
Dieldrin	2020-03	ug/L					< 0.0427			< 0.0376							
Dieldrin	2020-08	ug/L	< 0.039	**0.00243 J**	< 0.0337	< 0.0386	< 0.0438	< 0.0368	< 0.0356	< 0.0352							
Dieldrin	2021-08	ug/L					< 0.04			< 0.0368							
Dieldrin	2022-08	ug/L					< 0.0667			< 0.0604							
Dieldrin	2023-01	ug/L															
Dieldrin	2023-03	ug/L					< 0.0696			< 0.064							
Dieldrin	2023-08	ug/L					< 0.0604			< 0.0711							
Dieldrin	2024-08	ug/L					< 0.064			< 0.0696							
Dieldrin	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
Diethylphthalate	2008-08	ug/L	< 10	**1.52 J**	< 10	< 10	< 10	< 11.1	< 10								
Diethylphthalate	2009-03	ug/L	< 10	**1.4 J**	< 10	< 10	< 10	< 10	< 10								
Diethylphthalate	2009-07	ug/L	< 10.0	**1.74 J**	< 10	< 10	< 10.0	< 11.4	< 10.0								
Diethylphthalate	2009-09	ug/L	< 10.0	**2.63 J**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Diethylphthalate	2010-03	ug/L	< 10.0	**0.403 J**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Diethylphthalate	2010-09	ug/L	< 10.0	**2.51 J**	< 10.0	< 10.0	< 10.0										
Diethylphthalate	2011-03	ug/L	< 10.0	**1.71 J**	< 10.0	< 10.0	< 10.0	< 10.0									
Diethylphthalate	2011-09	ug/L		< 10.0 J			< 10.0										
Diethylphthalate	2012-03	ug/L		**0.662 J**			< 10.0										
Diethylphthalate	2012-09	ug/L		**0.584 J**			< 10.0										
Diethylphthalate	2013-03	ug/L		< 10.5			< 11.8										
Diethylphthalate	2013-09	ug/L		< 10.1													
Diethylphthalate	2015-09	ug/L		**0.784 J**		< 11.2	< 11.6	< 11.2	< 11.2								
Diethylphthalate	2015-10	ug/L	< 11.8		< 10.3					< 11							
Diethylphthalate	2016-03	ug/L					< 10.9			< 11.2							
Diethylphthalate	2016-06	ug/L															
Diethylphthalate	2019-03	ug/L															
Diethylphthalate	2019-08	ug/L					< 10.8			< 10.9							
Diethylphthalate	2020-03	ug/L					< 13.7			< 12.5							
Diethylphthalate	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Diethylphthalate	2022-08	ug/L					< 10.4			< 10							
Diethylphthalate	2023-01	ug/L															
Diethylphthalate	2023-03	ug/L					< 10			< 10							
Diethylphthalate	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Dimethoate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Dimethoate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Dimethoate	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Dimethoate	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Dimethoate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Dimethoate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Dimethoate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Dimethoate	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Dimethoate	2015-10	ug/L	< 11.8		< 10.3					< 11							
Dimethoate	2016-03	ug/L					< 10.9			< 11.2							
Dimethoate	2016-06	ug/L															
Dimethoate	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Dimethoate	2023-01	ug/L															
Dimethoate	2023-03	ug/L					< 10			< 10							
Dimethoate	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							

Table 14

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Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dimethylphthalate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Dimethylphthalate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dimethylphthalate	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Dimethylphthalate	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Dimethylphthalate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Dimethylphthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Dimethylphthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Dimethylphthalate	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Dimethylphthalate	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Dimethylphthalate	2016-03	ug/L			< 11.1	< 11.2												
Dimethylphthalate	2016-06	ug/L			< 11.4	< 11.4												
Dimethylphthalate	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Dimethylphthalate	2023-01	ug/L															< 10.9	
Dimethylphthalate	2023-03	ug/L															< 10.4	
Dimethylphthalate	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	**10.1 J**	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Di-n-butylphthalate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	**1.33 J**	< 10	< 10	< 10	< 11.1	< 10
Di-n-butylphthalate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	**1.33 J**	< 10	**5.56 J**	< 10	< 10	**1.37 J**	< 10	< 10	< 10	< 10	< 10
Di-n-butylphthalate	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Di-n-butylphthalate	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Di-n-butylphthalate	2010-03	ug/L	**0.983 J**	**1.05 J**	**0.855 J**	**1.05 J**	**1.49 J**	**0.906 J**		**0.773 J**			**1.17 J**		**0.931 J**	**0.871 J**	**0.939 J**	**1.90 J**
Di-n-butylphthalate	2010-09	ug/L	< 0.844 U	< 0.630 U	< 10.0			< 10.0	< 10.0	< 10.0	< 0.738 U	< 0.824 U		< 1.01 U	< 0.670 U	< 0.700 U	< 0.808 U	
Di-n-butylphthalate	2011-03	ug/L	**0.819 J**	< 10.0	< 10.0			< 10.0		< 10.0	**0.732 J**	**0.559 J**	< 10.0		< 10.0	< 10.0	< 10.0	
Di-n-butylphthalate	2011-09	ug/L	< 10.0 J	< 10.0				< 10.0 J		**0.726 J**	**0.849 J**	**0.887 J**	< 10.0		< 10.0 J	< 10.0 J	**0.564 J**	
Di-n-butylphthalate	2012-03	ug/L	< 10.0 J	< 10.0 J	< 10.0 J	< 10.0 J	< 10.0 J	< 10.0 J		< 10.0 J	< 10.0 J	< 10.0 J	< 10.0 J		< 10.0 J	< 10.0 J	< 10.0 J	< 10.0 J
Di-n-butylphthalate	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 11.1	< 10.0
Di-n-butylphthalate	2013-03	ug/L	< 10.9	< 10.2 J		< 11.0 J	< 11.0 J			< 10.8	**4.84 J**	< 10.6	< 10.5 J		< 10.5 J	< 11.0	**0.673 J**	< 10.2 J
Di-n-butylphthalate	2013-05	ug/L			**0.594 J**			**1.07 J**										
Di-n-butylphthalate	2013-09	ug/L	< 11.0	< 10.2	< 10.2	< 10.3	< 10.4	< 10.2		< 10.4	< 10.6	< 10.2	< 10.3		< 11.4	< 11.2	< 12.8	< 10.2
Di-n-butylphthalate	2014-03	ug/L																
Di-n-butylphthalate	2014-09	ug/L																
Di-n-butylphthalate	2015-03	ug/L																
Di-n-butylphthalate	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Di-n-butylphthalate	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Di-n-butylphthalate	2016-03	ug/L			< 11.1	< 11.2												
Di-n-butylphthalate	2016-06	ug/L			< 11.4	< 11.4												
Di-n-butylphthalate	2016-08	ug/L																
Di-n-butylphthalate	2017-03	ug/L																
Di-n-butylphthalate	2017-08	ug/L																
Di-n-butylphthalate	2018-03	ug/L																
Di-n-butylphthalate	2018-08	ug/L																
Di-n-butylphthalate	2019-03	ug/L																
Di-n-butylphthalate	2019-08	ug/L																
Di-n-butylphthalate	2020-03	ug/L																
Di-n-butylphthalate	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Di-n-butylphthalate	2021-08	ug/L																
Di-n-butylphthalate	2022-08	ug/L																
Di-n-butylphthalate	2023-01	ug/L															< 10.9	
Di-n-butylphthalate	2023-03	ug/L															< 10.4	
Di-n-butylphthalate	2023-08	ug/L																
Di-n-butylphthalate	2024-08	ug/L																
Di-n-butylphthalate	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Di-n-octylphthalate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Di-n-octylphthalate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Di-n-octylphthalate	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Di-n-octylphthalate	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Di-n-octylphthalate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	**0.624 J**

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Dimethylphthalate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Dimethylphthalate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Dimethylphthalate	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Dimethylphthalate	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Dimethylphthalate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Dimethylphthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Dimethylphthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Dimethylphthalate	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Dimethylphthalate	2015-10	ug/L	< 11.8		< 10.3					< 11							
Dimethylphthalate	2016-03	ug/L					< 10.9			< 11.2							
Dimethylphthalate	2016-06	ug/L															
Dimethylphthalate	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Dimethylphthalate	2023-01	ug/L															
Dimethylphthalate	2023-03	ug/L					< 10			< 10							
Dimethylphthalate	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Di-n-butylphthalate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Di-n-butylphthalate	2009-03	ug/L	< 10	< 10	**8.17 J**	< 10	< 10	< 10	< 10								
Di-n-butylphthalate	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Di-n-butylphthalate	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Di-n-butylphthalate	2010-03	ug/L	**1.00 J**	**1.12 J**	**0.900 J**	**1.08 J**	**1.47 J**	**0.877 J**	**0.909 J**								
Di-n-butylphthalate	2010-09	ug/L	< 0.781 U	**0.802 J**	< 0.962 U	**0.918 J**	**0.600 J**										
Di-n-butylphthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	**1.01 J**									
Di-n-butylphthalate	2011-09	ug/L	< 10.0 J	**0.596 J**	< 10.0 J	< 10.0 J	< 10.0	**15.1**									
Di-n-butylphthalate	2012-03	ug/L	< 10.0 J	< 10.0 J	< 10.0 J	< 10.0 J	< 10.0 J	< 10.0 J	< 10.0 J								
Di-n-butylphthalate	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Di-n-butylphthalate	2013-03	ug/L	< 10.2	< 10.5	< 10.6 J		< 11.8 J	< 11.1 J	< 10 J								
Di-n-butylphthalate	2013-05	ug/L															
Di-n-butylphthalate	2013-09	ug/L	< 10.4	< 10.1	< 11.0	< 11.0	< 10.6	< 10.1	< 11.2								
Di-n-butylphthalate	2014-03	ug/L					< 11.2	< 10.4									
Di-n-butylphthalate	2014-09	ug/L					< 11	< 10.2									
Di-n-butylphthalate	2015-03	ug/L					< 11	< 10.5									
Di-n-butylphthalate	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Di-n-butylphthalate	2015-10	ug/L	< 11.8		< 10.3					< 11							
Di-n-butylphthalate	2016-03	ug/L					< 10.9	< 11.9		< 11.2							
Di-n-butylphthalate	2016-06	ug/L															
Di-n-butylphthalate	2016-08	ug/L					< 11.8	< 10		< 10.6							
Di-n-butylphthalate	2017-03	ug/L					< 10.5	< 10.5		< 10.9							
Di-n-butylphthalate	2017-08	ug/L					< 10.6	< 10.9		< 10.4							
Di-n-butylphthalate	2018-03	ug/L					< 12.5	< 11.1		< 12.3							
Di-n-butylphthalate	2018-08	ug/L					< 13.2	< 11		< 10.6							
Di-n-butylphthalate	2019-03	ug/L					< 13	< 11.1		< 11.1							
Di-n-butylphthalate	2019-08	ug/L					< 10.8	< 10.8		< 10.9							
Di-n-butylphthalate	2020-03	ug/L					< 13.7	< 11.1		< 12.5							
Di-n-butylphthalate	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Di-n-butylphthalate	2021-08	ug/L					< 12.5	< 11.8		< 10.8							
Di-n-butylphthalate	2022-08	ug/L					< 10.4	< 10.4		< 10							
Di-n-butylphthalate	2023-01	ug/L															
Di-n-butylphthalate	2023-03	ug/L					< 10			< 10							
Di-n-butylphthalate	2023-08	ug/L					< 9.62	< 10.6		< 11.4							
Di-n-butylphthalate	2024-08	ug/L					< 10	< 11.4		< 10.9							
Di-n-butylphthalate	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Di-n-octylphthalate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Di-n-octylphthalate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Di-n-octylphthalate	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Di-n-octylphthalate	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	**0.298 J**	< 10.0								
Di-n-octylphthalate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Di-n-octylphthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Di-n-octylphthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Di-n-octylphthalate	2011-09	ug/L																
Di-n-octylphthalate	2012-03	ug/L																< 10.0
Di-n-octylphthalate	2012-09	ug/L																< 10.0
Di-n-octylphthalate	2013-03	ug/L																< 20.4
Di-n-octylphthalate	2013-09	ug/L																< 20.4
Di-n-octylphthalate	2015-09	ug/L	< 22.7	< 22.2			**2.14 J**	< 23.3			< 21.7	< 22.2	< 21.7	< 22.5		< 22.7	< 21.1	
Di-n-octylphthalate	2015-10	ug/L							< 20.8	< 21.1					< 23.5			< 23.5
Di-n-octylphthalate	2016-03	ug/L			< 22.2 J	< 22.5 J												
Di-n-octylphthalate	2016-06	ug/L			< 22.7 J	< 22.7												
Di-n-octylphthalate	2020-08	ug/L	< 23.5	< 23.3	< 24.4	< 23.5	< 23.5	< 23.5	< 23	< 21.7	< 22.7	< 23.5	< 23.3	< 22.2	< 23.8	< 23.3	< 23.8	< 23.3
Di-n-octylphthalate	2023-01	ug/L															< 21.7	
Di-n-octylphthalate	2023-03	ug/L															< 20.8	
Di-n-octylphthalate	2025-08	ug/L	< 20.8	**9.79 J**	< 21.7	< 19.6	< 20		< 20	< 21.7	< 19.2	< 21.3	< 20.8	< 20.8	< 18.9	< 20.4		< 20.4
Dinoseb	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Dinoseb	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dinoseb	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Dinoseb	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Dinoseb	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Dinoseb	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Dinoseb	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Dinoseb	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Dinoseb	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Dinoseb	2016-03	ug/L			< 11.1	< 11.2												
Dinoseb	2016-06	ug/L			< 11.4	< 11.4												
Dinoseb	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Dinoseb	2023-01	ug/L															< 10.9	
Dinoseb	2023-03	ug/L															< 10.4	
Dinoseb	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Diphenylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Diphenylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diphenylamine	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Diphenylamine	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Diphenylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Diphenylamine	2010-09	ug/L	< 10.0 R	< 10.0 R	< 10.0 R			< 10.0 R	< 10.0 R	< 10.0 R	< 10.0 R	< 10.0 R		< 10.0 R	< 10.0 R	< 10.0 R	< 10.0 R	
Diphenylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Diphenylamine	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Diphenylamine	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Diphenylamine	2016-03	ug/L			< 11.1	< 11.2												
Diphenylamine	2016-06	ug/L			< 11.4	< 11.4												
Diphenylamine	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Diphenylamine	2023-01	ug/L															< 10.9	
Diphenylamine	2023-03	ug/L															< 10.4	
Diphenylamine	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Disulfoton	2008-08	ug/L	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 77.8	< 70	< 70	< 70	< 70	< 70	< 77.8	< 70
Disulfoton	2009-03	ug/L	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70
Disulfoton	2009-07	ug/L	< 70	< 70.0	< 70.0	< 70		< 70		< 70			< 70.0		< 70	< 70	< 70	< 70
Disulfoton	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Disulfoton	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Disulfoton	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Disulfoton	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Disulfoton	2012-03	ug/L																
Disulfoton	2012-09	ug/L																
Disulfoton	2013-03	ug/L																
Disulfoton	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Di-n-octylphthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Di-n-octylphthalate	2011-03	ug/L	**0.478 J**	< 10.0	< 10.0	< 10.0	< 10.0	**0.413 J**									
Di-n-octylphthalate	2011-09	ug/L	< 10.0				< 10.0	< 10.0									
Di-n-octylphthalate	2012-03	ug/L	< 10.0				< 10.0	< 10.0									
Di-n-octylphthalate	2012-09	ug/L	< 10.0				< 10.0	< 10.0									
Di-n-octylphthalate	2013-03	ug/L	< 20.4				**1.42 J**	< 22.2									
Di-n-octylphthalate	2013-09	ug/L	< 20.8				< 21.3	< 20.2									
Di-n-octylphthalate	2015-09	ug/L		< 22		< 22.5	< 23.3	< 22.5	< 22.5								
Di-n-octylphthalate	2015-10	ug/L	< 23.5		< 20.6					< 22							
Di-n-octylphthalate	2016-03	ug/L					< 21.7 J			< 22.5							
Di-n-octylphthalate	2016-06	ug/L															
Di-n-octylphthalate	2020-08	ug/L	< 23.8	< 23.5	< 21.1	< 22	< 27	< 23.5	< 22.2	< 22.2							
Di-n-octylphthalate	2023-01	ug/L															
Di-n-octylphthalate	2023-03	ug/L					< 20			< 20							
Di-n-octylphthalate	2025-08	ug/L	< 21.7	< 20	< 19.6	< 20.8	**8.5 J**	< 20.8	< 20.8	< 19.6							
Dinoseb	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Dinoseb	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Dinoseb	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Dinoseb	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Dinoseb	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Dinoseb	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Dinoseb	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Dinoseb	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Dinoseb	2015-10	ug/L	< 11.8		< 10.3					< 11							
Dinoseb	2016-03	ug/L					< 10.9			< 11.2							
Dinoseb	2016-06	ug/L															
Dinoseb	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Dinoseb	2023-01	ug/L															
Dinoseb	2023-03	ug/L					< 10			< 10							
Dinoseb	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Diphenylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Diphenylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Diphenylamine	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Diphenylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Diphenylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Diphenylamine	2010-09	ug/L	< 10.0 R	< 10.0 R	< 10.0 R	< 10.0 R	< 10.0 R										
Diphenylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Diphenylamine	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Diphenylamine	2015-10	ug/L	< 11.8		< 10.3					< 11							
Diphenylamine	2016-03	ug/L					< 10.9			< 11.2							
Diphenylamine	2016-06	ug/L															
Diphenylamine	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Diphenylamine	2023-01	ug/L															
Diphenylamine	2023-03	ug/L					< 10			< 10							
Diphenylamine	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Disulfoton	2008-08	ug/L	< 70	< 70	< 70	< 70	< 70	< 77.8	< 70								
Disulfoton	2009-03	ug/L	< 70	< 70	< 70	< 70	< 70	< 70	< 70								
Disulfoton	2009-07	ug/L	< 70.0	< 70	< 70	< 70	< 70.0	< 79.5	< 70.0								
Disulfoton	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Disulfoton	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Disulfoton	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Disulfoton	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Disulfoton	2012-03	ug/L					< 10.0										
Disulfoton	2012-09	ug/L					< 10.0										
Disulfoton	2013-03	ug/L					< 11.8										
Disulfoton	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Disulfoton	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Disulfoton	2016-03	ug/L			< 11.1	< 11.2												
Disulfoton	2016-06	ug/L			< 11.4	< 11.4												
Disulfoton	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Disulfoton	2023-01	ug/L															< 10.9	
Disulfoton	2023-03	ug/L															< 10.4	
Disulfoton	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Endosulfan I	2008-08	ug/L	< 0.053			< 0.054	< 0.062	< 0.052	< 0.061	< 0.047	< 0.053	< 0.053	< 0.056	< 0.056	< 0.058	< 0.053		< 0.053
Endosulfan I	2008-09	ug/L		< 0.016	< 0.016												< 0.016	
Endosulfan I	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Endosulfan I	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	
Endosulfan I	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
Endosulfan I	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
Endosulfan I	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
Endosulfan I	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
Endosulfan I	2015-09	ug/L	< 0.036	< 0.0356			< 0.0352	**0.00303 J**			**0.00359 J**	< 0.0352	< 0.0333	< 0.036		< 0.0356	< 0.0376	
Endosulfan I	2015-10	ug/L							< 0.04	< 0.0372					< 0.0386			< 0.0368
Endosulfan I	2016-03	ug/L			< 0.032	< 0.0356												
Endosulfan I	2016-06	ug/L			< 0.0364	< 0.0364												
Endosulfan I	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.0416	**0.00315 J**	< 0.0368	< 0.0386	< 0.0376	< 0.0395	< 0.039	< 0.0381	< 0.04
Endosulfan I	2023-01	ug/L															< 0.0727	
Endosulfan I	2023-03	ug/L															< 0.0667	
Endosulfan I	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954		< 0.0959
Endosulfan II	2008-08	ug/L	< 0.053			< 0.054	< 0.062	< 0.052	< 0.061	< 0.047	< 0.053	< 0.053	< 0.056	< 0.056	< 0.058	< 0.053		< 0.053
Endosulfan II	2008-09	ug/L		< 0.016	< 0.016												< 0.016	
Endosulfan II	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Endosulfan II	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	
Endosulfan II	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
Endosulfan II	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
Endosulfan II	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
Endosulfan II	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
Endosulfan II	2015-09	ug/L	< 0.036	< 0.0356			< 0.0352	< 0.0386			< 0.0337	< 0.0352	< 0.0333	< 0.036		< 0.0356	< 0.0376	
Endosulfan II	2015-10	ug/L							< 0.04	< 0.0372					< 0.0386			< 0.0368
Endosulfan II	2016-03	ug/L			< 0.032	< 0.0356												
Endosulfan II	2016-06	ug/L			< 0.0364	< 0.0364												
Endosulfan II	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.0416	< 0.0376	< 0.0368	< 0.0386	< 0.0376	< 0.0395	< 0.039	< 0.0381	< 0.04
Endosulfan II	2023-01	ug/L															< 0.0727	
Endosulfan II	2023-03	ug/L															< 0.0667	
Endosulfan II	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954		< 0.0959
Endosulfan Sulfate	2008-08	ug/L	< 0.053			< 0.054	< 0.062	< 0.052	< 0.061	< 0.047	< 0.053	< 0.053	< 0.056	< 0.056	< 0.058	< 0.053		< 0.053
Endosulfan Sulfate	2008-09	ug/L		< 0.016	< 0.016												< 0.016	
Endosulfan Sulfate	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Endosulfan Sulfate	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	
Endosulfan Sulfate	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
Endosulfan Sulfate	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
Endosulfan Sulfate	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
Endosulfan Sulfate	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
Endosulfan Sulfate	2015-09	ug/L	< 0.036	< 0.0356			< 0.0352	< 0.0386			< 0.0337	< 0.0352	< 0.0333	**0.00306 J**		< 0.0356	< 0.0376	
Endosulfan Sulfate	2015-10	ug/L							< 0.04	< 0.0372					< 0.0386			< 0.0368
Endosulfan Sulfate	2016-03	ug/L			< 0.032	< 0.0356												
Endosulfan Sulfate	2016-06	ug/L			< 0.0364	< 0.0364												
Endosulfan Sulfate	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.0416	< 0.0376	< 0.0368	< 0.0386	< 0.0376	< 0.0395	< 0.039	< 0.0381	< 0.04
Endosulfan Sulfate	2023-01	ug/L															< 0.0727	
Endosulfan Sulfate	2023-03	ug/L															< 0.0667	
Endosulfan Sulfate	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954		< 0.0959
Endrin	2008-08	ug/L	< 0.053			< 0.054	< 0.062	< 0.052	< 0.061	< 0.047	< 0.053	< 0.053	< 0.056	< 0.056	< 0.058	< 0.053		< 0.053

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Disulfoton	2015-10	ug/L	< 11.8		< 10.3					< 11							
Disulfoton	2016-03	ug/L					< 10.9			< 11.2							
Disulfoton	2016-06	ug/L															
Disulfoton	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Disulfoton	2023-01	ug/L															
Disulfoton	2023-03	ug/L					< 10			< 10							
Disulfoton	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Endosulfan I	2008-08	ug/L		< 0.047	< 0.051	< 0.055											
Endosulfan I	2008-09	ug/L	< 0.016				< 0.016	< 0.016	< 0.016								
Endosulfan I	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
Endosulfan I	2009-07	ug/L					< 0.0320		< 0.0320								
Endosulfan I	2009-09	ug/L					< 0.0320		< 0.0320								
Endosulfan I	2010-03	ug/L					< 0.0320		< 0.0320								
Endosulfan I	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
Endosulfan I	2011-03	ug/L					< 0.0320										
Endosulfan I	2015-09	ug/L		**0.0029 J**		< 0.0356	< 0.0368	< 0.0356	< 0.0352								
Endosulfan I	2015-10	ug/L	< 0.0372		**0.0127 J**					< 0.0372							
Endosulfan I	2016-03	ug/L					< 0.0333			< 0.0356							
Endosulfan I	2016-06	ug/L															
Endosulfan I	2020-08	ug/L	< 0.039	< 0.0376	< 0.0337	< 0.0386	< 0.0438	< 0.0368	< 0.0356	**0.00517 J**							
Endosulfan I	2023-01	ug/L															
Endosulfan I	2023-03	ug/L					< 0.0696			< 0.064							
Endosulfan I	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
Endosulfan II	2008-08	ug/L		< 0.047	< 0.051	< 0.055											
Endosulfan II	2008-09	ug/L	< 0.016				< 0.016	< 0.016	< 0.016								
Endosulfan II	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
Endosulfan II	2009-07	ug/L					< 0.0320		< 0.0320								
Endosulfan II	2009-09	ug/L					< 0.0320		< 0.0320								
Endosulfan II	2010-03	ug/L					< 0.0320		< 0.0320								
Endosulfan II	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
Endosulfan II	2011-03	ug/L					< 0.0320										
Endosulfan II	2015-09	ug/L		< 0.0352		< 0.0356	< 0.0368	< 0.0356	< 0.0352								
Endosulfan II	2015-10	ug/L	< 0.0372		< 0.0356					< 0.0372							
Endosulfan II	2016-03	ug/L					< 0.0333			< 0.0356							
Endosulfan II	2016-06	ug/L															
Endosulfan II	2020-08	ug/L	< 0.039	< 0.0376	< 0.0337	< 0.0386	< 0.0438	< 0.0368	< 0.0356	< 0.0352							
Endosulfan II	2023-01	ug/L															
Endosulfan II	2023-03	ug/L					< 0.0696			< 0.064							
Endosulfan II	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
Endosulfan Sulfate	2008-08	ug/L		< 0.047	< 0.051	< 0.055											
Endosulfan Sulfate	2008-09	ug/L	< 0.016				< 0.016	< 0.016	< 0.016								
Endosulfan Sulfate	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
Endosulfan Sulfate	2009-07	ug/L					< 0.0320		< 0.0320								
Endosulfan Sulfate	2009-09	ug/L					< 0.0320		< 0.0320								
Endosulfan Sulfate	2010-03	ug/L					< 0.0320		< 0.0320								
Endosulfan Sulfate	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
Endosulfan Sulfate	2011-03	ug/L					< 0.0320										
Endosulfan Sulfate	2015-09	ug/L		< 0.0352		< 0.0356	< 0.0368	< 0.0356	< 0.0352								
Endosulfan Sulfate	2015-10	ug/L	< 0.0372		< 0.0356					< 0.0372							
Endosulfan Sulfate	2016-03	ug/L					< 0.0333			< 0.0356							
Endosulfan Sulfate	2016-06	ug/L															
Endosulfan Sulfate	2020-08	ug/L	< 0.039	< 0.0376	< 0.0337	< 0.0386	< 0.0438	< 0.0368	< 0.0356	< 0.0352							
Endosulfan Sulfate	2023-01	ug/L															
Endosulfan Sulfate	2023-03	ug/L					< 0.0696			< 0.064							
Endosulfan Sulfate	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
Endrin	2008-08	ug/L		< 0.047	< 0.051	< 0.055											

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Endrin	2008-09	ug/L		< 0.016	< 0.016												< 0.016	
Endrin	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Endrin	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	
Endrin	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
Endrin	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
Endrin	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
Endrin	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
Endrin	2015-09	ug/L	< 0.036	< 0.0356			**0.00343 J**	< 0.0386			**0.00844 J**	< 0.0352	< 0.0333	< 0.036		< 0.0356	< 0.0376	
Endrin	2015-10	ug/L							< 0.04	< 0.0372					< 0.0386			< 0.0368
Endrin	2016-03	ug/L			< 0.032	< 0.0356 J												
Endrin	2016-06	ug/L			< 0.0364	**0.00243 J**												
Endrin	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	< 0.0376	**0.00239 J**	< 0.0376	**0.00736 J**	**0.00556 J**	**0.00455 J**	**0.00448 J**	< 0.0386	**0.00665 J**	< 0.0395	< 0.039	< 0.0381	< 0.04
Endrin	2023-01	ug/L															< 0.0727	
Endrin	2023-03	ug/L															< 0.0667	
Endrin	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954		< 0.0959
Endrin Aldehyde	2008-08	ug/L	< 0.053			< 0.054	< 0.062	< 0.052	< 0.061	< 0.047	< 0.053	< 0.053	< 0.056	< 0.056	< 0.058	< 0.053		< 0.053
Endrin Aldehyde	2008-09	ug/L		< 0.016	< 0.016												< 0.016	
Endrin Aldehyde	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Endrin Aldehyde	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	
Endrin Aldehyde	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
Endrin Aldehyde	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
Endrin Aldehyde	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
Endrin Aldehyde	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
Endrin Aldehyde	2015-09	ug/L	< 0.036	< 0.0356			< 0.0352	< 0.0386			< 0.0337	< 0.0352	< 0.0333	< 0.036		< 0.0356	< 0.0376	
Endrin Aldehyde	2015-10	ug/L							< 0.04	< 0.0372					< 0.0386			< 0.0368
Endrin Aldehyde	2016-03	ug/L			**0.00921 J**	< 0.0356												
Endrin Aldehyde	2016-06	ug/L			< 0.0364	< 0.0364												
Endrin Aldehyde	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.0416	< 0.0376	< 0.0368	< 0.0386	< 0.0376	< 0.0395	< 0.039	< 0.0381	< 0.04
Endrin Aldehyde	2023-01	ug/L															< 0.0727	
Endrin Aldehyde	2023-03	ug/L															< 0.0667	
Endrin Aldehyde	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954		< 0.0959
Ethyl Methacrylate	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethyl Methacrylate	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethyl Methacrylate	2009-07	ug/L	< 2	< 2.00		< 2		< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2	< 2	< 2	
Ethyl Methacrylate	2009-09	ug/L	< 2	< 2.00		< 2.00		< 2.00	< 2.00	< 10.0	< 2.00	< 2	< 2	< 2	< 2	< 2	< 2	
Ethyl Methacrylate	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Ethyl Methacrylate	2010-09	ug/L	< 20.0	< 20.0	< 20.0			< 20.0	< 20.0	< 20.0	< 20.0	< 20.0		< 20.0	< 20.0	< 20.0	< 20.0	
Ethyl Methacrylate	2011-03	ug/L	< 2.00	< 2.00	< 2.00			< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	
Ethyl Methacrylate	2012-09	ug/L														< 2.00		
Ethyl Methacrylate	2015-09	ug/L	< 2	< 2			< 2	< 2			< 2	< 2	< 2	< 2		< 2	< 2	
Ethyl Methacrylate	2015-10	ug/L							< 2	< 2					< 2			< 2
Ethyl Methacrylate	2016-03	ug/L			< 2	< 2												
Ethyl Methacrylate	2016-06	ug/L			< 2	< 2												
Ethyl Methacrylate	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethyl Methacrylate	2023-01	ug/L															< 2	
Ethyl Methacrylate	2023-03	ug/L															< 2	
Ethyl Methacrylate	2025-08	ug/L	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		< 2
Ethyl Methanesulfonate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Ethyl Methanesulfonate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethyl Methanesulfonate	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Ethyl Methanesulfonate	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Ethyl Methanesulfonate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Ethyl Methanesulfonate	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Ethyl Methanesulfonate	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Ethyl Methanesulfonate	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Ethyl Methanesulfonate	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Endrin	2008-09	ug/L	< 0.016				< 0.016	< 0.016	< 0.016								
Endrin	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
Endrin	2009-07	ug/L					< 0.0320		< 0.0320								
Endrin	2009-09	ug/L					< 0.0320		< 0.0320								
Endrin	2010-03	ug/L					< 0.0320		< 0.0320								
Endrin	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
Endrin	2011-03	ug/L					< 0.0320										
Endrin	2015-09	ug/L		< 0.0352		< 0.0356	< 0.0368	< 0.0356	< 0.0352								
Endrin	2015-10	ug/L	< 0.0372		< 0.0356					< 0.0372							
Endrin	2016-03	ug/L					< 0.0333			< 0.0356							
Endrin	2016-06	ug/L															
Endrin	2020-08	ug/L	< 0.039	**0.00388 J**	**0.0132 J**	< 0.0386	< 0.0438	< 0.0368	< 0.0356	< 0.0352							
Endrin	2023-01	ug/L															
Endrin	2023-03	ug/L					< 0.0696			< 0.064							
Endrin	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
Endrin Aldehyde	2008-08	ug/L		< 0.047	< 0.051	< 0.055											
Endrin Aldehyde	2008-09	ug/L	< 0.016				< 0.016	< 0.016	< 0.016								
Endrin Aldehyde	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
Endrin Aldehyde	2009-07	ug/L					< 0.0320		< 0.0320								
Endrin Aldehyde	2009-09	ug/L					< 0.0320		< 0.0320								
Endrin Aldehyde	2010-03	ug/L					< 0.0320		< 0.0320								
Endrin Aldehyde	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
Endrin Aldehyde	2011-03	ug/L					< 0.0320										
Endrin Aldehyde	2015-09	ug/L		< 0.0352		< 0.0356	< 0.0368	< 0.0356	< 0.0352								
Endrin Aldehyde	2015-10	ug/L	< 0.0372		< 0.0356					< 0.0372							
Endrin Aldehyde	2016-03	ug/L					< 0.0333			< 0.0356 J							
Endrin Aldehyde	2016-06	ug/L															
Endrin Aldehyde	2020-08	ug/L	< 0.039	< 0.0376	< 0.0337	< 0.0386	< 0.0438	< 0.0368	< 0.0356	< 0.0352							
Endrin Aldehyde	2023-01	ug/L															
Endrin Aldehyde	2023-03	ug/L					< 0.0696			< 0.064							
Endrin Aldehyde	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
Ethyl Methacrylate	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2								
Ethyl Methacrylate	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2								
Ethyl Methacrylate	2009-07	ug/L	< 2.00	< 2	< 2	< 2	< 2.00										
Ethyl Methacrylate	2009-09	ug/L	< 2.00	< 10.0	< 2.00	< 2.00	< 2.00										
Ethyl Methacrylate	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								
Ethyl Methacrylate	2010-09	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0										
Ethyl Methacrylate	2011-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00									
Ethyl Methacrylate	2012-09	ug/L				< 2.00											
Ethyl Methacrylate	2015-09	ug/L		< 2		< 2	< 2	< 2	< 2								
Ethyl Methacrylate	2015-10	ug/L	< 2		< 2					< 2							
Ethyl Methacrylate	2016-03	ug/L					< 2			< 2							
Ethyl Methacrylate	2016-06	ug/L															
Ethyl Methacrylate	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2							
Ethyl Methacrylate	2023-01	ug/L															
Ethyl Methacrylate	2023-03	ug/L					< 2			< 2							
Ethyl Methacrylate	2025-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2							
Ethyl Methanesulfonate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Ethyl Methanesulfonate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Ethyl Methanesulfonate	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Ethyl Methanesulfonate	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Ethyl Methanesulfonate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Ethyl Methanesulfonate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Ethyl Methanesulfonate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Ethyl Methanesulfonate	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Ethyl Methanesulfonate	2015-10	ug/L	< 11.8		< 10.3					< 11							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethyl Methanesulfonate	2016-03	ug/L			< 11.1	< 11.2												
Ethyl Methanesulfonate	2016-06	ug/L			< 11.4	< 11.4												
Ethyl Methanesulfonate	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Ethyl Methanesulfonate	2023-01	ug/L															< 10.9	
Ethyl Methanesulfonate	2023-03	ug/L															< 10.4	
Ethyl Methanesulfonate	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Ethylbenzene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**1.6**	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**4.33**	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	**2.85**	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
Ethylbenzene	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
Ethylbenzene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Ethylbenzene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**1.89**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Ethylbenzene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	< 1.00	**1.53**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Ethylbenzene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**2.15**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Ethylbenzene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Ethylbenzene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**1.61**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Ethylbenzene	2013-03	ug/L	< 1.00	< 1		< 1.00	< 1.00		< 1	< 1	**0.792 J**	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1
Ethylbenzene	2013-05	ug/L			< 1.00			< 1.00										
Ethylbenzene	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**1.07**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Ethylbenzene	2013-11	ug/L																
Ethylbenzene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**0.480 J**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Ethylbenzene	2014-06	ug/L																
Ethylbenzene	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.399 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2015-03	ug/L	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**0.336 J**	< 1	< 1.00	< 1.00	< 1	< 1	< 1	< 1.00
Ethylbenzene	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
Ethylbenzene	2015-10	ug/L			< 1				< 1	< 1					< 1			< 1
Ethylbenzene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2016-06	ug/L			< 1	< 1												
Ethylbenzene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.42 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2017-03	ug/L	< 1	< 1	**0.24 J**	< 1	< 1	< 1	< 1	< 1	**0.526 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2017-08	ug/L	< 1	**0.214 J**	**0.266 J**	< 1	< 1	< 1	< 1	< 1	**0.306 J**	< 1	< 1	< 1	< 1	< 1	**0.408 J**	< 1
Ethylbenzene	2017-11	ug/L																
Ethylbenzene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2018-06	ug/L																
Ethylbenzene	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Ethylbenzene	2018-09	ug/L					< 1						< 1	< 1				
Ethylbenzene	2018-11	ug/L																
Ethylbenzene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**1.68**	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2020-03	ug/L	< 1	< 1	< 1			< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2020-04	ug/L				< 1	< 1		< 1									
Ethylbenzene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2021-03	ug/L							< 1	< 1	< 1	< 1						
Ethylbenzene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2022-03	ug/L							< 1	< 1	< 1	< 1						
Ethylbenzene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2023-01	ug/L															< 1	
Ethylbenzene	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
Ethylbenzene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2024-03	ug/L							< 1	< 1	< 1	< 1						
Ethylbenzene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2025-03	ug/L							< 1	< 1	< 1	< 1						
Ethylbenzene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Famphur	2008-08	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 22.2	< 20	< 20	< 20	< 20	< 20	< 22.2	< 20
Famphur	2009-03	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Famphur	2009-07	ug/L	< 20	< 20.0	< 20.0	< 20		< 20		< 20			< 20.0		< 20	< 20	< 20	< 20

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Ethyl Methanesulfonate	2016-03	ug/L					< 10.9			< 11.2							
Ethyl Methanesulfonate	2016-06	ug/L															
Ethyl Methanesulfonate	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Ethyl Methanesulfonate	2023-01	ug/L															
Ethyl Methanesulfonate	2023-03	ug/L					< 10			< 10							
Ethyl Methanesulfonate	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Ethylbenzene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Ethylbenzene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Ethylbenzene	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
Ethylbenzene	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
Ethylbenzene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Ethylbenzene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Ethylbenzene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Ethylbenzene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Ethylbenzene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Ethylbenzene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Ethylbenzene	2013-03	ug/L	< 1	< 1	< 25.0		< 1.00	< 1	< 1								
Ethylbenzene	2013-05	ug/L															
Ethylbenzene	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Ethylbenzene	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Ethylbenzene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	**0.221 J**	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Ethylbenzene	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Ethylbenzene	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
Ethylbenzene	2015-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Ethylbenzene	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
Ethylbenzene	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
Ethylbenzene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Ethylbenzene	2016-06	ug/L															
Ethylbenzene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Ethylbenzene	2017-03	ug/L	< 1	< 1	< 1	< 1	**0.348 J**	< 1	**0.261 J**	< 1	< 1	< 1	< 1	< 1	< 1		
Ethylbenzene	2017-08	ug/L	< 1	< 1	< 1	< 1	**0.466 J**	**0.216 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Ethylbenzene	2017-11	ug/L														< 1	< 1
Ethylbenzene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2018-06	ug/L														< 1	< 1
Ethylbenzene	2018-08	ug/L	< 1	< 1	< 1	< 1	**1.41**	< 1	< 1	< 1		< 1	< 1	< 1			
Ethylbenzene	2018-09	ug/L													< 1	< 1	< 1
Ethylbenzene	2018-11	ug/L					< 1									< 1	< 1
Ethylbenzene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2020-03	ug/L	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
Ethylbenzene	2020-04	ug/L			< 1									< 1			
Ethylbenzene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Ethylbenzene	2021-03	ug/L		< 1			< 1			< 1							
Ethylbenzene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Ethylbenzene	2022-03	ug/L		< 1			< 1			< 1							
Ethylbenzene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Ethylbenzene	2023-01	ug/L															
Ethylbenzene	2023-03	ug/L		< 1			< 1			< 1							
Ethylbenzene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Ethylbenzene	2024-03	ug/L		< 1			< 1			< 1							
Ethylbenzene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Ethylbenzene	2025-03	ug/L		< 1			< 1			< 1							
Ethylbenzene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Famphur	2008-08	ug/L	< 20	< 20	< 20	< 20	< 20	< 22.2	< 20								
Famphur	2009-03	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20								
Famphur	2009-07	ug/L	< 20.0	< 20	< 20	< 20	< 20.0	< 22.7	< 20.0								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Famphur	2009-09	ug/L	< 20	< 20.0	< 20.0	< 20.0		< 20.0		< 20.0			< 20		< 20	< 22.5	< 20	< 20
Famphur	2010-03	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0		< 20.0			< 20.0		< 20.0	< 20.0	< 20.0	< 22.5
Famphur	2010-09	ug/L	< 20.0	< 20.0	< 20.0			< 20.0	< 20.0	< 20.0	< 20.0	< 20.0		< 20.0	< 20.0	< 20.0	< 20.0	
Famphur	2011-03	ug/L	< 20.0	< 20.0	< 20.0			< 20.0		< 20.0	< 20.0	< 20.0	< 20.0		< 20.0	< 20.0	< 20.0	
Famphur	2015-09	ug/L	< 22.7	< 22.2			< 22.2	< 23.3			< 21.7	< 22.2	< 21.7	< 22.5		< 22.7	< 21.1	
Famphur	2015-10	ug/L							< 20.8	< 21.1					< 23.5			< 23.5
Famphur	2016-03	ug/L			< 22.2	< 22.5												
Famphur	2016-06	ug/L			< 22.7	< 22.7												
Famphur	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Famphur	2023-01	ug/L															< 10.9	
Famphur	2023-03	ug/L															< 10.4	
Famphur	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Fluoranthene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Fluoranthene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Fluoranthene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Fluoranthene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Fluoranthene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Fluoranthene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Fluoranthene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Fluoranthene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Fluoranthene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Fluoranthene	2016-03	ug/L			< 11.1	< 11.2												
Fluoranthene	2016-06	ug/L			< 11.4	< 11.4												
Fluoranthene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Fluoranthene	2023-01	ug/L															< 10.9	
Fluoranthene	2023-03	ug/L															< 10.4	
Fluoranthene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Fluorene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Fluorene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Fluorene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Fluorene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	**0.751 J**	**0.259 J**
Fluorene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Fluorene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Fluorene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Fluorene	2011-09	ug/L															< 10.0	
Fluorene	2012-03	ug/L															< 10.0	< 10.0
Fluorene	2012-09	ug/L															< 11.1	< 10.0
Fluorene	2013-03	ug/L															< 10.6	< 10.2
Fluorene	2013-09	ug/L															< 12.8	< 10.2
Fluorene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Fluorene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Fluorene	2016-03	ug/L			< 11.1	< 11.2												
Fluorene	2016-06	ug/L			< 11.4	< 11.4												
Fluorene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Fluorene	2023-01	ug/L															< 10.9	
Fluorene	2023-03	ug/L															< 10.4	
Fluorene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Fluorotrichloromethane	2008-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2009-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2009-07	ug/L	< 4	< 4.00		< 4		< 4	< 4	< 4	< 4	< 4	< 4.00	< 4.00	< 4	< 4	< 4	
Fluorotrichloromethane	2009-09	ug/L	< 4	< 4.00		< 4.00		< 4.00	< 4.00	< 20.0	< 4.00	< 4	< 4	< 4	< 4	< 4	< 4	
Fluorotrichloromethane	2010-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Fluorotrichloromethane	2010-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Fluorotrichloromethane	2011-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 40.0	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Fluorotrichloromethane	2011-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Fluorotrichloromethane	2012-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Famphur	2009-09	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0								
Famphur	2010-03	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0								
Famphur	2010-09	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0										
Famphur	2011-03	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0									
Famphur	2015-09	ug/L		< 22		< 22.5	< 23.3	< 22.5	< 22.5								
Famphur	2015-10	ug/L	< 23.5		< 20.6					< 22							
Famphur	2016-03	ug/L					< 21.7			< 22.5							
Famphur	2016-06	ug/L															
Famphur	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Famphur	2023-01	ug/L															
Famphur	2023-03	ug/L					< 10			< 10							
Famphur	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Fluoranthene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Fluoranthene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Fluoranthene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Fluoranthene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Fluoranthene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Fluoranthene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Fluoranthene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Fluoranthene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Fluoranthene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Fluoranthene	2016-03	ug/L					< 10.9			< 11.2							
Fluoranthene	2016-06	ug/L															
Fluoranthene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Fluoranthene	2023-01	ug/L															
Fluoranthene	2023-03	ug/L					< 10			< 10							
Fluoranthene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Fluorene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Fluorene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Fluorene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Fluorene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Fluorene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Fluorene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Fluorene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Fluorene	2011-09	ug/L					< 10.0										
Fluorene	2012-03	ug/L					< 10.0										
Fluorene	2012-09	ug/L					< 10.0										
Fluorene	2013-03	ug/L					< 11.8										
Fluorene	2013-09	ug/L															
Fluorene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Fluorene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Fluorene	2016-03	ug/L					< 10.9			< 11.2							
Fluorene	2016-06	ug/L															
Fluorene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Fluorene	2023-01	ug/L															
Fluorene	2023-03	ug/L					< 10			< 10							
Fluorene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Fluorotrichloromethane	2008-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4								
Fluorotrichloromethane	2009-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4								
Fluorotrichloromethane	2009-07	ug/L	< 4.00	< 4	< 4	< 4	< 4.00										
Fluorotrichloromethane	2009-09	ug/L	< 4.00	< 20.0	< 4.00	< 4.00	< 4.00										
Fluorotrichloromethane	2010-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00								
Fluorotrichloromethane	2010-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00								
Fluorotrichloromethane	2011-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00								
Fluorotrichloromethane	2011-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00								
Fluorotrichloromethane	2012-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Fluorotrichloromethane	2012-09	ug/L	< 4.00	< 5.00	< 5.00	< 4.00	< 4.00	< 5.00	< 5.00	< 5.00	< 5.00	< 4.00	< 5.00	< 5.00	< 4.00	< 4.00	< 4.00	< 4.00
Fluorotrichloromethane	2013-03	ug/L	< 4.00	< 4		< 4.00	< 4.00		< 4	< 4	**0.27 J**	< 4	< 4	< 4	< 4.00	< 4.00	< 4	< 4
Fluorotrichloromethane	2013-05	ug/L			< 4.00			< 4.00										
Fluorotrichloromethane	2013-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	**0.185 J**	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Fluorotrichloromethane	2013-11	ug/L																
Fluorotrichloromethane	2014-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Fluorotrichloromethane	2014-06	ug/L																
Fluorotrichloromethane	2014-09	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2015-03	ug/L	< 4	< 4	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4	< 4	< 4.00	< 4.00	< 4	< 4	< 4	< 4.00
Fluorotrichloromethane	2015-09	ug/L	< 4	< 4		< 4	< 4	< 4			< 4	< 4	< 4	< 4		< 4	< 4	
Fluorotrichloromethane	2015-10	ug/L			< 4				< 4	< 4					< 4			< 4
Fluorotrichloromethane	2016-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2016-06	ug/L			< 4	< 4												
Fluorotrichloromethane	2016-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2017-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2017-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2017-11	ug/L																
Fluorotrichloromethane	2018-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2018-06	ug/L																
Fluorotrichloromethane	2018-08	ug/L	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Fluorotrichloromethane	2018-09	ug/L					< 4						< 4	< 4				
Fluorotrichloromethane	2018-11	ug/L																
Fluorotrichloromethane	2019-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2019-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2020-03	ug/L	< 4	< 4	< 4			< 4		< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2020-04	ug/L				< 4	< 4		< 4									
Fluorotrichloromethane	2020-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2021-03	ug/L							< 4	< 4	< 4	< 4						
Fluorotrichloromethane	2021-08	ug/L	< 4	< 4	< 4	< 4	< 40	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2022-03	ug/L							< 4	< 4	< 4	< 4						
Fluorotrichloromethane	2022-08	ug/L	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2023-01	ug/L															< 4	
Fluorotrichloromethane	2023-03	ug/L							< 4	< 4	< 4	< 4					< 4	
Fluorotrichloromethane	2023-08	ug/L	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2024-03	ug/L							< 4	< 4	< 4	< 4						
Fluorotrichloromethane	2024-08	ug/L	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2025-03	ug/L							< 4	< 4	< 4	< 4						
Fluorotrichloromethane	2025-08	ug/L	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Heptachlor	2008-08	ug/L	< 0.053			< 0.054	< 0.062	< 0.052	< 0.061	< 0.047	< 0.053	< 0.053	< 0.056	< 0.056	< 0.058	< 0.053		< 0.053
Heptachlor	2008-09	ug/L		< 0.016	< 0.016												**0.537**	
Heptachlor	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Heptachlor	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	
Heptachlor	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
Heptachlor	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
Heptachlor	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
Heptachlor	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
Heptachlor	2011-09	ug/L															< 0.0320	
Heptachlor	2012-03	ug/L															< 0.0320	
Heptachlor	2012-09	ug/L															< 0.0320	
Heptachlor	2013-03	ug/L															< 0.0386	
Heptachlor	2013-09	ug/L															< 0.0323	
Heptachlor	2014-03	ug/L															< 0.0330	
Heptachlor	2014-09	ug/L															< 0.0381	
Heptachlor	2015-03	ug/L															**0.0132 J**	
Heptachlor	2015-09	ug/L	< 0.036	< 0.0356			< 0.0352	< 0.0386			< 0.0337	< 0.0352	< 0.0333	< 0.036		< 0.0356	< 0.0376	
Heptachlor	2015-10	ug/L							< 0.04	< 0.0372					< 0.0386			< 0.0368

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Fluorotrichloromethane	2012-09	ug/L	< 4.00	< 4.00	< 5.00	< 4.00	< 4.00	< 5.00	< 5.00								
Fluorotrichloromethane	2013-03	ug/L	< 4	< 4	< 100		< 4.00	< 4	< 4								
Fluorotrichloromethane	2013-05	ug/L															
Fluorotrichloromethane	2013-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Fluorotrichloromethane	2013-11	ug/L									< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Fluorotrichloromethane	2014-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Fluorotrichloromethane	2014-06	ug/L									< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Fluorotrichloromethane	2014-09	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4		
Fluorotrichloromethane	2015-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4	< 4	< 4		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Fluorotrichloromethane	2015-09	ug/L		< 4		< 4	< 4	< 4	< 4								
Fluorotrichloromethane	2015-10	ug/L	< 4		< 4					< 4	< 4	< 4	< 4	< 4	< 4		
Fluorotrichloromethane	2016-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		
Fluorotrichloromethane	2016-06	ug/L															
Fluorotrichloromethane	2016-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		
Fluorotrichloromethane	2017-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		
Fluorotrichloromethane	2017-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		
Fluorotrichloromethane	2017-11	ug/L														< 4	< 4
Fluorotrichloromethane	2018-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 40	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2018-06	ug/L														< 4	< 4
Fluorotrichloromethane	2018-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4			
Fluorotrichloromethane	2018-09	ug/L													< 4	< 4	< 4
Fluorotrichloromethane	2018-11	ug/L														< 4	< 4
Fluorotrichloromethane	2019-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2019-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2020-03	ug/L	< 4	< 4		< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4
Fluorotrichloromethane	2020-04	ug/L			< 4									< 4			
Fluorotrichloromethane	2020-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Fluorotrichloromethane	2021-03	ug/L		< 4			< 4			< 4							
Fluorotrichloromethane	2021-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Fluorotrichloromethane	2022-03	ug/L		< 4			< 4			< 4							
Fluorotrichloromethane	2022-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Fluorotrichloromethane	2023-01	ug/L															
Fluorotrichloromethane	2023-03	ug/L		< 4			< 4			< 4							
Fluorotrichloromethane	2023-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Fluorotrichloromethane	2024-03	ug/L		< 4			< 4			< 4							
Fluorotrichloromethane	2024-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Fluorotrichloromethane	2025-03	ug/L		< 4			< 4			< 4							
Fluorotrichloromethane	2025-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4		< 4
Heptachlor	2008-08	ug/L		< 0.047	< 0.051	< 0.055											
Heptachlor	2008-09	ug/L	< 0.016				< 0.016	< 0.016	**0.063**								
Heptachlor	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
Heptachlor	2009-07	ug/L					< 0.0320		< 0.0320								
Heptachlor	2009-09	ug/L					< 0.0320		< 0.0320								
Heptachlor	2010-03	ug/L					< 0.0320		< 0.0320								
Heptachlor	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
Heptachlor	2011-03	ug/L					< 0.0320										
Heptachlor	2011-09	ug/L					< 0.0320										
Heptachlor	2012-03	ug/L					< 0.0320		< 0.0320								
Heptachlor	2012-09	ug/L							< 0.0360								
Heptachlor	2013-03	ug/L					< 0.0333		< 0.0323 J								
Heptachlor	2013-09	ug/L							< 0.0360								
Heptachlor	2014-03	ug/L					< 0.0348		< 0.0330								
Heptachlor	2014-09	ug/L					< 0.032		< 0.0337								
Heptachlor	2015-03	ug/L					< 0.036		< 0.0372								
Heptachlor	2015-09	ug/L		< 0.0352		< 0.0356	**0.0173 J**	< 0.0356	< 0.0352								
Heptachlor	2015-10	ug/L	< 0.0372		< 0.0356					< 0.0372							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Heptachlor	2016-03	ug/L			< 0.032	< 0.0356											< 0.0333	
Heptachlor	2016-06	ug/L			< 0.0364	**0.00385 J**												
Heptachlor	2016-08	ug/L															**0.00392 J**	
Heptachlor	2017-03	ug/L															< 0.0381	
Heptachlor	2017-08	ug/L															< 0.178	
Heptachlor	2018-03	ug/L															< 0.0372	
Heptachlor	2018-08	ug/L															< 0.0352	
Heptachlor	2019-03	ug/L															**0.0438**	
Heptachlor	2019-08	ug/L															< 0.0327	
Heptachlor	2020-03	ug/L															< 0.0356	
Heptachlor	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	**0.00483 J**	**0.00347 J**	< 0.0376	< 0.0376	**0.00931 J**	< 0.0376	< 0.0368	< 0.0386	< 0.0376	< 0.0395	< 0.039	< 0.0381	< 0.04
Heptachlor	2021-08	ug/L															< 0.0356	
Heptachlor	2022-08	ug/L																
Heptachlor	2023-01	ug/L															< 0.0727	
Heptachlor	2023-03	ug/L															< 0.0667	
Heptachlor	2023-08	ug/L															< 0.0604	
Heptachlor	2024-08	ug/L															< 0.064	
Heptachlor	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954	< 0.0904	< 0.0959
Heptachlor Epoxide	2008-08	ug/L	< 0.053			< 0.054	< 0.062	< 0.052	< 0.061	< 0.047	< 0.053	< 0.053	< 0.056	< 0.056	< 0.058	< 0.053		< 0.053
Heptachlor Epoxide	2008-09	ug/L		< 0.016	< 0.016												< 0.016	
Heptachlor Epoxide	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Heptachlor Epoxide	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	
Heptachlor Epoxide	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
Heptachlor Epoxide	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
Heptachlor Epoxide	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
Heptachlor Epoxide	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
Heptachlor Epoxide	2015-09	ug/L	< 0.036	< 0.0356			< 0.0352	< 0.0386			< 0.0337	< 0.0352	< 0.0333	< 0.036		< 0.0356	< 0.0376	
Heptachlor Epoxide	2015-10	ug/L							< 0.04	< 0.0372					< 0.0386			< 0.0368
Heptachlor Epoxide	2016-03	ug/L			< 0.032	< 0.0356												
Heptachlor Epoxide	2016-06	ug/L			< 0.0364	< 0.0364												
Heptachlor Epoxide	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.0416	< 0.0376	< 0.0368	< 0.0386	< 0.0376	< 0.0395	< 0.039	< 0.0381	< 0.04
Heptachlor Epoxide	2023-01	ug/L															< 0.0727	
Heptachlor Epoxide	2023-03	ug/L															< 0.0667	
Heptachlor Epoxide	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954		< 0.0959
Hexachlorobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Hexachlorobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexachlorobenzene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Hexachlorobenzene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Hexachlorobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Hexachlorobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Hexachlorobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Hexachlorobenzene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Hexachlorobenzene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Hexachlorobenzene	2016-03	ug/L			< 11.1	< 11.2												
Hexachlorobenzene	2016-06	ug/L			< 11.4	< 11.4												
Hexachlorobenzene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Hexachlorobenzene	2023-01	ug/L															< 10.9	
Hexachlorobenzene	2023-03	ug/L															< 10.4	
Hexachlorobenzene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Hexachlorobutadiene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Hexachlorobutadiene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexachlorobutadiene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Hexachlorobutadiene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Hexachlorobutadiene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Hexachlorobutadiene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Hexachlorobutadiene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Heptachlor	2016-03	ug/L					**0.00799 J**		< 0.0372	< 0.0356							
Heptachlor	2016-06	ug/L															
Heptachlor	2016-08	ug/L					< 0.0356		< 0.0356	< 0.0356							
Heptachlor	2017-03	ug/L					< 0.0337		< 0.032	< 0.0372							
Heptachlor	2017-08	ug/L					< 0.0356		< 0.0356	< 0.0356							
Heptachlor	2018-03	ug/L					< 0.0444		< 0.036	< 0.0372							
Heptachlor	2018-08	ug/L					< 0.0451		< 0.0376	< 0.0381							
Heptachlor	2019-03	ug/L					< 0.039		< 0.0356	< 0.0395							
Heptachlor	2019-08	ug/L					< 0.0346		< 0.0342	< 0.034							
Heptachlor	2020-03	ug/L					< 0.0427		< 0.0356	< 0.0376							
Heptachlor	2020-08	ug/L	< 0.039	< 0.0376	< 0.0337	< 0.0386	< 0.0438	< 0.0368	< 0.0356	< 0.0352							
Heptachlor	2021-08	ug/L					< 0.04		< 0.0356	< 0.0368							
Heptachlor	2022-08	ug/L					< 0.0667		< 0.064	< 0.0604							
Heptachlor	2023-01	ug/L															
Heptachlor	2023-03	ug/L					< 0.0696			< 0.064							
Heptachlor	2023-08	ug/L					< 0.0604		< 0.0711	< 0.0711							
Heptachlor	2024-08	ug/L					< 0.064		< 0.0667	< 0.0696							
Heptachlor	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
Heptachlor Epoxide	2008-08	ug/L		< 0.047	< 0.051	< 0.055											
Heptachlor Epoxide	2008-09	ug/L	< 0.016				< 0.016	< 0.016	< 0.016								
Heptachlor Epoxide	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
Heptachlor Epoxide	2009-07	ug/L					< 0.0320		< 0.0320								
Heptachlor Epoxide	2009-09	ug/L					< 0.0320		< 0.0320								
Heptachlor Epoxide	2010-03	ug/L					< 0.0320		< 0.0320								
Heptachlor Epoxide	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
Heptachlor Epoxide	2011-03	ug/L					< 0.0320										
Heptachlor Epoxide	2015-09	ug/L		< 0.0352		< 0.0356	< 0.0368	< 0.0356	< 0.0352								
Heptachlor Epoxide	2015-10	ug/L	< 0.0372		< 0.0356					< 0.0372							
Heptachlor Epoxide	2016-03	ug/L					< 0.0333			< 0.0356							
Heptachlor Epoxide	2016-06	ug/L															
Heptachlor Epoxide	2020-08	ug/L	< 0.039	< 0.0376	< 0.0337	< 0.0386	< 0.0438	< 0.0368	< 0.0356	< 0.0352							
Heptachlor Epoxide	2023-01	ug/L															
Heptachlor Epoxide	2023-03	ug/L					< 0.0696			< 0.064							
Heptachlor Epoxide	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
Hexachlorobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Hexachlorobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Hexachlorobenzene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Hexachlorobenzene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Hexachlorobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Hexachlorobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Hexachlorobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Hexachlorobenzene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Hexachlorobenzene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Hexachlorobenzene	2016-03	ug/L					< 10.9			< 11.2							
Hexachlorobenzene	2016-06	ug/L															
Hexachlorobenzene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Hexachlorobenzene	2023-01	ug/L															
Hexachlorobenzene	2023-03	ug/L					< 10			< 10							
Hexachlorobenzene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Hexachlorobutadiene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Hexachlorobutadiene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Hexachlorobutadiene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Hexachlorobutadiene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Hexachlorobutadiene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Hexachlorobutadiene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Hexachlorobutadiene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Hexachlorobutadiene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Hexachlorobutadiene	2016-03	ug/L			< 11.1	< 11.2												
Hexachlorobutadiene	2016-06	ug/L			< 11.4	< 11.4												
Hexachlorobutadiene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Hexachlorobutadiene	2023-01	ug/L															< 10.9	
Hexachlorobutadiene	2023-03	ug/L															< 10.4	
Hexachlorobutadiene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Hexachlorocyclopentadiene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Hexachlorocyclopentadiene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexachlorocyclopentadiene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Hexachlorocyclopentadiene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Hexachlorocyclopentadiene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Hexachlorocyclopentadiene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Hexachlorocyclopentadiene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Hexachlorocyclopentadiene	2015-09	ug/L	< 22.7	< 22.2			< 22.2	< 23.3			< 21.7	< 22.2	< 21.7	< 22.5		< 22.7	< 21.1	
Hexachlorocyclopentadiene	2015-10	ug/L							< 20.8	< 21.1					< 23.5			< 23.5
Hexachlorocyclopentadiene	2016-03	ug/L			< 22.2	< 22.5												
Hexachlorocyclopentadiene	2016-06	ug/L			< 22.7	< 22.7												
Hexachlorocyclopentadiene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Hexachlorocyclopentadiene	2023-01	ug/L															< 10.9	
Hexachlorocyclopentadiene	2023-03	ug/L															< 10.4	
Hexachlorocyclopentadiene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Hexachloroethane	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Hexachloroethane	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexachloroethane	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Hexachloroethane	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Hexachloroethane	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Hexachloroethane	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Hexachloroethane	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	**0.236 J**	< 10.0	
Hexachloroethane	2011-09	ug/L														< 10.0		
Hexachloroethane	2012-03	ug/L														< 10.0		
Hexachloroethane	2012-09	ug/L														< 10.0		
Hexachloroethane	2013-03	ug/L														< 11.0		
Hexachloroethane	2013-09	ug/L														< 11.2		
Hexachloroethane	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Hexachloroethane	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Hexachloroethane	2016-03	ug/L			< 11.1	< 11.2												
Hexachloroethane	2016-06	ug/L			< 11.4	< 11.4												
Hexachloroethane	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Hexachloroethane	2023-01	ug/L															< 10.9	
Hexachloroethane	2023-03	ug/L															< 10.4	
Hexachloroethane	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Hexachloropropene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Hexachloropropene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexachloropropene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Hexachloropropene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Hexachloropropene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Hexachloropropene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Hexachloropropene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Hexachloropropene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Hexachloropropene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Hexachloropropene	2016-03	ug/L			< 11.1	< 11.2												
Hexachloropropene	2016-06	ug/L			< 11.4	< 11.4												
Hexachloropropene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Hexachloropropene	2023-01	ug/L															< 10.9	

Table 14

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Hexachlorobutadiene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Hexachlorobutadiene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Hexachlorobutadiene	2016-03	ug/L					< 10.9			< 11.2							
Hexachlorobutadiene	2016-06	ug/L															
Hexachlorobutadiene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Hexachlorobutadiene	2023-01	ug/L															
Hexachlorobutadiene	2023-03	ug/L					< 10			< 10							
Hexachlorobutadiene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Hexachlorocyclopentadiene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Hexachlorocyclopentadiene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Hexachlorocyclopentadiene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Hexachlorocyclopentadiene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Hexachlorocyclopentadiene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Hexachlorocyclopentadiene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Hexachlorocyclopentadiene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Hexachlorocyclopentadiene	2015-09	ug/L		< 22		< 22.5	< 23.3	< 22.5	< 22.5								
Hexachlorocyclopentadiene	2015-10	ug/L	< 23.5		< 20.6					< 22							
Hexachlorocyclopentadiene	2016-03	ug/L					< 21.7			< 22.5							
Hexachlorocyclopentadiene	2016-06	ug/L															
Hexachlorocyclopentadiene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Hexachlorocyclopentadiene	2023-01	ug/L															
Hexachlorocyclopentadiene	2023-03	ug/L					< 10			< 10							
Hexachlorocyclopentadiene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Hexachloroethane	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Hexachloroethane	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Hexachloroethane	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Hexachloroethane	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Hexachloroethane	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Hexachloroethane	2010-09	ug/L	< 10.0	< 10.0	< 10.0	**0.135 J**	< 10.0										
Hexachloroethane	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Hexachloroethane	2011-09	ug/L				< 10.0	< 10.0										
Hexachloroethane	2012-03	ug/L				< 10.0	< 10.0										
Hexachloroethane	2012-09	ug/L				< 10.0	< 10.0										
Hexachloroethane	2013-03	ug/L					< 11.8										
Hexachloroethane	2013-09	ug/L				< 11.0											
Hexachloroethane	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Hexachloroethane	2015-10	ug/L	< 11.8		< 10.3					< 11							
Hexachloroethane	2016-03	ug/L					< 10.9			< 11.2							
Hexachloroethane	2016-06	ug/L															
Hexachloroethane	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Hexachloroethane	2023-01	ug/L															
Hexachloroethane	2023-03	ug/L					< 10			< 10							
Hexachloroethane	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Hexachloropropene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Hexachloropropene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Hexachloropropene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Hexachloropropene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Hexachloropropene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Hexachloropropene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Hexachloropropene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Hexachloropropene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Hexachloropropene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Hexachloropropene	2016-03	ug/L					< 10.9			< 11.2							
Hexachloropropene	2016-06	ug/L															
Hexachloropropene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Hexachloropropene	2023-01	ug/L															

Table 14

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloropropene	2023-03	ug/L															< 10.4	
Hexachloropropene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Indeno(1,2,3-cd)pyrene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Indeno(1,2,3-cd)pyrene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Indeno(1,2,3-cd)pyrene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Indeno(1,2,3-cd)pyrene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Indeno(1,2,3-cd)pyrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Indeno(1,2,3-cd)pyrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Indeno(1,2,3-cd)pyrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Indeno(1,2,3-cd)pyrene	2011-09	ug/L																
Indeno(1,2,3-cd)pyrene	2012-03	ug/L																
Indeno(1,2,3-cd)pyrene	2012-09	ug/L																
Indeno(1,2,3-cd)pyrene	2013-03	ug/L																
Indeno(1,2,3-cd)pyrene	2013-09	ug/L																
Indeno(1,2,3-cd)pyrene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Indeno(1,2,3-cd)pyrene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Indeno(1,2,3-cd)pyrene	2016-03	ug/L			< 11.1	< 11.2												
Indeno(1,2,3-cd)pyrene	2016-06	ug/L			< 11.4	< 11.4												
Indeno(1,2,3-cd)pyrene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Indeno(1,2,3-cd)pyrene	2023-01	ug/L															< 10.9	
Indeno(1,2,3-cd)pyrene	2023-03	ug/L															< 10.4	
Indeno(1,2,3-cd)pyrene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Iodomethane	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2009-07	ug/L	< 20	< 20.0		< 10		< 20	< 10	< 10	< 10	< 20	< 20.0	< 20.0	< 20	< 10	< 20	
Iodomethane	2009-09	ug/L	< 10	< 10.0		< 20.0		< 20.0	< 10.0	< 50.0	< 20.0	< 10	< 10	< 10	< 10	< 10	< 10	
Iodomethane	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Iodomethane	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Iodomethane	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 100	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Iodomethane	2011-09	ug/L	< 20.0	< 50.0	< 50.0	< 50.0	< 10.0	< 50.0	< 50.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 20.0	< 20.0	< 10.0	< 10.0
Iodomethane	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Iodomethane	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Iodomethane	2013-03	ug/L	< 10.0	< 10		< 10.0	< 10.0		< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10
Iodomethane	2013-05	ug/L			< 10.0			< 10.0										
Iodomethane	2013-09	ug/L	**5.23 J**	< 10.0	< 10.0	< 10.0	< 10.0	**5.11 J**	**5.11 J**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Iodomethane	2013-11	ug/L																
Iodomethane	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Iodomethane	2014-06	ug/L																
Iodomethane	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2015-03	ug/L	< 10	< 10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Iodomethane	2015-09	ug/L	< 10	< 10		< 10	< 10	< 10			< 10	< 10	< 10	< 10		< 10	< 10	
Iodomethane	2015-10	ug/L			< 10				< 10	< 10					< 10			< 10
Iodomethane	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2016-06	ug/L			< 10	< 10												
Iodomethane	2016-08	ug/L	< 10	< 10	< 10	**3.45 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2017-11	ug/L																
Iodomethane	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2018-06	ug/L																
Iodomethane	2018-08	ug/L	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Iodomethane	2018-09	ug/L					< 10						< 10	< 10				
Iodomethane	2018-11	ug/L																
Iodomethane	2019-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2020-03	ug/L	< 10	< 10	< 10			< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Table 14

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Hexachloropropene	2023-03	ug/L					< 10			< 10							
Hexachloropropene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Indeno(1,2,3-cd)pyrene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Indeno(1,2,3-cd)pyrene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Indeno(1,2,3-cd)pyrene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Indeno(1,2,3-cd)pyrene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	**0.299 J**	< 10.0	< 10.0								
Indeno(1,2,3-cd)pyrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Indeno(1,2,3-cd)pyrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Indeno(1,2,3-cd)pyrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Indeno(1,2,3-cd)pyrene	2011-09	ug/L					< 10.0										
Indeno(1,2,3-cd)pyrene	2012-03	ug/L					< 10.0										
Indeno(1,2,3-cd)pyrene	2012-09	ug/L					< 10.0										
Indeno(1,2,3-cd)pyrene	2013-03	ug/L					< 11.8										
Indeno(1,2,3-cd)pyrene	2013-09	ug/L					< 10.6										
Indeno(1,2,3-cd)pyrene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Indeno(1,2,3-cd)pyrene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Indeno(1,2,3-cd)pyrene	2016-03	ug/L					< 10.9			< 11.2							
Indeno(1,2,3-cd)pyrene	2016-06	ug/L															
Indeno(1,2,3-cd)pyrene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Indeno(1,2,3-cd)pyrene	2023-01	ug/L															
Indeno(1,2,3-cd)pyrene	2023-03	ug/L					< 10			< 10							
Indeno(1,2,3-cd)pyrene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Iodomethane	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Iodomethane	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Iodomethane	2009-07	ug/L	< 20.0	< 20	< 10	< 10	< 20.0										
Iodomethane	2009-09	ug/L	< 10.0	< 100	< 10.0	< 20.0	< 10.0										
Iodomethane	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Iodomethane	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Iodomethane	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Iodomethane	2011-09	ug/L	< 50.0	< 50.0	< 50.0	< 20.0	< 20.0	< 50.0	< 50.0								
Iodomethane	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Iodomethane	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Iodomethane	2013-03	ug/L	< 10	< 10	< 250		< 10.0	< 10	< 10								
Iodomethane	2013-05	ug/L															
Iodomethane	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Iodomethane	2013-11	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Iodomethane	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Iodomethane	2014-06	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Iodomethane	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 50	< 10	< 10	< 10	< 10		
Iodomethane	2015-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Iodomethane	2015-09	ug/L		< 10		< 10	< 10	< 10	< 10								
Iodomethane	2015-10	ug/L	< 10		< 10					< 10	< 10	< 10	< 10	< 10	< 10		
Iodomethane	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Iodomethane	2016-06	ug/L															
Iodomethane	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Iodomethane	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Iodomethane	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Iodomethane	2017-11	ug/L														< 10	**7.36 J**
Iodomethane	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2018-06	ug/L														< 10	< 10
Iodomethane	2018-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10			
Iodomethane	2018-09	ug/L													< 10	< 10	< 10
Iodomethane	2018-11	ug/L														< 10	< 10
Iodomethane	2019-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2020-03	ug/L	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Iodomethane	2020-04	ug/L				< 10	< 10		< 10									
Iodomethane	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2021-03	ug/L							< 10	< 10	< 10	< 10						
Iodomethane	2021-08	ug/L	< 10	< 10	< 10	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2022-03	ug/L							< 10	< 10	< 10	< 10						
Iodomethane	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2023-01	ug/L															< 10	
Iodomethane	2023-03	ug/L							< 10	< 10	< 10	< 10					< 10	
Iodomethane	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2024-03	ug/L							< 10	< 10	< 10	< 10						
Iodomethane	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2025-03	ug/L							< 10	< 10	< 10	< 10						
Iodomethane	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutanol	2008-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutanol	2009-03	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutanol	2010-09	mg/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Isobutanol	2015-09	mg/L	< 10	< 10			< 10	< 10			< 10	< 10	< 10	< 10		< 10	< 10	
Isobutanol	2015-10	mg/L							< 10	< 10					< 10			< 10
Isobutanol	2016-03	mg/L			< 10	< 10												
Isobutanol	2016-06	mg/L			< 10	< 10												
Isobutanol	2020-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutanol	2023-01	mg/L															< 10	
Isobutanol	2023-03	mg/L															< 10	
Isobutanol	2025-08	mg/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10
Isodrin	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Isodrin	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isodrin	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Isodrin	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Isodrin	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Isodrin	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Isodrin	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Isodrin	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Isodrin	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Isodrin	2016-03	ug/L			< 11.1	< 11.2												
Isodrin	2016-06	ug/L			< 11.4	< 11.4												
Isodrin	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Isodrin	2023-01	ug/L															< 10.9	
Isodrin	2023-03	ug/L															< 10.4	
Isodrin	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Isophorone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Isophorone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isophorone	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Isophorone	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Isophorone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Isophorone	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Isophorone	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Isophorone	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Isophorone	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Isophorone	2016-03	ug/L			< 11.1	< 11.2												
Isophorone	2016-06	ug/L			< 11.4	< 11.4												
Isophorone	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Isophorone	2023-01	ug/L															< 10.9	
Isophorone	2023-03	ug/L															< 10.4	
Isophorone	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Isosafrole	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Isosafrole	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Iodomethane	2020-04	ug/L			< 10									< 10			
Iodomethane	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Iodomethane	2021-03	ug/L		< 10			< 10			< 10							
Iodomethane	2021-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Iodomethane	2022-03	ug/L		< 10			< 10			< 10							
Iodomethane	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Iodomethane	2023-01	ug/L															
Iodomethane	2023-03	ug/L		< 10			< 10			< 10							
Iodomethane	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Iodomethane	2024-03	ug/L		< 10			< 10			< 10							
Iodomethane	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Iodomethane	2025-03	ug/L		< 10			< 10			< 10							
Iodomethane	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Isobutanol	2008-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Isobutanol	2009-03	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Isobutanol	2010-09	mg/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Isobutanol	2015-09	mg/L		< 10		< 10	< 10	< 10	< 10								
Isobutanol	2015-10	mg/L	< 10		< 10					< 10							
Isobutanol	2016-03	mg/L					< 10			< 10							
Isobutanol	2016-06	mg/L															
Isobutanol	2020-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10							
Isobutanol	2023-01	mg/L															
Isobutanol	2023-03	mg/L					< 10			< 10							
Isobutanol	2025-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10							
Isodrin	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Isodrin	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Isodrin	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Isodrin	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Isodrin	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Isodrin	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Isodrin	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Isodrin	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Isodrin	2015-10	ug/L	< 11.8		< 10.3					< 11							
Isodrin	2016-03	ug/L					< 10.9			< 11.2							
Isodrin	2016-06	ug/L															
Isodrin	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Isodrin	2023-01	ug/L															
Isodrin	2023-03	ug/L					< 10			< 10							
Isodrin	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Isophorone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Isophorone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Isophorone	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Isophorone	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Isophorone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Isophorone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Isophorone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Isophorone	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Isophorone	2015-10	ug/L	< 11.8		< 10.3					< 11							
Isophorone	2016-03	ug/L					< 10.9			< 11.2							
Isophorone	2016-06	ug/L															
Isophorone	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Isophorone	2023-01	ug/L															
Isophorone	2023-03	ug/L					< 10			< 10							
Isophorone	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Isosafrole	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Isosafrole	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isosafrole	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Isosafrole	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Isosafrole	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Isosafrole	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Isosafrole	2011-03	ug/L	**0.182 J**	**0.183 J**	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Isosafrole	2011-09	ug/L	< 10.0	< 10.0														
Isosafrole	2012-03	ug/L	< 10.0	< 10.0														
Isosafrole	2012-09	ug/L	< 10.0	< 10.0														
Isosafrole	2013-03	ug/L	< 10.9	< 10.2														
Isosafrole	2013-09	ug/L	< 11.0	< 10.2														
Isosafrole	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Isosafrole	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Isosafrole	2016-03	ug/L			< 11.1	< 11.2												
Isosafrole	2016-06	ug/L			< 11.4	< 11.4												
Isosafrole	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Isosafrole	2023-01	ug/L															< 10.9	
Isosafrole	2023-03	ug/L															< 10.4	
Isosafrole	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Kepone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Kepone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Kepone	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Kepone	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Kepone	2010-03	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0		< 20.0			< 20.0		< 20.0	< 20.0	< 20.0	< 22.5
Kepone	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Kepone	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 0.330	< 10.0	< 10.0	
Kepone	2011-09	ug/L																
Kepone	2012-03	ug/L																
Kepone	2012-09	ug/L																
Kepone	2013-03	ug/L																
Kepone	2013-09	ug/L																
Kepone	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Kepone	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Kepone	2016-03	ug/L			< 11.1	< 11.2												
Kepone	2016-06	ug/L			< 11.4	< 11.4												
Kepone	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Kepone	2023-01	ug/L															< 10.9	
Kepone	2023-03	ug/L															< 10.4	
Kepone	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Lead	2008-08	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	**0.03**	**0.01**	**0.01**	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	2009-03	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	**0.01**	**0.01**	< 0.01	**0.01**	**0.01**	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	**0.01**
Lead	2009-07	mg/L	< 0.01	**0.07**	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	2009-09	mg/L	< 0.004	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Lead	2010-03	mg/L	< 0.00400	**0.00431**	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	**0.00480**	< 0.00400	< 0.00400
Lead	2010-09	mg/L	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	**0.00691**
Lead	2011-03	mg/L	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400
Lead	2011-09	mg/L	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400
Lead	2012-03	mg/L	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	**0.00410**	< 0.00400
Lead	2012-09	mg/L	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	**0.00676**	< 0.00400
Lead	2013-03	mg/L	**0.00118 J**	**0.0134**		**0.00172 J**	< 0.00400		< 0.004 J	< 0.004 J	< 0.004	< 0.004 J	< 0.004	< 0.004	< 0.00400	< 0.00400	**0.00661**	**0.00914**
Lead	2013-05	mg/L			**0.000980 J**			< 0.00400										
Lead	2013-09	mg/L	< 0.00400	< 0.00400	< 0.00400	< 0.00400	**0.00184 J**	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	**0.000949 J**	**0.00295 J**	**0.00477**
Lead	2013-11	mg/L																
Lead	2014-03	mg/L	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	**0.00144 J**	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	**0.00719**	< 0.00400	**0.00440**
Lead	2014-06	mg/L																
Lead	2014-09	mg/L	**0.000557**	**0.000787**	**0.000259 J**	**0.000142 J**	**0.000301 J**	**0.000826**	**0.000286 J**	**0.000923**	**0.000158 J**	**0.000498 J**	**0.000199 J**	**0.000183 J**	**0.000155 J**	**0.000968**	**0.0052**	**0.000394 J**
Lead	2015-03	mg/L	**0.000866**	**0.0158**	**0.000407 J**	**0.000259 J**	**0.000182 J**	**0.000218 J**	**0.000685**	< 0.000500	**0.000151 J**	**0.000159 J**	**0.000100 J**	< 0.000500	**0.000159 J**	**0.000978**	**0.00024 J**	< 0.000500

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Isosafrole	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Isosafrole	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Isosafrole	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Isosafrole	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Isosafrole	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Isosafrole	2011-09	ug/L					< 10.0										
Isosafrole	2012-03	ug/L					< 10.0										
Isosafrole	2012-09	ug/L					< 10.0										
Isosafrole	2013-03	ug/L					< 11.8										
Isosafrole	2013-09	ug/L															
Isosafrole	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Isosafrole	2015-10	ug/L	< 11.8		< 10.3					< 11							
Isosafrole	2016-03	ug/L					< 10.9			< 11.2							
Isosafrole	2016-06	ug/L															
Isosafrole	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Isosafrole	2023-01	ug/L															
Isosafrole	2023-03	ug/L					< 10			< 10							
Isosafrole	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Kepone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Kepone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Kepone	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Kepone	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Kepone	2010-03	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0								
Kepone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Kepone	2011-03	ug/L	< 10.0	**1.63 J**	**0.614 J**	< 10.0	< 10.0	< 10.0									
Kepone	2011-09	ug/L		< 10.0	< 10.0		< 10.0										
Kepone	2012-03	ug/L		< 10.0	< 10.0		< 10.0										
Kepone	2012-09	ug/L		< 10.0	< 10.0		< 10.0										
Kepone	2013-03	ug/L		< 10.5	< 10.6		< 11.8										
Kepone	2013-09	ug/L		< 10.1	< 11.0												
Kepone	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Kepone	2015-10	ug/L	< 11.8		< 10.3					< 11							
Kepone	2016-03	ug/L					< 10.9			< 11.2							
Kepone	2016-06	ug/L															
Kepone	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Kepone	2023-01	ug/L															
Kepone	2023-03	ug/L					< 10			< 10							
Kepone	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Lead	2008-08	mg/L	**0.03**	< 0.01	< 0.01	< 0.01	~~< 0.01~~	**0.01**	< 0.01								
Lead	2009-03	mg/L	**0.02**	**0.06**	< 0.01	**0.01**	~~< 0.01~~	< 0.01	**0.01**								
Lead	2009-07	mg/L	**0.03**	< 0.01	< 0.01	< 0.01	~~< 0.01~~	< 0.01	**0.01**								
Lead	2009-09	mg/L	< 0.00400	< 0.00400	**0.00881**	< 0.00400	< 0.00400	< 0.00400									
Lead	2010-03	mg/L	< 0.00400	< 0.00400	< 0.00400	**0.00656**	< 0.00400	**0.0129**	**0.00503**								
Lead	2010-09	mg/L	< 0.00400	< 0.00400	< 0.00400	**0.00637**	< 0.00400	< 0.00400	< 0.00400								
Lead	2011-03	mg/L	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	**0.0101**	**0.0208**								
Lead	2011-09	mg/L	< 0.00400	< 0.00400	< 0.00400	**0.00627**	< 0.00400	< 0.00400	**0.0411**								
Lead	2012-03	mg/L	< 0.00400	< 0.00400	< 0.00400	**0.00424**	< 0.00400	< 0.00400	**0.0160**								
Lead	2012-09	mg/L	< 0.00400	< 0.00400	< 0.00400	**0.0128**	< 0.00400	**0.00436**	**0.00802**								
Lead	2013-03	mg/L	**0.00657**	< 0.004 J	**0.00208 J**		**0.000925 J**	**0.00261 J**	**0.00609**								
Lead	2013-05	mg/L															
Lead	2013-09	mg/L	**0.00145 J**	< 0.00400	< 0.00400	**0.00245 J**	< 0.00400	**0.00117 J**	**0.00342 J**	~~**0.00297 J**~~	< 0.00400	**0.00432**	**0.00142 J**	**0.0138**	**0.00461**		
Lead	2013-11	mg/L								~~**0.00288 J**~~	**0.00111 J**	**0.00194 J**	< 0.00400	**0.0244**	< 0.00400		
Lead	2014-03	mg/L	< 0.00400	< 0.00400	< 0.00400	**0.0648**	< 0.00400	**0.00489**	**0.00584**	~~< 0.00400~~	< 0.00400	< 0.00400	< 0.00400	**0.00545**	< 0.00400		
Lead	2014-06	mg/L								~~**0.00121 J**~~	**0.00114 J**	**0.00122 J**	< 0.00400	**0.00730**	< 0.00400		
Lead	2014-09	mg/L	**0.00101**	**0.000579**	**0.000191 J**	**0.00252**	**0.000354 J**	**0.00325**	**0.00248**	~~**0.000456 J**~~	**0.000498 J**	**0.000913**	**0.000211 J**	**0.00324**	**0.00066**		
Lead	2015-03	mg/L	**0.00114**	**0.000354 J**	< 0.000500	**0.000512**	< 0.0005	**0.00408**	**0.000302 J**	**0.000731**	< 0.000500	< 0.000500	**0.000102 J**	< 0.000500	< 0.000500		

Table 14

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Lead	2015-09	mg/L	**0.000229 J**	**0.00421**		**0.000107 J**	**0.000279 J**	< 0.0005			**0.000361 J**	< 0.0005	**0.000642**	< 0.0005		**0.000369 J**	< 0.0005	
Lead	2015-10	mg/L			**0.000305 J**				**0.000252 J**	< 0.0005					**0.00025 J**			< 0.0005
Lead	2016-03	mg/L	< 0.0005	**0.000373 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000308 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.00058**	**0.000221 J**	< 0.0005
Lead	2016-06	mg/L			< 0.0005 J	< 0.0005												
Lead	2016-08	mg/L	**0.000565**	**0.000589**	< 0.0005	< 0.0005	**0.000279 J**	**0.000256 J**	**0.00165**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.00115**	< 0.0005	< 0.0005
Lead	2017-03	mg/L	**0.000841**	**0.00042 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000621**	< 0.0005	**0.000702**	< 0.0005	< 0.0005
Lead	2017-08	mg/L	< 0.0005	**0.000491 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000447 J**	< 0.0005	< 0.0005
Lead	2017-11	mg/L																
Lead	2018-03	mg/L	**0.000499 J**	**0.00449**	< 0.0005	< 0.0005	**0.000382 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000838**	< 0.0005	< 0.0005
Lead	2018-06	mg/L																
Lead	2018-08	mg/L	< 0.0005	**0.000823**	< 0.0005	< 0.0005		< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005			< 0.0005	**0.000367 J**	< 0.0005	< 0.0005
Lead	2018-09	mg/L					**0.000373 J**						< 0.0005	< 0.0005				
Lead	2018-11	mg/L																
Lead	2019-03	mg/L	< 0.0005	**0.000434 J**	**0.000285 J**	< 0.0005	< 0.0005	< 0.0005	**0.000281 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2019-08	mg/L	**0.000348 J**	**0.00128**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2020-03	mg/L	**0.000822**	**0.000795**	< 0.0005			< 0.0005		< 0.0005	< 0.002	< 0.0005	< 0.0005	< 0.002	< 0.0005	**0.000516**	< 0.0005	< 0.0005
Lead	2020-04	mg/L				< 0.0005	< 0.0005		< 0.0005									
Lead	2020-08	mg/L	**0.00093**	< 0.0005	**0.000147 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000152 J**	< 0.0005	**0.00038 J**	< 0.0005	< 0.0005
Lead	2021-03	mg/L							< 0.0005	< 0.0005	< 0.0005	< 0.0005						
Lead	2021-08	mg/L	**0.000275 J**	**0.00195**	**0.000346 J**	< 0.0005	**0.000222 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000256 J**	< 0.0005	< 0.0005
Lead	2022-03	mg/L							< 0.0005	< 0.002	< 0.0005	< 0.0005						
Lead	2022-08	mg/L	**0.000741 J**	**0.00058**	< 0.0005	**0.0004 J**	**0.000387 J**		< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000544**	< 0.0005	< 0.0005
Lead	2023-01	mg/L															< 0.0005	
Lead	2023-03	mg/L							< 0.0005	< 0.0005	**0.000381 J**	< 0.0005					**0.000286 J**	
Lead	2023-08	mg/L	**0.000974**	**0.00201**	< 0.0005	< 0.0005	**0.00076**		< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.00058**	< 0.0005	< 0.0005
Lead	2024-03	mg/L							< 0.0005	< 0.0005	< 0.0005	< 0.0005						
Lead	2024-08	mg/L	**0.000817**	**0.00109**	< 0.0005	< 0.0005	< 0.0005		< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000339 J**	< 0.0005	< 0.0005	**0.000885**	< 0.0005	< 0.0005
Lead	2025-03	mg/L							< 0.0005 U	< 0.0005	< 0.0005	< 0.0005						
Lead	2025-08	mg/L	< 0.0005	**0.000806**	< 0.0005	**0.00144**	< 0.0005		< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000805**	< 0.0005	< 0.0005
Lindane (BHC, Gamma-)	2008-08	ug/L	< 0.053			< 0.054	< 0.062	< 0.052	< 0.061	< 0.047	< 0.053	< 0.053	< 0.056	< 0.056	< 0.058	< 0.053		< 0.053
Lindane (BHC, Gamma-)	2008-09	ug/L		< 0.016	< 0.016												< 0.016	
Lindane (BHC, Gamma-)	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Lindane (BHC, Gamma-)	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	
Lindane (BHC, Gamma-)	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
Lindane (BHC, Gamma-)	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
Lindane (BHC, Gamma-)	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
Lindane (BHC, Gamma-)	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
Lindane (BHC, Gamma-)	2015-09	ug/L	< 0.036	< 0.0356			< 0.0352	< 0.0386			< 0.0337	< 0.0352	< 0.0333	< 0.036		< 0.0356	< 0.0376	
Lindane (BHC, Gamma-)	2015-10	ug/L							**0.00433 J**	**0.00315 J**					< 0.0386			< 0.0368
Lindane (BHC, Gamma-)	2016-03	ug/L			< 0.032	< 0.0356												
Lindane (BHC, Gamma-)	2016-06	ug/L			< 0.0364	**0.00405 J**												
Lindane (BHC, Gamma-)	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	**0.00525 J**	**0.008 J**	< 0.0376	**0.00462 J**	**0.00334 J**	**0.00234 J**	< 0.0395	< 0.039	< 0.0381	< 0.04
Lindane (BHC, Gamma-)	2023-01	ug/L															< 0.0727	
Lindane (BHC, Gamma-)	2023-03	ug/L															< 0.0667	
Lindane (BHC, Gamma-)	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954		< 0.0959
m/p-Cresol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	**10.3**
m/p-Cresol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
m/p-Cresol	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
m/p-Cresol	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
m/p-Cresol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
m/p-Cresol	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
m/p-Cresol	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
m/p-Cresol	2014-03	ug/L																< 11.9
m/p-Cresol	2014-09	ug/L																< 12.3
m/p-Cresol	2015-03	ug/L																< 10.6
m/p-Cresol	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	**1.45 J**	< 10.9	< 11.2		< 11.4	< 10.5	

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Table 14
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Lead	2015-09	mg/L		**0.000197 J**		**0.000548**	**0.00019 J**	**0.000447 J**	< 0.0005								
Lead	2015-10	mg/L	**0.000327 J**		**0.000199 J**					**0.00695**	< 0.0005	< 0.0005	< 0.0005	**0.00115**	< 0.0005		
Lead	2016-03	mg/L	< 0.0005	< 0.0005	< 0.0005	**0.00041 J**	**0.000324 J**	**0.000223 J**	< 0.0005	< 0.0005	**0.000291 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005		
Lead	2016-06	mg/L															
Lead	2016-08	mg/L	< 0.0005	< 0.0005	< 0.0005	**0.000482 J**	< 0.0005	**0.000804**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000486 J**		
Lead	2017-03	mg/L	< 0.0005	< 0.0005	< 0.0005	**0.0005**	< 0.0005	< 0.0005	**0.000391 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005		
Lead	2017-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000366 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005		
Lead	2017-11	mg/L														< 0.0005	< 0.0005
Lead	2018-03	mg/L	< 0.0005	< 0.0005	**0.00076**	**0.000337 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000484 J**
Lead	2018-06	mg/L														< 0.0005	< 0.0005
Lead	2018-08	mg/L	< 0.0005	< 0.0005	< 0.0005	**0.000365 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005		< 0.0005	< 0.0005	< 0.0005			
Lead	2018-09	mg/L													< 0.0005	< 0.0005	< 0.0005
Lead	2018-11	mg/L														< 0.0005	< 0.0005
Lead	2019-03	mg/L	< 0.0005	**0.000822**	< 0.0005	**0.000497 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005		< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2019-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2020-03	mg/L	< 0.0005	**0.000459 J**		< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.0003 J**	< 0.0005	< 0.0005		< 0.0005	**0.000737**	< 0.0005
Lead	2020-04	mg/L			< 0.0005									< 0.0005			
Lead	2020-08	mg/L	< 0.0005	< 0.0005	**0.000412 J**	**0.000217 J**	**0.000118 J**	< 0.0005	< 0.0005	**0.000347 J**			< 0.0005	< 0.0005	< 0.0005		< 0.0005
Lead	2021-03	mg/L		**0.000232 J**			< 0.0005			**0.000931**							
Lead	2021-08	mg/L	**0.000272 J**	< 0.0005	**0.000251 J**	**0.000384 J**	**0.000232 J**	< 0.0005	< 0.0005	< 0.0005			< 0.0005	< 0.0005	< 0.0005		< 0.0005
Lead	2022-03	mg/L		< 0.002			< 0.0005			< 0.0005							
Lead	2022-08	mg/L	< 0.0005	< 0.0005	< 0.0005	**0.00025 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005			< 0.0005	< 0.0005	< 0.0005		< 0.0005
Lead	2023-01	mg/L															
Lead	2023-03	mg/L		**0.000534**			< 0.0005			< 0.0005							
Lead	2023-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000288 J**	< 0.0005			< 0.0005	< 0.0005	< 0.0005		< 0.0005
Lead	2024-03	mg/L		< 0.0005			< 0.0005			< 0.0005							
Lead	2024-08	mg/L	< 0.0005	**0.00051**	**0.00035 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005			< 0.0005	< 0.0005	< 0.0005		< 0.0005
Lead	2025-03	mg/L		< 0.0005			< 0.0005			< 0.0005							
Lead	2025-08	mg/L	< 0.0005	**0.000541**	**0.000526**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005			< 0.0005	< 0.0005	< 0.0005		< 0.0005
Lindane (BHC, Gamma-)	2008-08	ug/L		< 0.047	< 0.051	< 0.055											
Lindane (BHC, Gamma-)	2008-09	ug/L	< 0.016				< 0.016	< 0.016	< 0.016								
Lindane (BHC, Gamma-)	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
Lindane (BHC, Gamma-)	2009-07	ug/L					< 0.0320		< 0.0320								
Lindane (BHC, Gamma-)	2009-09	ug/L					< 0.0320		< 0.0320								
Lindane (BHC, Gamma-)	2010-03	ug/L					< 0.0320		< 0.0320								
Lindane (BHC, Gamma-)	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
Lindane (BHC, Gamma-)	2011-03	ug/L					< 0.0320										
Lindane (BHC, Gamma-)	2015-09	ug/L		< 0.0352		< 0.0356	< 0.0368	< 0.0356	< 0.0352								
Lindane (BHC, Gamma-)	2015-10	ug/L	< 0.0372		< 0.0356					< 0.0372							
Lindane (BHC, Gamma-)	2016-03	ug/L					**0.00674 J**			< 0.0356							
Lindane (BHC, Gamma-)	2016-06	ug/L															
Lindane (BHC, Gamma-)	2020-08	ug/L	< 0.039	**0.00926 J**	< 0.0337	< 0.0386	< 0.0438	< 0.0368	< 0.0356	< 0.0352							
Lindane (BHC, Gamma-)	2023-01	ug/L															
Lindane (BHC, Gamma-)	2023-03	ug/L					< 0.0696			< 0.064							
Lindane (BHC, Gamma-)	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
m/p-Cresol	2008-08	ug/L	< 10	< 10	< 10	**9.02 J**	< 10	< 11.1	< 10								
m/p-Cresol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
m/p-Cresol	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
m/p-Cresol	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
m/p-Cresol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
m/p-Cresol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
m/p-Cresol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
m/p-Cresol	2014-03	ug/L					< 11.2										
m/p-Cresol	2014-09	ug/L					< 11										
m/p-Cresol	2015-03	ug/L					< 11										
m/p-Cresol	2015-09	ug/L		< 11		< 11.2	**404**	< 11.2	< 11.2								

Table 14

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m/p-Cresol	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
m/p-Cresol	2016-03	ug/L			< 11.1	< 11.2												< 10.9
m/p-Cresol	2016-06	ug/L			< 11.4	< 11.4												
m/p-Cresol	2016-08	ug/L																< 11.6
m/p-Cresol	2017-03	ug/L																< 11.8
m/p-Cresol	2017-08	ug/L																< 11.1
m/p-Cresol	2018-03	ug/L																< 11.1
m/p-Cresol	2018-08	ug/L																< 11.1
m/p-Cresol	2019-03	ug/L																< 12
m/p-Cresol	2019-08	ug/L																< 10.8
m/p-Cresol	2020-03	ug/L																< 12.5
m/p-Cresol	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
m/p-Cresol	2021-03	ug/L																
m/p-Cresol	2021-08	ug/L																< 11.5
m/p-Cresol	2022-08	ug/L																
m/p-Cresol	2023-01	ug/L															< 10.9	
m/p-Cresol	2023-03	ug/L															< 10.4	
m/p-Cresol	2023-08	ug/L																< 11.4
m/p-Cresol	2024-08	ug/L																< 10
m/p-Cresol	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
m/p-Cresol	2025-12	ug/L																
Mercury	2008-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Mercury	2009-03	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Mercury	2010-09	mg/L	< 0.000200	< 0.000200	< 0.000200			< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200		< 0.000200	< 0.000200	< 0.000200	< 0.000200	
Mercury	2011-03	mg/L	< 0.000200	< 0.000200	< 0.000200			< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	
Mercury	2013-09	mg/L																
Mercury	2013-11	mg/L																
Mercury	2014-03	mg/L																
Mercury	2014-06	mg/L																
Mercury	2014-09	mg/L																
Mercury	2015-03	mg/L																
Mercury	2015-09	mg/L	< 0.0002	< 0.0002			< 0.0002	< 0.0002			< 0.0002	< 0.0002	< 0.0002	< 0.0002		< 0.0002	< 0.0002	
Mercury	2015-10	mg/L							< 0.0002	< 0.0002					< 0.0002			< 0.0002
Mercury	2016-03	mg/L			< 0.0002	< 0.0002												
Mercury	2016-06	mg/L			< 0.0002	< 0.0002												
Mercury	2017-03	mg/L																
Mercury	2017-08	mg/L																
Mercury	2020-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Mercury	2023-01	mg/L															< 0.0002	
Mercury	2023-03	mg/L															< 0.0002	
Mercury	2025-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002		< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002		< 0.0002
Methacrylonitrile	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methacrylonitrile	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methacrylonitrile	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
Methacrylonitrile	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
Methacrylonitrile	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methacrylonitrile	2010-09	ug/L	< 1.00	< 1.00	< 1.00			< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	
Methacrylonitrile	2011-03	ug/L	< 1.00	< 1.00	< 1.00			< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	
Methacrylonitrile	2012-09	ug/L														< 1.00		
Methacrylonitrile	2015-09	ug/L	< 10	< 10			< 10	< 10			< 10	< 10	< 10	< 10		< 10	< 10	
Methacrylonitrile	2015-10	ug/L							< 10	< 10					< 10			< 10
Methacrylonitrile	2016-03	ug/L			< 10	< 10												
Methacrylonitrile	2016-06	ug/L			< 10	< 10												
Methacrylonitrile	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methacrylonitrile	2023-01	ug/L															< 10	
Methacrylonitrile	2023-03	ug/L															< 10	

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
m/p-Cresol	2015-10	ug/L	< 11.8		< 10.3					< 11							
m/p-Cresol	2016-03	ug/L					< 10.9			< 11.2							
m/p-Cresol	2016-06	ug/L															
m/p-Cresol	2016-08	ug/L					< 11.8			< 10.6							
m/p-Cresol	2017-03	ug/L					< 10.5			< 10.9							
m/p-Cresol	2017-08	ug/L					< 10.6			< 10.4							
m/p-Cresol	2018-03	ug/L					< 12.5			< 12.3							
m/p-Cresol	2018-08	ug/L					< 13.2			< 10.6							
m/p-Cresol	2019-03	ug/L					< 13			< 11.1							
m/p-Cresol	2019-08	ug/L					< 10.8			< 10.9							
m/p-Cresol	2020-03	ug/L					< 13.7			< 12.5							
m/p-Cresol	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
m/p-Cresol	2021-03	ug/L					< 11.1			< 12.2							
m/p-Cresol	2021-08	ug/L					< 12.5			< 10.8							
m/p-Cresol	2022-08	ug/L					~~< 10.4 R~~			~~< 10 R~~							
m/p-Cresol	2023-01	ug/L															
m/p-Cresol	2023-03	ug/L					< 10			< 10							
m/p-Cresol	2023-08	ug/L					< 9.62			< 11.4							
m/p-Cresol	2024-08	ug/L					< 10			< 10.9							
m/p-Cresol	2025-08	ug/L	**6.69 J**	**73.9**	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
m/p-Cresol	2025-12	ug/L		< 10.4													
Mercury	2008-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002								
Mercury	2009-03	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002								
Mercury	2010-09	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200										
Mercury	2011-03	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200									
Mercury	2013-09	mg/L								~~< 0.000200~~							
Mercury	2013-11	mg/L								~~< 0.000200 J~~							
Mercury	2014-03	mg/L					< 0.000200			~~< 0.000200~~							
Mercury	2014-06	mg/L								~~< 0.000200~~							
Mercury	2014-09	mg/L					< 0.0002			~~< 0.0002~~							
Mercury	2015-03	mg/L					< 0.0002			< 0.000200							
Mercury	2015-09	mg/L		< 0.0002		< 0.0002	< 0.0002	< 0.0002	< 0.0002								
Mercury	2015-10	mg/L	< 0.0002		< 0.0002					< 0.0002							
Mercury	2016-03	mg/L					< 0.0002			< 0.0002							
Mercury	2016-06	mg/L															
Mercury	2017-03	mg/L					< 0.0002			< 0.0002							
Mercury	2017-08	mg/L					< 0.0002			< 0.0002							
Mercury	2020-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002							
Mercury	2023-01	mg/L															
Mercury	2023-03	mg/L					< 0.0002			< 0.0002							
Mercury	2025-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002							
Methacrylonitrile	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Methacrylonitrile	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Methacrylonitrile	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
Methacrylonitrile	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
Methacrylonitrile	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Methacrylonitrile	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00										
Methacrylonitrile	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00									
Methacrylonitrile	2012-09	ug/L				< 1.00											
Methacrylonitrile	2015-09	ug/L		< 10		< 10	< 10	< 10	< 10								
Methacrylonitrile	2015-10	ug/L	< 10		< 10					< 10							
Methacrylonitrile	2016-03	ug/L					< 10			< 10							
Methacrylonitrile	2016-06	ug/L															
Methacrylonitrile	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10							
Methacrylonitrile	2023-01	ug/L															
Methacrylonitrile	2023-03	ug/L					< 10			< 10							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methacrylonitrile	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10
Methapyrilene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Methapyrilene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methapyrilene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Methapyrilene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Methapyrilene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Methapyrilene	2010-09	ug/L	< 10.0 R	< 10.0 R	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Methapyrilene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Methapyrilene	2012-03	ug/L																
Methapyrilene	2012-09	ug/L																
Methapyrilene	2013-03	ug/L																
Methapyrilene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Methapyrilene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Methapyrilene	2016-03	ug/L			< 11.1	< 11.2												
Methapyrilene	2016-06	ug/L			< 11.4	< 11.4												
Methapyrilene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Methapyrilene	2023-01	ug/L															< 10.9	
Methapyrilene	2023-03	ug/L															< 10.4	
Methapyrilene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Methoxychlor	2008-08	ug/L	< 0.11			< 0.11	< 0.12	< 0.1	< 0.12	< 0.093	< 0.11	< 0.11	< 0.11	< 0.11	< 0.12	< 0.11		< 0.11
Methoxychlor	2008-09	ug/L		< 0.016	< 0.016												< 0.16	
Methoxychlor	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Methoxychlor	2009-07	ug/L			< 0.0320									< 0.0320			< 0.032	
Methoxychlor	2009-09	ug/L			< 0.0320									< 0.036			< 0.032	
Methoxychlor	2010-03	ug/L			< 0.0320									< 0.0320			< 0.0320	
Methoxychlor	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320			< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320		< 0.0320	< 0.0320	< 0.0320	< 0.0320	
Methoxychlor	2011-03	ug/L			< 0.0320				< 0.0320								< 0.0320	
Methoxychlor	2015-09	ug/L	< 0.036	< 0.0356			< 0.0352	< 0.0386			< 0.0337	< 0.0352	< 0.0333	< 0.036		< 0.0356	< 0.0376	
Methoxychlor	2015-10	ug/L							< 0.04	< 0.0372					< 0.0386			< 0.0368
Methoxychlor	2016-03	ug/L			**0.00274 J**	< 0.0356												
Methoxychlor	2016-06	ug/L			< 0.0364	< 0.0364												
Methoxychlor	2020-08	ug/L	< 0.04	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.0416	< 0.0376	< 0.0368	< 0.0386	< 0.0376	< 0.0395	< 0.039	< 0.0381	< 0.04
Methoxychlor	2023-01	ug/L															< 0.0727	
Methoxychlor	2023-03	ug/L															< 0.0667	
Methoxychlor	2025-08	ug/L	< 0.09	< 0.0902	< 0.09	< 0.0954	< 0.0904		< 0.0943	< 0.09	< 0.0904	< 0.0926	< 0.0949	< 0.0904	< 0.0897	< 0.0954		< 0.0959
Methyl Methacrylate	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Methacrylate	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Methacrylate	2009-07	ug/L	< 2	< 2.00		< 2		< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2	< 2	< 2	
Methyl Methacrylate	2009-09	ug/L	< 2	< 2.00		< 2.00		< 2.00	< 2.00	< 10.0	< 2.00	< 2	< 2	< 2	< 2	< 2	< 2	
Methyl Methacrylate	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Methyl Methacrylate	2010-09	ug/L	< 20.0	< 20.0	< 20.0			< 20.0	< 20.0	< 20.0	< 20.0	< 20.0		< 20.0	< 20.0	< 20.0	< 20.0	
Methyl Methacrylate	2011-03	ug/L	< 2.00	< 2.00	< 2.00			< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	
Methyl Methacrylate	2012-09	ug/L														< 2.00		
Methyl Methacrylate	2015-09	ug/L	< 2	< 2			< 2	< 2			< 2	< 2	< 2	< 2		< 2	< 2	
Methyl Methacrylate	2015-10	ug/L							< 2	< 2					< 2			< 2
Methyl Methacrylate	2016-03	ug/L			< 2	< 2												
Methyl Methacrylate	2016-06	ug/L			< 2	< 2												
Methyl Methacrylate	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Methacrylate	2023-01	ug/L															< 2	
Methyl Methacrylate	2023-03	ug/L															< 2	
Methyl Methacrylate	2025-08	ug/L	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		< 2
Methyl Methanesulfonate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Methyl Methanesulfonate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methyl Methanesulfonate	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Methyl Methanesulfonate	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Methyl Methanesulfonate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2

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Table 14
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Methacrylonitrile	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10							
Methapyrilene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Methapyrilene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Methapyrilene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Methapyrilene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Methapyrilene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Methapyrilene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Methapyrilene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Methapyrilene	2012-03	ug/L					< 10.0										
Methapyrilene	2012-09	ug/L					< 10.0										
Methapyrilene	2013-03	ug/L					< 11.8										
Methapyrilene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Methapyrilene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Methapyrilene	2016-03	ug/L					< 10.9			< 11.2							
Methapyrilene	2016-06	ug/L															
Methapyrilene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Methapyrilene	2023-01	ug/L															
Methapyrilene	2023-03	ug/L					< 10			< 10							
Methapyrilene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Methoxychlor	2008-08	ug/L		< 0.093	< 0.1	< 0.11											
Methoxychlor	2008-09	ug/L	< 0.016				< 0.016	< 0.016	< 0.016								
Methoxychlor	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032								
Methoxychlor	2009-07	ug/L					< 0.0320		< 0.0320								
Methoxychlor	2009-09	ug/L					< 0.0320		< 0.0320								
Methoxychlor	2010-03	ug/L					< 0.0320		< 0.0320								
Methoxychlor	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320	< 0.0320										
Methoxychlor	2011-03	ug/L					< 0.0320										
Methoxychlor	2015-09	ug/L		< 0.0352		< 0.0356	< 0.0368	**0.00333 J**	< 0.0352								
Methoxychlor	2015-10	ug/L	< 0.0372		< 0.0356					**0.00279 J**							
Methoxychlor	2016-03	ug/L					< 0.0333			< 0.0356							
Methoxychlor	2016-06	ug/L															
Methoxychlor	2020-08	ug/L	< 0.039	< 0.0376	< 0.0337	< 0.0386	< 0.0438	< 0.0368	< 0.0356	< 0.0352							
Methoxychlor	2023-01	ug/L															
Methoxychlor	2023-03	ug/L					< 0.0696			< 0.064							
Methoxychlor	2025-08	ug/L	< 0.0941	< 0.0928	< 0.0946	< 0.0962	< 0.0911	< 0.09	< 0.0907	< 0.0902							
Methyl Methacrylate	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2								
Methyl Methacrylate	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2								
Methyl Methacrylate	2009-07	ug/L	< 2.00	< 2	< 2	< 2	< 2.00										
Methyl Methacrylate	2009-09	ug/L	< 2.00	< 10.0	< 2.00	< 2.00	< 2.00										
Methyl Methacrylate	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								
Methyl Methacrylate	2010-09	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0										
Methyl Methacrylate	2011-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00									
Methyl Methacrylate	2012-09	ug/L				< 2.00											
Methyl Methacrylate	2015-09	ug/L		< 2		< 2	< 2	< 2	< 2								
Methyl Methacrylate	2015-10	ug/L	< 2		< 2					< 2							
Methyl Methacrylate	2016-03	ug/L					< 2			< 2							
Methyl Methacrylate	2016-06	ug/L															
Methyl Methacrylate	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2							
Methyl Methacrylate	2023-01	ug/L															
Methyl Methacrylate	2023-03	ug/L					< 2			< 2							
Methyl Methacrylate	2025-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2							
Methyl Methanesulfonate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Methyl Methanesulfonate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Methyl Methanesulfonate	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Methyl Methanesulfonate	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Methyl Methanesulfonate	2010-03	ug/L	< 10.0	< 10.0	**0.346 J**	< 10.0	< 10.0	< 10.0	< 10.0								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methyl Methanesulfonate	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Methyl Methanesulfonate	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Methyl Methanesulfonate	2011-09	ug/L																
Methyl Methanesulfonate	2012-03	ug/L																
Methyl Methanesulfonate	2012-09	ug/L																
Methyl Methanesulfonate	2013-03	ug/L																
Methyl Methanesulfonate	2013-09	ug/L																
Methyl Methanesulfonate	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Methyl Methanesulfonate	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Methyl Methanesulfonate	2016-03	ug/L			< 11.1	< 11.2												
Methyl Methanesulfonate	2016-06	ug/L			< 11.4	< 11.4												
Methyl Methanesulfonate	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Methyl Methanesulfonate	2023-01	ug/L															< 10.9	
Methyl Methanesulfonate	2023-03	ug/L															< 10.4	
Methyl Methanesulfonate	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Methyl Parathion	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Methyl Parathion	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methyl Parathion	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Methyl Parathion	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Methyl Parathion	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Methyl Parathion	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Methyl Parathion	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Methyl Parathion	2011-09	ug/L										< 10.0						
Methyl Parathion	2012-03	ug/L																
Methyl Parathion	2012-09	ug/L																
Methyl Parathion	2013-03	ug/L																
Methyl Parathion	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Methyl Parathion	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Methyl Parathion	2016-03	ug/L			< 11.1	< 11.2												
Methyl Parathion	2016-06	ug/L			< 11.4	< 11.4												
Methyl Parathion	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Methyl Parathion	2023-01	ug/L															< 10.9	
Methyl Parathion	2023-03	ug/L															< 10.4	
Methyl Parathion	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Methylene Chloride	2008-08	ug/L	< 10	< 10	< 10	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10
Methylene Chloride	2009-03	ug/L	**7.55**	< 5	< 5	**7.24**	< 5	< 5	< 5	< 5	< 5	**6.04**	< 5	< 5	**5.43**	< 5	< 5	< 5
Methylene Chloride	2009-07	ug/L	< 5	< 5.00		< 5		< 5	< 5	< 5	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5	
Methylene Chloride	2009-09	ug/L	< 5	< 5.00		< 5.00		< 5.00	< 5.00	< 25.0	< 5.00	< 5	< 5	< 5	< 5	< 5	< 5	
Methylene Chloride	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Methylene Chloride	2010-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Methylene Chloride	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 50.0	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Methylene Chloride	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Methylene Chloride	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Methylene Chloride	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Methylene Chloride	2013-03	ug/L	< 5.00	< 5		< 5.00	< 5.00		< 5	< 5	< 5	< 5	< 5	< 5	< 5.00	< 5.00	< 5	< 5
Methylene Chloride	2013-05	ug/L			< 5.00 J			< 5.00 J										
Methylene Chloride	2013-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	**0.187 J**	**0.194 J**
Methylene Chloride	2013-11	ug/L																
Methylene Chloride	2014-03	ug/L	< 5.00 J	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00 J	< 5.00 J	< 5.00 J
Methylene Chloride	2014-06	ug/L																
Methylene Chloride	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2015-03	ug/L	< 5	< 5	< 5.00	< 5.00	< 5.00 J	< 5.00	< 5.00	< 5.00 J	< 5	< 5	< 5.00 J	< 5.00 J	< 5	< 5 J	< 5	< 5.00
Methylene Chloride	2015-09	ug/L	< 5	< 5 J		< 5	< 5	< 5			< 5 J	< 5	< 5	< 5		< 5 J	< 5	
Methylene Chloride	2015-10	ug/L			< 5				< 5	< 5 J					< 5 J			< 5 J
Methylene Chloride	2016-03	ug/L	< 5	< 5 J	< 5	< 5	< 5	< 5 J	< 5	< 5 J	< 5 J	< 5 J	< 5	< 5	< 5	< 5	< 5 J	< 5
Methylene Chloride	2016-06	ug/L			< 5	< 5												

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Table 14
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Methyl Methanesulfonate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Methyl Methanesulfonate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Methyl Methanesulfonate	2011-09	ug/L			< 10.0		< 10.0										
Methyl Methanesulfonate	2012-03	ug/L			< 10.0		< 10.0										
Methyl Methanesulfonate	2012-09	ug/L			< 10.0	< 10.0	< 10.0										
Methyl Methanesulfonate	2013-03	ug/L			< 10.6		< 11.8										
Methyl Methanesulfonate	2013-09	ug/L			< 11.0												
Methyl Methanesulfonate	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Methyl Methanesulfonate	2015-10	ug/L	< 11.8		< 10.3					< 11							
Methyl Methanesulfonate	2016-03	ug/L					< 10.9			< 11.2							
Methyl Methanesulfonate	2016-06	ug/L															
Methyl Methanesulfonate	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Methyl Methanesulfonate	2023-01	ug/L															
Methyl Methanesulfonate	2023-03	ug/L					< 10			< 10							
Methyl Methanesulfonate	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Methyl Parathion	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Methyl Parathion	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Methyl Parathion	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Methyl Parathion	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Methyl Parathion	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Methyl Parathion	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Methyl Parathion	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Methyl Parathion	2011-09	ug/L					< 10.0										
Methyl Parathion	2012-03	ug/L					< 10.0										
Methyl Parathion	2012-09	ug/L					< 10.0										
Methyl Parathion	2013-03	ug/L					< 11.8										
Methyl Parathion	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Methyl Parathion	2015-10	ug/L	< 11.8		< 10.3					< 11							
Methyl Parathion	2016-03	ug/L					**0.877 J**			< 11.2							
Methyl Parathion	2016-06	ug/L															
Methyl Parathion	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Methyl Parathion	2023-01	ug/L															
Methyl Parathion	2023-03	ug/L					< 10			< 10							
Methyl Parathion	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Methylene Chloride	2008-08	ug/L	< 10	< 5	< 5	< 5	< 10	< 10	< 10								
Methylene Chloride	2009-03	ug/L	**5.17**	< 5	**6.07**	**6.19**	< 5	< 5	< 5								
Methylene Chloride	2009-07	ug/L	< 5.00	< 5	< 5	< 5	< 5.00										
Methylene Chloride	2009-09	ug/L	< 5.00	< 25.0	< 5.00	< 5.00	< 5.00										
Methylene Chloride	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Methylene Chloride	2010-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Methylene Chloride	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Methylene Chloride	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Methylene Chloride	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Methylene Chloride	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Methylene Chloride	2013-03	ug/L	< 5	< 5	< 125		< 5.00	< 5	< 5								
Methylene Chloride	2013-05	ug/L															
Methylene Chloride	2013-09	ug/L	**0.319 J**	< 5.00	< 5.00	< 5.00	< 5.00	**0.225 J**	**0.208 J**		< 5.00	< 5.00	< 5.00	< 5.00	**0.185 J**		
Methylene Chloride	2013-11	ug/L									< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Methylene Chloride	2014-03	ug/L	< 5.00 J	< 5.00 J	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00 J	< 5.00		
Methylene Chloride	2014-06	ug/L									**0.701 J**	< 5.00 J	< 5.00 J	< 5.00 J	< 5.00		
Methylene Chloride	2014-09	ug/L	< 5	< 5	< 5 J	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	**0.617 J**		
Methylene Chloride	2015-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5	< 5	< 5		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00 J		
Methylene Chloride	2015-09	ug/L		< 5 J		< 5	< 5	< 5	**0.692 J**								
Methylene Chloride	2015-10	ug/L	< 5 J		< 5					< 5 J	< 5 J	< 5	< 5 J	< 5	< 5 J		
Methylene Chloride	2016-03	ug/L	< 5 J	< 5 J	< 5	< 5 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Methylene Chloride	2016-06	ug/L															

Table 14

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene Chloride	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2017-11	ug/L																
Methylene Chloride	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2018-06	ug/L																
Methylene Chloride	2018-08	ug/L	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Methylene Chloride	2018-09	ug/L					< 5						< 5	< 5				
Methylene Chloride	2018-11	ug/L																
Methylene Chloride	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2020-03	ug/L	< 5	< 5	< 5			< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2020-04	ug/L				< 5	< 5		< 5									
Methylene Chloride	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2021-03	ug/L							< 5	< 5	< 5	< 5						
Methylene Chloride	2021-08	ug/L	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2022-03	ug/L							< 5	< 5	< 5	< 5						
Methylene Chloride	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2023-01	ug/L															< 5	
Methylene Chloride	2023-03	ug/L							< 5	< 5	< 5	< 5					< 5	
Methylene Chloride	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2024-03	ug/L							< 5	< 5	< 5	< 5						
Methylene Chloride	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2025-03	ug/L							< 5	< 5	< 5	< 5						
Methylene Chloride	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	2009-07	ug/L	< 5	< 5.00		< 5		< 5	< 5	< 5	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5	
Naphthalene	2009-09	ug/L	< 5	< 5.00		< 5.00		< 5.00	< 5.00	< 25.0	< 5.00	< 5	< 5	< 5	< 5	< 5	< 5	
Naphthalene	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Naphthalene	2010-09	ug/L	< 5.00	< 5.00	< 5.00			< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	
Naphthalene	2011-03	ug/L	< 5.00	< 5.00	< 5.00			< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	
Naphthalene	2012-09	ug/L														< 5.00		
Naphthalene	2015-09	ug/L	< 5	< 5			< 5	< 5			< 5	< 5	< 5	< 5		< 5	< 5	
Naphthalene	2015-10	ug/L							< 5	< 5					< 5			< 5
Naphthalene	2016-03	ug/L			< 5	< 5												
Naphthalene	2016-06	ug/L			< 5	< 5												
Naphthalene	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	2023-01	ug/L															< 5	
Naphthalene	2023-03	ug/L															< 5	
Naphthalene	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5
Nickel	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**0.06**	~~**0.107**~~	~~**0.158**~~	**0.062**	**0.088**	**0.063**	**0.05**	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	**0.057**	< 0.05	~~**0.101**~~	~~**0.179**~~	**0.065**	**0.08**	**0.069**	< 0.05	< 0.05	**0.061**	< 0.05	< 0.05
Nickel	2009-07	mg/L	< 0.05	**0.062**	< 0.05	< 0.05	**0.051**	< 0.05	~~**0.11**~~	~~**0.16**~~	**0.06**	**0.057**	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	2009-09	mg/L	**0.0533**	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	~~**0.116**~~	~~**0.161**~~	< 0.0500	**0.105**	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	2010-03	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	~~**0.109**~~	~~**0.163**~~	**0.0651**	**0.0651**	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Nickel	2010-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	**0.0644**	< 0.0500	~~**0.116**~~	~~**0.143**~~	**0.0686**	**0.0647**	**0.0542**	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Nickel	2011-03	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	~~**0.0647**~~	~~**0.134**~~	**0.0920**	**0.0686**	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Nickel	2011-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	**0.0597**	< 0.0500	~~**0.0916**~~	~~**0.108**~~	**0.0688**	**0.0568**	**0.0600**	**0.0512**	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Nickel	2012-03	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	~~**0.0838**~~	~~**0.106**~~	**0.0864**	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Nickel	2012-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	~~**0.0814**~~	~~**0.132**~~	**0.0891**	< 0.0500	**0.0664**	**0.0502**	< 0.0500	**0.0787**	< 0.0500	< 0.0500
Nickel	2013-03	mg/L	**0.0313 J**	**0.0279 J**		**0.00740 J**	**0.00979 J**		~~**0.088**~~	~~**0.0831**~~	**0.139**	**0.0468 J**	< 0.05 J	**0.0263 J**	**0.0550**	**0.0277 J**	< 0.05	< 0.05 J
Nickel	2013-05	mg/L			< 0.0500			**0.0229 J**										
Nickel	2013-09	mg/L	**0.0290 J**	**0.0214 J**	< 0.0500	**0.0248 J**	**0.0499 J**	**0.0105 J**	~~**0.0903**~~	~~**0.102**~~	**0.117**	**0.0414 J**	**0.0492 J**	**0.0450 J**	**0.0398 J**	**0.00800 J**	< 0.0500	< 0.0500
Nickel	2013-11	mg/L																
Nickel	2014-03	mg/L	**0.0233 J**	**0.0249 J**	< 0.0500	**0.0210 J**	**0.0253 J**	**0.0241 J**	~~**0.0831**~~	~~**0.214**~~	**0.0716**	**0.0501**	**0.0630**	**0.0525**	**0.0499 J**	**0.0278 J**	< 0.0500	**0.00435 J**

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Methylene Chloride	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Methylene Chloride	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Methylene Chloride	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Methylene Chloride	2017-11	ug/L														< 5	**0.45 J**
Methylene Chloride	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2018-06	ug/L														< 5	< 5
Methylene Chloride	2018-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5			
Methylene Chloride	2018-09	ug/L													< 5	< 5	< 5
Methylene Chloride	2018-11	ug/L														< 5	< 5
Methylene Chloride	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2020-03	ug/L	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5
Methylene Chloride	2020-04	ug/L			< 5									< 5			
Methylene Chloride	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Methylene Chloride	2021-03	ug/L		< 5			< 5			< 5							
Methylene Chloride	2021-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Methylene Chloride	2022-03	ug/L		< 5			< 5			< 5							
Methylene Chloride	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Methylene Chloride	2023-01	ug/L															
Methylene Chloride	2023-03	ug/L		< 5			< 5			< 5							
Methylene Chloride	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Methylene Chloride	2024-03	ug/L		< 5			< 5			< 5							
Methylene Chloride	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Methylene Chloride	2025-03	ug/L		< 5			< 5			< 5							
Methylene Chloride	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
Naphthalene	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5								
Naphthalene	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5								
Naphthalene	2009-07	ug/L	< 5.00	< 5	< 5	< 5	< 5.00										
Naphthalene	2009-09	ug/L	< 5.00	< 25.0	< 5.00	< 5.00	< 5.00										
Naphthalene	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
Naphthalene	2010-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00										
Naphthalene	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00									
Naphthalene	2012-09	ug/L				< 5.00											
Naphthalene	2015-09	ug/L		< 5		< 5	< 5	< 5	< 5								
Naphthalene	2015-10	ug/L	< 5		< 5					< 5							
Naphthalene	2016-03	ug/L					< 5			< 5							
Naphthalene	2016-06	ug/L															
Naphthalene	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5							
Naphthalene	2023-01	ug/L															
Naphthalene	2023-03	ug/L					< 5			< 5							
Naphthalene	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5							
Nickel	2008-08	mg/L	< 0.05	**0.083**	**0.096**	< 0.05	< 0.05	< 0.05	< 0.05								
Nickel	2009-03	mg/L	< 0.05	**0.105**	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05								
Nickel	2009-07	mg/L	**0.05**	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05								
Nickel	2009-09	mg/L	< 0.0500	**0.167**	< 0.0500	< 0.0500	< 0.0500	< 0.0500									
Nickel	2010-03	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500								
Nickel	2010-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500								
Nickel	2011-03	mg/L	< 0.0500	< 0.0500	**0.0799**	< 0.0500	< 0.0500	< 0.0500	< 0.0500								
Nickel	2011-09	mg/L	< 0.0500	< 0.0500	**0.0582**	< 0.0500	< 0.0500	< 0.0500	< 0.0500								
Nickel	2012-03	mg/L	< 0.0500	< 0.0500	**0.0952**	< 0.0500	< 0.0500	< 0.0500	< 0.0500								
Nickel	2012-09	mg/L	< 0.0500	< 0.0500	**0.0995**	**0.126**	< 0.0500	< 0.0500	< 0.0500								
Nickel	2013-03	mg/L	**0.0236 J**	**0.0533**	**0.0769**		**0.00215 J**	< 0.05 J	< 0.05								
Nickel	2013-05	mg/L															
Nickel	2013-09	mg/L	**0.0193 J**	< 0.0500 J	**0.0325 J**	**0.0443 J**	**0.00743 J**	< 0.0500	< 0.0500	~~< 0.0500~~	< 0.0500	**0.00790 J**	**0.0333 J**	**0.0420 J**	**0.00271 J**		
Nickel	2013-11	mg/L								**~~0.00309 J~~**	**0.00230 J**	< 0.0500	**0.0488 J**	**0.00801 J**	**0.00244 J**		
Nickel	2014-03	mg/L	**0.0123 J**	**0.0238 J**	**0.0813**	**0.0663**	< 0.0500 J	**0.0134 J**	< 0.0500	~~< 0.0500~~	< 0.0500 J	< 0.0500	**0.0343 J**	< 0.0500	< 0.0500 J		

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Nickel	2014-06	mg/L																
Nickel	2014-09	mg/L	0.0272	0.0246	0.000967 J	0.0287	0.0464	0.0119	~~0.0872~~	~~0.183~~	0.101	0.0405	0.0436	0.0373	0.0387	0.0175	0.00167 J	0.000654 J
Nickel	2015-03	mg/L	0.0251	0.033	0.00126 J	0.0195	0.0214	0.0228	0.0837	~~0.0507~~	0.0544	0.0254	0.0263	0.0377	0.0393	0.00777	< 0.005	< 0.00500
Nickel	2015-09	mg/L	0.032	0.0236		0.0215	0.00866	0.0207			0.084	0.0219	0.0312	0.0312		0.0108	< 0.005	
Nickel	2015-10	mg/L			0.00205 J				0.0802	~~0.0456~~					0.0318			< 0.005
Nickel	2016-03	mg/L	0.0267	0.023	< 0.005	0.0274	0.0211	0.0168	0.0724	~~0.0119~~	0.132	0.023	0.0102	0.0159	0.0245	0.0102	< 0.005	< 0.005
Nickel	2016-06	mg/L			< 0.005	0.0242												
Nickel	2016-08	mg/L	0.0266	0.0197	< 0.005	0.045	0.0161	0.0216	0.0716	0.0134	0.12	0.0177	0.0888	0.0257	0.0203	0.0123	< 0.005	< 0.005
Nickel	2017-03	mg/L	0.0547	0.0224	< 0.005	0.0239	0.0141	0.0236	0.0802	0.0113	0.066	0.0174	0.0149	0.0269	0.0275	0.00475 J	< 0.005	< 0.005
Nickel	2017-08	mg/L	0.035	0.0178	< 0.005	0.0341	0.0123	0.0229	0.0604	0.0227	0.0957	0.0114	0.0306	0.0452	0.0257	0.00656	< 0.005	< 0.005
Nickel	2017-11	mg/L																
Nickel	2018-03	mg/L	0.0286	0.0226	< 0.005	0.0199	0.00975	0.0189	0.0662	0.0358	0.104	0.0218	0.0236	0.0345	0.0255	0.00836	< 0.005	< 0.005
Nickel	2018-06	mg/L																
Nickel	2018-08	mg/L	0.0268	0.0177	0.00217 J	0.0305		0.0175	0.0644	0.02	0.0679	0.00855			0.0214	0.0105	< 0.005	< 0.005
Nickel	2018-09	mg/L					0.00894						0.0407	0.0412				
Nickel	2018-11	mg/L																
Nickel	2019-03	mg/L	0.0161	0.0167	< 0.005	0.0371	0.0124	0.0213	0.0781	0.0329	0.0554	0.015	0.00514	0.0134	0.00715	0.0132	< 0.005	< 0.005
Nickel	2019-08	mg/L	0.0231	0.0133	< 0.005	0.0592	0.0164	0.0153 J	0.0465	0.0423	0.0286	0.00801	0.0197	0.0451	0.0234	0.0034 J	< 0.005	< 0.005
Nickel	2020-03	mg/L	0.0338	0.014	< 0.005			0.0178		0.0133	0.0206	0.0148	0.00471 J	0.0417	0.0213	0.00271 J	< 0.005	< 0.005
Nickel	2020-04	mg/L				0.0342	0.0212		0.0599									
Nickel	2020-08	mg/L	0.0265	0.0144	< 0.005	0.0514	0.017	0.0197	0.0614	0.0133	0.0862	0.00917	0.0297	0.0682	0.0266	0.00617	< 0.005	< 0.005
Nickel	2021-03	mg/L							0.0753	0.0214	0.038	0.0177						
Nickel	2021-08	mg/L	0.0483	0.0142	< 0.005	0.0242	0.0112	0.00828	0.0691	0.0264	0.0348	0.0154	0.0252	0.0646	0.0316	0.0272	< 0.005	< 0.005
Nickel	2022-03	mg/L							0.0623	0.0508	0.0592	0.0203						
Nickel	2022-08	mg/L	0.0312 J	0.0127	< 0.005	0.0513	0.00671		0.063	0.0111	0.0804	0.00795	0.0233	0.0491	0.0276	0.00723	< 0.005	< 0.005
Nickel	2023-01	mg/L															< 0.005	
Nickel	2023-03	mg/L							0.0828	0.0117	0.0182	0.00967					< 0.005	
Nickel	2023-08	mg/L	0.0332	0.0145	< 0.005	0.0223	0.0083		0.0682	0.0132	0.0452	0.013	0.0218	0.0573	0.0291	0.00782	< 0.005	< 0.005
Nickel	2024-03	mg/L							0.076	0.0147	0.0898	0.0109						
Nickel	2024-08	mg/L	0.0246	0.0132	< 0.005	0.0894	0.0107		0.0822	0.0118	0.0293	0.00784	0.0193	0.0275	0.0128	0.00758	< 0.005	< 0.005
Nickel	2025-03	mg/L							0.0118	0.0119	0.0391	0.0105						
Nickel	2025-08	mg/L	0.0275	0.0154	< 0.005	0.126	0.0089		0.08	0.0118	0.0238	0.0143	0.0133	0.0218	0.0199	0.0536	< 0.005	< 0.005
Nitrobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Nitrobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Nitrobenzene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Nitrobenzene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Nitrobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	0.221 J	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Nitrobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Nitrobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Nitrobenzene	2011-09	ug/L																
Nitrobenzene	2012-03	ug/L					< 10.0											
Nitrobenzene	2012-09	ug/L					< 10.0											
Nitrobenzene	2013-03	ug/L					< 11.0											
Nitrobenzene	2013-09	ug/L					< 10.4											
Nitrobenzene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Nitrobenzene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Nitrobenzene	2016-03	ug/L			< 11.1	< 11.2												
Nitrobenzene	2016-06	ug/L			< 11.4	< 11.4												
Nitrobenzene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Nitrobenzene	2023-01	ug/L															< 10.9	
Nitrobenzene	2023-03	ug/L															< 10.4	
Nitrobenzene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
N-Nitrosodiethylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
N-Nitrosodiethylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosodiethylamine	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
N-Nitrosodiethylamine	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Nickel	2014-06	mg/L								~~< 0.0500~~	< 0.0500	< 0.0500	**0.0331 J**	**0.00908 J**	< 0.0500		
Nickel	2014-09	mg/L	**0.017**	**0.0154**	**0.0384**	**0.0262**	**0.0522**	**0.00632**	**0.000644 J**	~~< 0.005~~	**0.00143 J**	**0.0022 J**	**0.0322**	**0.0242**	**0.000798 J**		
Nickel	2015-03	mg/L	**0.0125**	**0.0708**	**0.0594**	**0.0225**	**0.00403 J**	**0.00521**	< 0.005	**0.00519**	**0.00118 J**	**0.000918 J**	**0.0222**	**0.00420 J**	**0.000997 J**		
Nickel	2015-09	mg/L		**0.0185**		**0.0274**	**0.00776**	< 0.005 J	< 0.005								
Nickel	2015-10	mg/L	**0.034**		**0.0663**					**0.000643 J**	**0.00158 J**	**0.000897 J**	**0.0364**	**0.0279**	**0.00103 J**		
Nickel	2016-03	mg/L	**0.0346**	**0.0165**	**0.0469**	**0.027**	**0.00924**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.0287**	**0.0164**	< 0.005		
Nickel	2016-06	mg/L															
Nickel	2016-08	mg/L	**0.0197**	**0.0162**	**0.0403**	**0.0249**	**0.00233 J**	**0.00288 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.029**	**0.0486**	< 0.005		
Nickel	2017-03	mg/L	**0.0263**	**0.0165**	**0.0415**	**0.0315**	**0.00337 J**	**0.000954 J**	< 0.005	< 0.005	**0.00104 J**	**0.00153 J**	**0.0323**	**0.0221**	< 0.005		
Nickel	2017-08	mg/L	**0.0132**	**0.015**	**0.0458**	**0.0241**	**0.00472 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.00106 J**	**0.034**	**0.0329**	**0.00538**		
Nickel	2017-11	mg/L														**0.00334 J**	**0.00542**
Nickel	2018-03	mg/L	**0.0219**	**0.0987**	**0.0938**	**0.0332**	**0.00366 J**	**0.0012 J**	< 0.005	< 0.005	**0.000933 J**	< 0.005	**0.0318**	**0.00567**	**0.00213 J**	**0.00474 J**	**0.00392 J**
Nickel	2018-06	mg/L														**0.002 J**	**0.00237 J**
Nickel	2018-08	mg/L	**0.0157**	**0.0171**	**0.0537**	**0.0327**	~~**0.00548**~~	< 0.005	< 0.005	< 0.005		**0.00121 J**	**0.0424**	**0.0175**			
Nickel	2018-09	mg/L													**0.00234 J**	**0.00451 J**	**0.00172 J**
Nickel	2018-11	mg/L														**0.00126 J**	**0.00164 J**
Nickel	2019-03	mg/L	**0.0385**	**0.0105**	**0.0345**	**0.0304**	**0.00218 J**	< 0.005	< 0.005	< 0.005		< 0.005	**0.034**	**0.00254 J**	< 0.005	< 0.005	< 0.005
Nickel	2019-08	mg/L	**0.00886**	**0.0127**	**0.039**	**0.0271**	**0.00186 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.039**	**0.0997**	**0.00318 J**	**0.00349 J**	**0.00187 J**
Nickel	2020-03	mg/L	**0.0254**	**0.0242**		**0.0357**	**0.00229 J**	**0.00197 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.0343**		< 0.005	**0.00266 J**	**0.00327 J**
Nickel	2020-04	mg/L			**0.0385**									**0.0104**			
Nickel	2020-08	mg/L	**0.00547**	**0.013**	**0.0469**	**0.0266**	**0.00216 J**	< 0.005	< 0.005	< 0.005			**0.0346**	**0.0554**	**0.00353 J**		< 0.005
Nickel	2021-03	mg/L		**0.0832**			**0.00218 J**			< 0.005							
Nickel	2021-08	mg/L	**0.053**	**0.0137**	**0.0716**	**0.024**	**0.00228 J**	< 0.005	< 0.005	< 0.005			**0.0262**	**0.0522**	**0.0189**		< 0.005
Nickel	2022-03	mg/L		**0.397**			**0.00198 J**			< 0.005							
Nickel	2022-08	mg/L	**0.00932**	**0.022**	**0.0554**	**0.0236**	< 0.005	< 0.005	< 0.005	< 0.005			**0.0202**	**0.0505**	**0.0187**		< 0.005
Nickel	2023-01	mg/L															
Nickel	2023-03	mg/L		**0.0285**			< 0.005			~~**0.00534**~~							
Nickel	2023-08	mg/L	**0.0118**	**0.02**	**0.064**	**0.0249**	< 0.005	< 0.005	< 0.005	**0.00207 J**			**0.0134**	**0.0168**	**0.0109**		< 0.005
Nickel	2024-03	mg/L		**0.0355**			< 0.005			**0.00201 J**							
Nickel	2024-08	mg/L	**0.0257**	**0.0766**	**0.0471**	**0.0278**	< 0.005	< 0.005	< 0.005	**0.00231 J**			**0.0117**	**0.0555**	**0.0103**		< 0.005
Nickel	2025-03	mg/L		**0.0847**			< 0.005			**0.00277 J**							
Nickel	2025-08	mg/L	**0.029**	**0.0517**	**0.0462**	**0.0243**	**0.00343 J**	**0.0121**	< 0.005	< 0.005			**0.00831**	**0.0434**	**0.00393 J**		< 0.005
Nitrobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Nitrobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Nitrobenzene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Nitrobenzene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Nitrobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Nitrobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Nitrobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	**0.226 J**	< 10.0									
Nitrobenzene	2011-09	ug/L					< 10.0										
Nitrobenzene	2012-03	ug/L					< 10.0										
Nitrobenzene	2012-09	ug/L					< 10.0										
Nitrobenzene	2013-03	ug/L					< 11.8										
Nitrobenzene	2013-09	ug/L					< 10.6										
Nitrobenzene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Nitrobenzene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Nitrobenzene	2016-03	ug/L					< 10.9			< 11.2							
Nitrobenzene	2016-06	ug/L															
Nitrobenzene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Nitrobenzene	2023-01	ug/L															
Nitrobenzene	2023-03	ug/L					< 10			< 10							
Nitrobenzene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
N-Nitrosodiethylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
N-Nitrosodiethylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
N-Nitrosodiethylamine	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
N-Nitrosodiethylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
N-Nitrosodiethylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
N-Nitrosodiethylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
N-Nitrosodiethylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
N-Nitrosodiethylamine	2012-09	ug/L																
N-Nitrosodiethylamine	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
N-Nitrosodiethylamine	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
N-Nitrosodiethylamine	2016-03	ug/L			< 11.1	< 11.2												
N-Nitrosodiethylamine	2016-06	ug/L			< 11.4	< 11.4												
N-Nitrosodiethylamine	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
N-Nitrosodiethylamine	2023-01	ug/L															< 10.9	
N-Nitrosodiethylamine	2023-03	ug/L															< 10.4	
N-Nitrosodiethylamine	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
N-Nitrosodimethylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
N-Nitrosodimethylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosodimethylamine	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
N-Nitrosodimethylamine	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
N-Nitrosodimethylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
N-Nitrosodimethylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
N-Nitrosodimethylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
N-Nitrosodimethylamine	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
N-Nitrosodimethylamine	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
N-Nitrosodimethylamine	2016-03	ug/L			< 11.1	< 11.2												
N-Nitrosodimethylamine	2016-06	ug/L			< 11.4	< 11.4												
N-Nitrosodimethylamine	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
N-Nitrosodimethylamine	2023-01	ug/L															< 10.9	
N-Nitrosodimethylamine	2023-03	ug/L															< 10.4	
N-Nitrosodimethylamine	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
N-Nitrosodi-n-butylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
N-Nitrosodi-n-butylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosodi-n-butylamine	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
N-Nitrosodi-n-butylamine	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
N-Nitrosodi-n-butylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
N-Nitrosodi-n-butylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
N-Nitrosodi-n-butylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
N-Nitrosodi-n-butylamine	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
N-Nitrosodi-n-butylamine	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
N-Nitrosodi-n-butylamine	2016-03	ug/L			< 11.1	< 11.2												
N-Nitrosodi-n-butylamine	2016-06	ug/L			< 11.4	< 11.4												
N-Nitrosodi-n-butylamine	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
N-Nitrosodi-n-butylamine	2023-01	ug/L															< 10.9	
N-Nitrosodi-n-butylamine	2023-03	ug/L															< 10.4	
N-Nitrosodi-n-butylamine	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
N-Nitrosodi-n-propylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
N-Nitrosodi-n-propylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosodi-n-propylamine	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
N-Nitrosodi-n-propylamine	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
N-Nitrosodi-n-propylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
N-Nitrosodi-n-propylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
N-Nitrosodi-n-propylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
N-Nitrosodi-n-propylamine	2011-09	ug/L																
N-Nitrosodi-n-propylamine	2012-03	ug/L																
N-Nitrosodi-n-propylamine	2012-09	ug/L																
N-Nitrosodi-n-propylamine	2013-03	ug/L																
N-Nitrosodi-n-propylamine	2013-09	ug/L																
N-Nitrosodi-n-propylamine	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
N-Nitrosodi-n-propylamine	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8

Table 14

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
N-Nitrosodiethylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
N-Nitrosodiethylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
N-Nitrosodiethylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
N-Nitrosodiethylamine	2012-09	ug/L		< 10.0													
N-Nitrosodiethylamine	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
N-Nitrosodiethylamine	2015-10	ug/L	< 11.8		< 10.3					< 11							
N-Nitrosodiethylamine	2016-03	ug/L					< 10.9			< 11.2							
N-Nitrosodiethylamine	2016-06	ug/L															
N-Nitrosodiethylamine	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
N-Nitrosodiethylamine	2023-01	ug/L															
N-Nitrosodiethylamine	2023-03	ug/L					< 10			< 10							
N-Nitrosodiethylamine	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
N-Nitrosodimethylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
N-Nitrosodimethylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
N-Nitrosodimethylamine	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
N-Nitrosodimethylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
N-Nitrosodimethylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
N-Nitrosodimethylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
N-Nitrosodimethylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
N-Nitrosodimethylamine	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
N-Nitrosodimethylamine	2015-10	ug/L	< 11.8		< 10.3					< 11							
N-Nitrosodimethylamine	2016-03	ug/L					< 10.9			< 11.2							
N-Nitrosodimethylamine	2016-06	ug/L															
N-Nitrosodimethylamine	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
N-Nitrosodimethylamine	2023-01	ug/L															
N-Nitrosodimethylamine	2023-03	ug/L					< 10			< 10							
N-Nitrosodimethylamine	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
N-Nitrosodi-n-butylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
N-Nitrosodi-n-butylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
N-Nitrosodi-n-butylamine	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
N-Nitrosodi-n-butylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
N-Nitrosodi-n-butylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
N-Nitrosodi-n-butylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
N-Nitrosodi-n-butylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
N-Nitrosodi-n-butylamine	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
N-Nitrosodi-n-butylamine	2015-10	ug/L	< 11.8		< 10.3					< 11							
N-Nitrosodi-n-butylamine	2016-03	ug/L					< 10.9			< 11.2							
N-Nitrosodi-n-butylamine	2016-06	ug/L															
N-Nitrosodi-n-butylamine	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
N-Nitrosodi-n-butylamine	2023-01	ug/L															
N-Nitrosodi-n-butylamine	2023-03	ug/L					< 10			< 10							
N-Nitrosodi-n-butylamine	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
N-Nitrosodi-n-propylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
N-Nitrosodi-n-propylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
N-Nitrosodi-n-propylamine	2009-07	ug/L	< 10.0	**0.974 J**	< 10	< 10	< 10.0	< 11.4	< 10.0								
N-Nitrosodi-n-propylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
N-Nitrosodi-n-propylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
N-Nitrosodi-n-propylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
N-Nitrosodi-n-propylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
N-Nitrosodi-n-propylamine	2011-09	ug/L		< 10.0			< 10.0										
N-Nitrosodi-n-propylamine	2012-03	ug/L		< 10.0			< 10.0										
N-Nitrosodi-n-propylamine	2012-09	ug/L		< 10.0			< 10.0										
N-Nitrosodi-n-propylamine	2013-03	ug/L		< 10.5			< 11.8										
N-Nitrosodi-n-propylamine	2013-09	ug/L		< 10.1													
N-Nitrosodi-n-propylamine	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
N-Nitrosodi-n-propylamine	2015-10	ug/L	< 11.8		< 10.3					< 11							

Table 14

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
N-Nitrosodi-n-propylamine	2016-03	ug/L			< 11.1	< 11.2												
N-Nitrosodi-n-propylamine	2016-06	ug/L			< 11.4	< 11.4												
N-Nitrosodi-n-propylamine	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
N-Nitrosodi-n-propylamine	2023-01	ug/L															< 10.9	
N-Nitrosodi-n-propylamine	2023-03	ug/L															< 10.4	
N-Nitrosodi-n-propylamine	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
N-Nitrosodiphenylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
N-Nitrosodiphenylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosodiphenylamine	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
N-Nitrosodiphenylamine	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
N-Nitrosodiphenylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
N-Nitrosodiphenylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
N-Nitrosodiphenylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
N-Nitrosodiphenylamine	2011-09	ug/L																
N-Nitrosodiphenylamine	2012-03	ug/L																
N-Nitrosodiphenylamine	2012-09	ug/L																
N-Nitrosodiphenylamine	2013-03	ug/L																
N-Nitrosodiphenylamine	2013-09	ug/L																
N-Nitrosodiphenylamine	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
N-Nitrosodiphenylamine	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
N-Nitrosodiphenylamine	2016-03	ug/L			< 11.1	< 11.2												
N-Nitrosodiphenylamine	2016-06	ug/L			< 11.4	< 11.4												
N-Nitrosodiphenylamine	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
N-Nitrosodiphenylamine	2023-01	ug/L															< 10.9	
N-Nitrosodiphenylamine	2023-03	ug/L															< 10.4	
N-Nitrosodiphenylamine	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
N-Nitrosomethylethylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
N-Nitrosomethylethylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosomethylethylamine	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
N-Nitrosomethylethylamine	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
N-Nitrosomethylethylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
N-Nitrosomethylethylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
N-Nitrosomethylethylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
N-Nitrosomethylethylamine	2012-03	ug/L																
N-Nitrosomethylethylamine	2012-09	ug/L																
N-Nitrosomethylethylamine	2013-03	ug/L																
N-Nitrosomethylethylamine	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
N-Nitrosomethylethylamine	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
N-Nitrosomethylethylamine	2016-03	ug/L			< 11.1	< 11.2												
N-Nitrosomethylethylamine	2016-06	ug/L			< 11.4	< 11.4												
N-Nitrosomethylethylamine	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
N-Nitrosomethylethylamine	2023-01	ug/L															< 10.9	
N-Nitrosomethylethylamine	2023-03	ug/L															< 10.4	
N-Nitrosomethylethylamine	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
N-Nitrosopiperidine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
N-Nitrosopiperidine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosopiperidine	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
N-Nitrosopiperidine	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
N-Nitrosopiperidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
N-Nitrosopiperidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
N-Nitrosopiperidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
N-Nitrosopiperidine	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
N-Nitrosopiperidine	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
N-Nitrosopiperidine	2016-03	ug/L			< 11.1	< 11.2												
N-Nitrosopiperidine	2016-06	ug/L			< 11.4	< 11.4												
N-Nitrosopiperidine	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
N-Nitrosodi-n-propylamine	2016-03	ug/L					< 10.9			< 11.2							
N-Nitrosodi-n-propylamine	2016-06	ug/L															
N-Nitrosodi-n-propylamine	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
N-Nitrosodi-n-propylamine	2023-01	ug/L															
N-Nitrosodi-n-propylamine	2023-03	ug/L					< 10			< 10							
N-Nitrosodi-n-propylamine	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
N-Nitrosodiphenylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
N-Nitrosodiphenylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
N-Nitrosodiphenylamine	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
N-Nitrosodiphenylamine	2009-09	ug/L	< 10.0	**0.557 J**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
N-Nitrosodiphenylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
N-Nitrosodiphenylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
N-Nitrosodiphenylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
N-Nitrosodiphenylamine	2011-09	ug/L		< 10.0			< 10.0										
N-Nitrosodiphenylamine	2012-03	ug/L		< 10.0			< 10.0										
N-Nitrosodiphenylamine	2012-09	ug/L				< 10.0	< 10.0										
N-Nitrosodiphenylamine	2013-03	ug/L		< 10.5			< 11.8										
N-Nitrosodiphenylamine	2013-09	ug/L		< 10.1													
N-Nitrosodiphenylamine	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
N-Nitrosodiphenylamine	2015-10	ug/L	< 11.8		< 10.3					< 11							
N-Nitrosodiphenylamine	2016-03	ug/L					< 10.9			< 11.2							
N-Nitrosodiphenylamine	2016-06	ug/L															
N-Nitrosodiphenylamine	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
N-Nitrosodiphenylamine	2023-01	ug/L															
N-Nitrosodiphenylamine	2023-03	ug/L					< 10			< 10							
N-Nitrosodiphenylamine	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
N-Nitrosomethylethylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
N-Nitrosomethylethylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
N-Nitrosomethylethylamine	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
N-Nitrosomethylethylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
N-Nitrosomethylethylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
N-Nitrosomethylethylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
N-Nitrosomethylethylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
N-Nitrosomethylethylamine	2012-03	ug/L					< 10.0										
N-Nitrosomethylethylamine	2012-09	ug/L					< 10.0										
N-Nitrosomethylethylamine	2013-03	ug/L					< 11.8										
N-Nitrosomethylethylamine	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
N-Nitrosomethylethylamine	2015-10	ug/L	< 11.8		< 10.3					< 11							
N-Nitrosomethylethylamine	2016-03	ug/L					< 10.9			< 11.2							
N-Nitrosomethylethylamine	2016-06	ug/L															
N-Nitrosomethylethylamine	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
N-Nitrosomethylethylamine	2023-01	ug/L															
N-Nitrosomethylethylamine	2023-03	ug/L					< 10			< 10							
N-Nitrosomethylethylamine	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
N-Nitrosopiperidine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
N-Nitrosopiperidine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
N-Nitrosopiperidine	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
N-Nitrosopiperidine	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
N-Nitrosopiperidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
N-Nitrosopiperidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
N-Nitrosopiperidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
N-Nitrosopiperidine	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
N-Nitrosopiperidine	2015-10	ug/L	< 11.8		< 10.3					< 11							
N-Nitrosopiperidine	2016-03	ug/L					< 10.9			< 11.2							
N-Nitrosopiperidine	2016-06	ug/L															
N-Nitrosopiperidine	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
N-Nitrosopiperidine	2023-01	ug/L															< 10.9	
N-Nitrosopiperidine	2023-03	ug/L															< 10.4	
N-Nitrosopiperidine	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
N-Nitrosopyrrolidine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
N-Nitrosopyrrolidine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosopyrrolidine	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
N-Nitrosopyrrolidine	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
N-Nitrosopyrrolidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
N-Nitrosopyrrolidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
N-Nitrosopyrrolidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
N-Nitrosopyrrolidine	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
N-Nitrosopyrrolidine	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
N-Nitrosopyrrolidine	2016-03	ug/L			< 11.1	< 11.2												
N-Nitrosopyrrolidine	2016-06	ug/L			< 11.4	< 11.4												
N-Nitrosopyrrolidine	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
N-Nitrosopyrrolidine	2023-01	ug/L															< 10.9	
N-Nitrosopyrrolidine	2023-03	ug/L															< 10.4	
N-Nitrosopyrrolidine	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
o,o,o-Triethylphosphorothioate	2008-08	ug/L	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 33.3	< 30	< 30	< 30	< 30	< 30	< 33.3	< 30
o,o,o-Triethylphosphorothioate	2009-03	ug/L	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
o,o,o-Triethylphosphorothioate	2009-07	ug/L	< 30	< 30.0	< 30.0	< 30		< 30		< 30			< 30.0		< 30	< 30	< 30	< 30
o,o,o-Triethylphosphorothioate	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
o,o,o-Triethylphosphorothioate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
o,o,o-Triethylphosphorothioate	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
o,o,o-Triethylphosphorothioate	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
o,o,o-Triethylphosphorothioate	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
o,o,o-Triethylphosphorothioate	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
o,o,o-Triethylphosphorothioate	2016-03	ug/L			< 11.1	< 11.2												
o,o,o-Triethylphosphorothioate	2016-06	ug/L			< 11.4	< 11.4												
o,o,o-Triethylphosphorothioate	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
o,o,o-Triethylphosphorothioate	2023-01	ug/L															< 10.9	
o,o,o-Triethylphosphorothioate	2023-03	ug/L															< 10.4	
o,o,o-Triethylphosphorothioate	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
o-Toluidine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
o-Toluidine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
o-Toluidine	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
o-Toluidine	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
o-Toluidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
o-Toluidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
o-Toluidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
o-Toluidine	2011-09	ug/L																
o-Toluidine	2012-03	ug/L																
o-Toluidine	2012-09	ug/L																
o-Toluidine	2013-03	ug/L																
o-Toluidine	2013-09	ug/L																
o-Toluidine	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
o-Toluidine	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
o-Toluidine	2016-03	ug/L			< 11.1	< 11.2												
o-Toluidine	2016-06	ug/L			< 11.4	< 11.4												
o-Toluidine	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
o-Toluidine	2023-01	ug/L															< 10.9	
o-Toluidine	2023-03	ug/L															< 10.4	
o-Toluidine	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
p-(Dimethylamino)azobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
p-(Dimethylamino)azobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
p-(Dimethylamino)azobenzene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
N-Nitrosopiperidine	2023-01	ug/L															
N-Nitrosopiperidine	2023-03	ug/L					< 10			< 10							
N-Nitrosopiperidine	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
N-Nitrosopyrrolidine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
N-Nitrosopyrrolidine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
N-Nitrosopyrrolidine	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
N-Nitrosopyrrolidine	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
N-Nitrosopyrrolidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
N-Nitrosopyrrolidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
N-Nitrosopyrrolidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
N-Nitrosopyrrolidine	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
N-Nitrosopyrrolidine	2015-10	ug/L	< 11.8		< 10.3					< 11							
N-Nitrosopyrrolidine	2016-03	ug/L					< 10.9			< 11.2							
N-Nitrosopyrrolidine	2016-06	ug/L															
N-Nitrosopyrrolidine	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
N-Nitrosopyrrolidine	2023-01	ug/L															
N-Nitrosopyrrolidine	2023-03	ug/L					< 10			< 10							
N-Nitrosopyrrolidine	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
o,o,o-Triethylphosphorothioate	2008-08	ug/L	< 30	< 30	< 30	< 30	< 30	< 33.3	< 30								
o,o,o-Triethylphosphorothioate	2009-03	ug/L	< 30	< 30	< 30	< 30	< 30	< 30	< 30								
o,o,o-Triethylphosphorothioate	2009-07	ug/L	< 30.0	< 30	< 30	< 30	< 30.0	< 34.1	< 30.0								
o,o,o-Triethylphosphorothioate	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
o,o,o-Triethylphosphorothioate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
o,o,o-Triethylphosphorothioate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
o,o,o-Triethylphosphorothioate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
o,o,o-Triethylphosphorothioate	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
o,o,o-Triethylphosphorothioate	2015-10	ug/L	< 11.8		< 10.3					< 11							
o,o,o-Triethylphosphorothioate	2016-03	ug/L					< 10.9			< 11.2							
o,o,o-Triethylphosphorothioate	2016-06	ug/L															
o,o,o-Triethylphosphorothioate	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
o,o,o-Triethylphosphorothioate	2023-01	ug/L															
o,o,o-Triethylphosphorothioate	2023-03	ug/L					< 10			< 10							
o,o,o-Triethylphosphorothioate	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
o-Toluidine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
o-Toluidine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
o-Toluidine	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
o-Toluidine	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
o-Toluidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
o-Toluidine	2010-09	ug/L	< 10.0	**0.314 J**	< 10.0	< 10.0	< 10.0										
o-Toluidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
o-Toluidine	2011-09	ug/L		< 10.0			< 10.0										
o-Toluidine	2012-03	ug/L		< 10.0			< 10.0										
o-Toluidine	2012-09	ug/L				< 10.0	< 10.0										
o-Toluidine	2013-03	ug/L		< 10.5			< 11.8										
o-Toluidine	2013-09	ug/L		< 10.1													
o-Toluidine	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
o-Toluidine	2015-10	ug/L	< 11.8		< 10.3					< 11							
o-Toluidine	2016-03	ug/L					< 10.9			< 11.2							
o-Toluidine	2016-06	ug/L															
o-Toluidine	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
o-Toluidine	2023-01	ug/L															
o-Toluidine	2023-03	ug/L					< 10			< 10							
o-Toluidine	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
p-(Dimethylamino)azobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
p-(Dimethylamino)azobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
p-(Dimethylamino)azobenzene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-(Dimethylamino)azobenzene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
p-(Dimethylamino)azobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
p-(Dimethylamino)azobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
p-(Dimethylamino)azobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
p-(Dimethylamino)azobenzene	2012-09	ug/L																
p-(Dimethylamino)azobenzene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
p-(Dimethylamino)azobenzene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
p-(Dimethylamino)azobenzene	2016-03	ug/L			< 11.1	< 11.2												
p-(Dimethylamino)azobenzene	2016-06	ug/L			< 11.4	< 11.4												
p-(Dimethylamino)azobenzene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
p-(Dimethylamino)azobenzene	2023-01	ug/L															< 10.9	
p-(Dimethylamino)azobenzene	2023-03	ug/L															< 10.4	
p-(Dimethylamino)azobenzene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Parathion	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Parathion	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Parathion	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Parathion	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Parathion	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Parathion	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	**0.191 J**		< 10.0	< 10.0	< 10.0	< 10.0	
Parathion	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Parathion	2011-09	ug/L										< 10.0						
Parathion	2012-03	ug/L										< 10.0						
Parathion	2012-09	ug/L										< 10.0						
Parathion	2013-03	ug/L										< 10.6						
Parathion	2013-09	ug/L										< 10.2						
Parathion	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Parathion	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Parathion	2016-03	ug/L			< 11.1	< 11.2												
Parathion	2016-06	ug/L			< 11.4	< 11.4												
Parathion	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Parathion	2023-01	ug/L															< 10.9	
Parathion	2023-03	ug/L															< 10.4	
Parathion	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
PCBs - Aroclor 1016	2008-08	ug/L	< 0.8	< 0.909	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.899	< 0.889	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1016	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1016	2010-09	ug/L	< 0.800 UJ	< 0.800	< 0.800			< 0.800	< 0.800 UJ	< 0.800 UJ	< 0.800 UJ	< 0.800 UJ		< 0.800	< 0.800	< 0.800	< 0.800	
PCBs - Aroclor 1016	2015-09	ug/L	< 0.889	< 0.889			< 0.889	< 0.941			< 0.889	< 0.879	< 0.889	< 0.889		< 0.899	< 0.889	
PCBs - Aroclor 1016	2015-10	ug/L							< 0.952	< 0.842					< 0.941			< 0.899
PCBs - Aroclor 1016	2016-03	ug/L			< 0.889	< 0.909												
PCBs - Aroclor 1016	2016-06	ug/L			< 0.909	< 0.93												
PCBs - Aroclor 1016	2020-08	ug/L	< 1	< 0.941	< 0.976	< 0.941	< 0.941	< 0.941	< 0.941	< 1.04	< 0.941	< 0.92	< 0.964	< 0.941	< 0.988	< 0.976	< 0.952	< 1
PCBs - Aroclor 1016	2023-01	ug/L															< 0.909	
PCBs - Aroclor 1016	2023-03	ug/L															< 0.833	
PCBs - Aroclor 1016	2025-08	ug/L	< 1.8	< 1.8	< 1.8	< 1.91	< 1.81		< 1.89	< 1.8	< 1.81	< 1.85	< 1.9	< 1.81	< 1.79	< 1.84		< 1.79
PCBs - Aroclor 1221	2008-08	ug/L	< 0.8	< 0.909	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.899	< 0.889	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1221	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1221	2010-09	ug/L	< 0.800 UJ	< 0.800	< 0.800			< 0.800	< 0.800 UJ	< 0.800 UJ	< 0.800 UJ	< 0.800 UJ		< 0.800	< 0.800	< 0.800	< 0.800	
PCBs - Aroclor 1221	2015-09	ug/L	< 0.889	< 0.889			< 0.889	< 0.941			< 0.889	< 0.879	< 0.889	< 0.889		< 0.899	< 0.889	
PCBs - Aroclor 1221	2015-10	ug/L							< 0.952	< 0.842					< 0.941			< 0.899
PCBs - Aroclor 1221	2016-03	ug/L			< 0.889	< 0.909												
PCBs - Aroclor 1221	2016-06	ug/L			< 0.909	< 0.93												
PCBs - Aroclor 1221	2020-08	ug/L	< 1	< 0.941	< 0.976	< 0.941	< 0.941	< 0.941	< 0.941	< 1.04	< 0.941	< 0.92	< 0.964	< 0.941	< 0.988	< 0.976	< 0.952	< 1
PCBs - Aroclor 1221	2023-01	ug/L															< 0.909	
PCBs - Aroclor 1221	2023-03	ug/L															< 0.833	
PCBs - Aroclor 1221	2025-08	ug/L	< 1.8	< 1.8	< 1.8	< 1.91	< 1.81		< 1.89	< 1.8	< 1.81	< 1.85	< 1.9	< 1.81	< 1.79	< 1.84		< 1.79
PCBs - Aroclor 1232	2008-08	ug/L	< 0.8	< 0.909	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.899	< 0.889	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
p-(Dimethylamino)azobenzene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
p-(Dimethylamino)azobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
p-(Dimethylamino)azobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
p-(Dimethylamino)azobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
p-(Dimethylamino)azobenzene	2012-09	ug/L		< 10.0													
p-(Dimethylamino)azobenzene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
p-(Dimethylamino)azobenzene	2015-10	ug/L	< 11.8		< 10.3					< 11							
p-(Dimethylamino)azobenzene	2016-03	ug/L					< 10.9			< 11.2							
p-(Dimethylamino)azobenzene	2016-06	ug/L															
p-(Dimethylamino)azobenzene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
p-(Dimethylamino)azobenzene	2023-01	ug/L															
p-(Dimethylamino)azobenzene	2023-03	ug/L					< 10			< 10							
p-(Dimethylamino)azobenzene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Parathion	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Parathion	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Parathion	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Parathion	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Parathion	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Parathion	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Parathion	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Parathion	2011-09	ug/L					< 10.0										
Parathion	2012-03	ug/L					< 10.0										
Parathion	2012-09	ug/L					< 10.0										
Parathion	2013-03	ug/L					< 11.8										
Parathion	2013-09	ug/L															
Parathion	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Parathion	2015-10	ug/L	< 11.8		< 10.3					< 11							
Parathion	2016-03	ug/L					< 10.9			< 11.2							
Parathion	2016-06	ug/L															
Parathion	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Parathion	2023-01	ug/L															
Parathion	2023-03	ug/L					< 10			< 10							
Parathion	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
PCBs - Aroclor 1016	2008-08	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1016	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1016	2010-09	ug/L	< 0.800	< 0.800	< 0.800 UJ	< 0.800	< 0.800										
PCBs - Aroclor 1016	2015-09	ug/L		< 0.879		< 0.899	< 0.87	< 0.8	< 0.87								
PCBs - Aroclor 1016	2015-10	ug/L	< 0.952		< 0.87					< 0.909							
PCBs - Aroclor 1016	2016-03	ug/L					< 0.889			< 0.879							
PCBs - Aroclor 1016	2016-06	ug/L															
PCBs - Aroclor 1016	2020-08	ug/L	< 0.976	< 0.941	< 0.842	< 0.964	< 1.1	< 0.92	< 0.889	< 0.879							
PCBs - Aroclor 1016	2023-01	ug/L															
PCBs - Aroclor 1016	2023-03	ug/L					< 0.87			< 0.8							
PCBs - Aroclor 1016	2025-08	ug/L	< 1.78	< 1.86	< 1.89	< 1.8	< 1.82	< 1.8	< 1.81	< 1.8							
PCBs - Aroclor 1221	2008-08	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1221	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1221	2010-09	ug/L	< 0.800	< 0.800	< 0.800 UJ	< 0.800	< 0.800										
PCBs - Aroclor 1221	2015-09	ug/L		< 0.879		< 0.899	< 0.87	< 0.8	< 0.87								
PCBs - Aroclor 1221	2015-10	ug/L	< 0.952		< 0.87					< 0.909							
PCBs - Aroclor 1221	2016-03	ug/L					< 0.889			< 0.879							
PCBs - Aroclor 1221	2016-06	ug/L															
PCBs - Aroclor 1221	2020-08	ug/L	< 0.976	< 0.941	< 0.842	< 0.964	< 1.1	< 0.92	< 0.889	< 0.879							
PCBs - Aroclor 1221	2023-01	ug/L															
PCBs - Aroclor 1221	2023-03	ug/L					< 0.87			< 0.8							
PCBs - Aroclor 1221	2025-08	ug/L	< 1.78	< 1.86	< 1.89	< 1.8	< 1.82	< 1.8	< 1.81	< 1.8							
PCBs - Aroclor 1232	2008-08	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
PCBs - Aroclor 1232	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1232	2010-09	ug/L	< 0.800 UJ	< 0.800	< 0.800			< 0.800	< 0.800 UJ	< 0.800 UJ	< 0.800 UJ	< 0.800 UJ		< 0.800	< 0.800	< 0.800	< 0.800	
PCBs - Aroclor 1232	2015-09	ug/L	< 0.889	< 0.889			< 0.889	< 0.941			< 0.889	< 0.879	< 0.889	< 0.889		< 0.899	< 0.889	
PCBs - Aroclor 1232	2015-10	ug/L							< 0.952	< 0.842					< 0.941			< 0.899
PCBs - Aroclor 1232	2016-03	ug/L			< 0.889	< 0.909												
PCBs - Aroclor 1232	2016-06	ug/L			< 0.909	< 0.93												
PCBs - Aroclor 1232	2020-08	ug/L	< 1	< 0.941	< 0.976	< 0.941	< 0.941	< 0.941	< 0.941	< 1.04	< 0.941	< 0.92	< 0.964	< 0.941	< 0.988	< 0.976	< 0.952	< 1
PCBs - Aroclor 1232	2023-01	ug/L															< 0.909	
PCBs - Aroclor 1232	2023-03	ug/L															< 0.833	
PCBs - Aroclor 1232	2025-08	ug/L	< 1.8	< 1.8	< 1.8	< 1.91	< 1.81		< 1.89	< 1.8	< 1.81	< 1.85	< 1.9	< 1.81	< 1.79	< 1.84		< 1.79
PCBs - Aroclor 1242	2008-08	ug/L	< 0.8	< 0.909	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.899	< 0.889	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1242	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1242	2010-09	ug/L	< 0.800 UJ	< 0.800	< 0.800			< 0.800	< 0.800 UJ	< 0.800 UJ	< 0.800 UJ	< 0.800 UJ		< 0.800	< 0.800	< 0.800	< 0.800	
PCBs - Aroclor 1242	2015-09	ug/L	< 0.889	< 0.889			< 0.889	< 0.941			< 0.889	< 0.879	< 0.889	< 0.889		< 0.899	< 0.889	
PCBs - Aroclor 1242	2015-10	ug/L							< 0.952	< 0.842					< 0.941			< 0.899
PCBs - Aroclor 1242	2016-03	ug/L			< 0.889	< 0.909												
PCBs - Aroclor 1242	2016-06	ug/L			< 0.909	< 0.93												
PCBs - Aroclor 1242	2020-08	ug/L	< 1	< 0.941	< 0.976	< 0.941	< 0.941	< 0.941	< 0.941	< 1.04	< 0.941	< 0.92	< 0.964	< 0.941	< 0.988	< 0.976	< 0.952	< 1
PCBs - Aroclor 1242	2023-01	ug/L															< 0.909	
PCBs - Aroclor 1242	2023-03	ug/L															< 0.833	
PCBs - Aroclor 1242	2025-08	ug/L	< 1.8	< 1.8	< 1.8	< 1.91	< 1.81		< 1.89	< 1.8	< 1.81	< 1.85	< 1.9	< 1.81	< 1.79	< 1.84		< 1.79
PCBs - Aroclor 1248	2008-08	ug/L	< 0.8	< 0.909	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.899	< 0.889	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1248	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1248	2010-09	ug/L	< 0.800 UJ	< 0.800	< 0.800			< 0.800	< 0.800 UJ	< 0.800 UJ	< 0.800 UJ	< 0.800 UJ		< 0.800	< 0.800	< 0.800	< 0.800	
PCBs - Aroclor 1248	2015-09	ug/L	< 0.889	< 0.889			< 0.889	< 0.941			< 0.889	< 0.879	< 0.889	< 0.889		< 0.899	< 0.889	
PCBs - Aroclor 1248	2015-10	ug/L							< 0.952	< 0.842					< 0.941			< 0.899
PCBs - Aroclor 1248	2016-03	ug/L			< 0.889	< 0.909												
PCBs - Aroclor 1248	2016-06	ug/L			< 0.909	< 0.93												
PCBs - Aroclor 1248	2020-08	ug/L	< 1	< 0.941	< 0.976	< 0.941	< 0.941	< 0.941	< 0.941	< 1.04	< 0.941	< 0.92	< 0.964	< 0.941	< 0.988	< 0.976	< 0.952	< 1
PCBs - Aroclor 1248	2023-01	ug/L															< 0.909	
PCBs - Aroclor 1248	2023-03	ug/L															< 0.833	
PCBs - Aroclor 1248	2025-08	ug/L	< 1.8	< 1.8	< 1.8	< 1.91	< 1.81		< 1.89	< 1.8	< 1.81	< 1.85	< 1.9	< 1.81	< 1.79	< 1.84		< 1.79
PCBs - Aroclor 1254	2008-08	ug/L	< 0.8	< 0.909	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.899	< 0.889	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1254	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1254	2010-09	ug/L	< 0.800 UJ	< 0.800	< 0.800			< 0.800	< 0.800 UJ	< 0.800 UJ	< 0.800 UJ	< 0.800 UJ		< 0.800	< 0.800	< 0.800	< 0.800	
PCBs - Aroclor 1254	2015-09	ug/L	< 0.889	< 0.889			< 0.889	< 0.941			< 0.889	< 0.879	< 0.889	< 0.889		< 0.899	< 0.889	
PCBs - Aroclor 1254	2015-10	ug/L							< 0.952	< 0.842					< 0.941			< 0.899
PCBs - Aroclor 1254	2016-03	ug/L			< 0.889	< 0.909												
PCBs - Aroclor 1254	2016-06	ug/L			< 0.909	< 0.93												
PCBs - Aroclor 1254	2020-08	ug/L	< 1	< 0.941	< 0.976	< 0.941	< 0.941	< 0.941	< 0.941	< 1.04	< 0.941	< 0.92	< 0.964	< 0.941	< 0.988	< 0.976	< 0.952	< 1
PCBs - Aroclor 1254	2023-01	ug/L															< 0.909	
PCBs - Aroclor 1254	2023-03	ug/L															< 0.833	
PCBs - Aroclor 1254	2025-08	ug/L	< 1.8	< 1.8	< 1.8	< 1.91	< 1.81		< 1.89	< 1.8	< 1.81	< 1.85	< 1.9	< 1.81	< 1.79	< 1.84		< 1.79
PCBs - Aroclor 1260	2008-08	ug/L	< 0.8	< 0.909	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.899	< 0.889	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1260	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1260	2010-09	ug/L	< 0.800 UJ	< 0.800	< 0.800			< 0.800	< 0.800 UJ	< 0.800 UJ	< 0.800 UJ	< 0.800 UJ		< 0.800	< 0.800	< 0.800	< 0.800	
PCBs - Aroclor 1260	2015-09	ug/L	< 0.889	< 0.889			< 0.889	< 0.941			< 0.889	< 0.879	< 0.889	< 0.889		< 0.899	< 0.889	
PCBs - Aroclor 1260	2015-10	ug/L							< 0.952	< 0.842					< 0.941			< 0.899
PCBs - Aroclor 1260	2016-03	ug/L			< 0.889	< 0.909												
PCBs - Aroclor 1260	2016-06	ug/L			< 0.909	< 0.93												
PCBs - Aroclor 1260	2020-08	ug/L	< 1	< 0.941	< 0.976	< 0.941	< 0.941	< 0.941	< 0.941	< 1.04	< 0.941	< 0.92	< 0.964	< 0.941	< 0.988	< 0.976	< 0.952	< 1
PCBs - Aroclor 1260	2023-01	ug/L															< 0.909	
PCBs - Aroclor 1260	2023-03	ug/L															< 0.833	
PCBs - Aroclor 1260	2025-08	ug/L	< 1.8	< 1.8	< 1.8	< 1.91	< 1.81		< 1.89	< 1.8	< 1.81	< 1.85	< 1.9	< 1.81	< 1.79	< 1.84		< 1.79
Pentachlorobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Pentachlorobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
PCBs - Aroclor 1232	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1232	2010-09	ug/L	< 0.800	< 0.800	< 0.800 UJ	< 0.800	< 0.800										
PCBs - Aroclor 1232	2015-09	ug/L		< 0.879		< 0.899	< 0.87	< 0.8	< 0.87								
PCBs - Aroclor 1232	2015-10	ug/L	< 0.952		< 0.87					< 0.909							
PCBs - Aroclor 1232	2016-03	ug/L					< 0.889			< 0.879							
PCBs - Aroclor 1232	2016-06	ug/L															
PCBs - Aroclor 1232	2020-08	ug/L	< 0.976	< 0.941	< 0.842	< 0.964	< 1.1	< 0.92	< 0.889	< 0.879							
PCBs - Aroclor 1232	2023-01	ug/L															
PCBs - Aroclor 1232	2023-03	ug/L					< 0.87			< 0.8							
PCBs - Aroclor 1232	2025-08	ug/L	< 1.78	< 1.86	< 1.89	< 1.8	< 1.82	< 1.8	< 1.81	< 1.8							
PCBs - Aroclor 1242	2008-08	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1242	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1242	2010-09	ug/L	< 0.800	< 0.800	< 0.800 UJ	< 0.800	< 0.800										
PCBs - Aroclor 1242	2015-09	ug/L		< 0.879		< 0.899	< 0.87	< 0.8	< 0.87								
PCBs - Aroclor 1242	2015-10	ug/L	< 0.952		< 0.87					< 0.909							
PCBs - Aroclor 1242	2016-03	ug/L					< 0.889			< 0.879							
PCBs - Aroclor 1242	2016-06	ug/L															
PCBs - Aroclor 1242	2020-08	ug/L	< 0.976	< 0.941	< 0.842	< 0.964	< 1.1	< 0.92	< 0.889	< 0.879							
PCBs - Aroclor 1242	2023-01	ug/L															
PCBs - Aroclor 1242	2023-03	ug/L					< 0.87			< 0.8							
PCBs - Aroclor 1242	2025-08	ug/L	< 1.78	< 1.86	< 1.89	< 1.8	< 1.82	< 1.8	< 1.81	< 1.8							
PCBs - Aroclor 1248	2008-08	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1248	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1248	2010-09	ug/L	< 0.800	< 0.800	< 0.800 UJ	< 0.800	< 0.800										
PCBs - Aroclor 1248	2015-09	ug/L		< 0.879		< 0.899	< 0.87	< 0.8	< 0.87								
PCBs - Aroclor 1248	2015-10	ug/L	< 0.952		< 0.87					< 0.909							
PCBs - Aroclor 1248	2016-03	ug/L					< 0.889			< 0.879							
PCBs - Aroclor 1248	2016-06	ug/L															
PCBs - Aroclor 1248	2020-08	ug/L	< 0.976	< 0.941	< 0.842	< 0.964	< 1.1	< 0.92	< 0.889	< 0.879							
PCBs - Aroclor 1248	2023-01	ug/L															
PCBs - Aroclor 1248	2023-03	ug/L					< 0.87			< 0.8							
PCBs - Aroclor 1248	2025-08	ug/L	< 1.78	< 1.86	< 1.89	< 1.8	< 1.82	< 1.8	< 1.81	< 1.8							
PCBs - Aroclor 1254	2008-08	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1254	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1254	2010-09	ug/L	< 0.800	< 0.800	< 0.800 UJ	< 0.800	< 0.800										
PCBs - Aroclor 1254	2015-09	ug/L		< 0.879		< 0.899	< 0.87	< 0.8	< 0.87								
PCBs - Aroclor 1254	2015-10	ug/L	< 0.952		< 0.87					< 0.909							
PCBs - Aroclor 1254	2016-03	ug/L					< 0.889			< 0.879							
PCBs - Aroclor 1254	2016-06	ug/L															
PCBs - Aroclor 1254	2020-08	ug/L	< 0.976	< 0.941	< 0.842	< 0.964	< 1.1	< 0.92	< 0.889	< 0.879							
PCBs - Aroclor 1254	2023-01	ug/L															
PCBs - Aroclor 1254	2023-03	ug/L					< 0.87			< 0.8							
PCBs - Aroclor 1254	2025-08	ug/L	< 1.78	< 1.86	< 1.89	< 1.8	< 1.82	< 1.8	< 1.81	< 1.8							
PCBs - Aroclor 1260	2008-08	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1260	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1260	2010-09	ug/L	< 0.800	< 0.800	< 0.800 UJ	< 0.800	< 0.800										
PCBs - Aroclor 1260	2015-09	ug/L		< 0.879		< 0.899	< 0.87	< 0.8	< 0.87								
PCBs - Aroclor 1260	2015-10	ug/L	< 0.952		< 0.87					< 0.909							
PCBs - Aroclor 1260	2016-03	ug/L					< 0.889			< 0.879							
PCBs - Aroclor 1260	2016-06	ug/L															
PCBs - Aroclor 1260	2020-08	ug/L	< 0.976	< 0.941	< 0.842	< 0.964	< 1.1	< 0.92	< 0.889	< 0.879							
PCBs - Aroclor 1260	2023-01	ug/L															
PCBs - Aroclor 1260	2023-03	ug/L					< 0.87			< 0.8							
PCBs - Aroclor 1260	2025-08	ug/L	< 1.78	< 1.86	< 1.89	< 1.8	< 1.82	< 1.8	< 1.81	< 1.8							
Pentachlorobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Pentachlorobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Pentachlorobenzene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Pentachlorobenzene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Pentachlorobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Pentachlorobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Pentachlorobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Pentachlorobenzene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Pentachlorobenzene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Pentachlorobenzene	2016-03	ug/L			< 11.1	< 11.2												
Pentachlorobenzene	2016-06	ug/L			< 11.4	< 11.4												
Pentachlorobenzene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Pentachlorobenzene	2023-01	ug/L															< 10.9	
Pentachlorobenzene	2023-03	ug/L															< 10.4	
Pentachlorobenzene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Pentachloronitrobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Pentachloronitrobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentachloronitrobenzene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Pentachloronitrobenzene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Pentachloronitrobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Pentachloronitrobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Pentachloronitrobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Pentachloronitrobenzene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Pentachloronitrobenzene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Pentachloronitrobenzene	2016-03	ug/L			< 11.1	< 11.2												
Pentachloronitrobenzene	2016-06	ug/L			< 11.4	< 11.4												
Pentachloronitrobenzene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Pentachloronitrobenzene	2023-01	ug/L															< 10.9	
Pentachloronitrobenzene	2023-03	ug/L															< 10.4	
Pentachloronitrobenzene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Pentachlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Pentachlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentachlorophenol	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Pentachlorophenol	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Pentachlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Pentachlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	**0.247 J**	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Pentachlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Pentachlorophenol	2011-09	ug/L									< 10.0							
Pentachlorophenol	2012-03	ug/L									< 10.0							
Pentachlorophenol	2012-09	ug/L									< 10.0							
Pentachlorophenol	2013-03	ug/L									< 10.6							
Pentachlorophenol	2013-09	ug/L									< 10.6							
Pentachlorophenol	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Pentachlorophenol	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Pentachlorophenol	2016-03	ug/L			< 11.1	< 11.2												
Pentachlorophenol	2016-06	ug/L			< 11.4	< 11.4												
Pentachlorophenol	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Pentachlorophenol	2023-01	ug/L															< 10.9	
Pentachlorophenol	2023-03	ug/L															< 10.4	
Pentachlorophenol	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Phenacetin	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Phenacetin	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Phenacetin	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Phenacetin	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Phenacetin	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Phenacetin	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Phenacetin	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Phenacetin	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Pentachlorobenzene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Pentachlorobenzene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Pentachlorobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Pentachlorobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Pentachlorobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Pentachlorobenzene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Pentachlorobenzene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Pentachlorobenzene	2016-03	ug/L					< 10.9			< 11.2							
Pentachlorobenzene	2016-06	ug/L															
Pentachlorobenzene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Pentachlorobenzene	2023-01	ug/L															
Pentachlorobenzene	2023-03	ug/L					< 10			< 10							
Pentachlorobenzene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Pentachloronitrobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Pentachloronitrobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Pentachloronitrobenzene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Pentachloronitrobenzene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Pentachloronitrobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Pentachloronitrobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Pentachloronitrobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Pentachloronitrobenzene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Pentachloronitrobenzene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Pentachloronitrobenzene	2016-03	ug/L					< 10.9			< 11.2							
Pentachloronitrobenzene	2016-06	ug/L															
Pentachloronitrobenzene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Pentachloronitrobenzene	2023-01	ug/L															
Pentachloronitrobenzene	2023-03	ug/L					< 10			< 10							
Pentachloronitrobenzene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Pentachlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Pentachlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Pentachlorophenol	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Pentachlorophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Pentachlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Pentachlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Pentachlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Pentachlorophenol	2011-09	ug/L					< 10.0										
Pentachlorophenol	2012-03	ug/L					< 10.0										
Pentachlorophenol	2012-09	ug/L					< 10.0										
Pentachlorophenol	2013-03	ug/L					< 11.8										
Pentachlorophenol	2013-09	ug/L															
Pentachlorophenol	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Pentachlorophenol	2015-10	ug/L	< 11.8		< 10.3					< 11							
Pentachlorophenol	2016-03	ug/L					< 10.9			< 11.2							
Pentachlorophenol	2016-06	ug/L															
Pentachlorophenol	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Pentachlorophenol	2023-01	ug/L															
Pentachlorophenol	2023-03	ug/L					< 10			< 10							
Pentachlorophenol	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Phenacetin	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Phenacetin	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Phenacetin	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Phenacetin	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Phenacetin	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Phenacetin	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Phenacetin	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Phenacetin	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenacetin	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Phenacetin	2016-03	ug/L			< 11.1	< 11.2												
Phenacetin	2016-06	ug/L			< 11.4	< 11.4												
Phenacetin	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Phenacetin	2023-01	ug/L															< 10.9	
Phenacetin	2023-03	ug/L															< 10.4	
Phenacetin	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Phenanthrene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Phenanthrene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Phenanthrene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Phenanthrene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Phenanthrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Phenanthrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Phenanthrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Phenanthrene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Phenanthrene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Phenanthrene	2016-03	ug/L			< 11.1	< 11.2												
Phenanthrene	2016-06	ug/L			< 11.4	< 11.4												
Phenanthrene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Phenanthrene	2023-01	ug/L															< 10.9	
Phenanthrene	2023-03	ug/L															< 10.4	
Phenanthrene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Phenol	2008-08	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 22.2	< 20	< 20	< 20	< 20	< 20	< 22.2	< 20
Phenol	2009-03	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenol	2009-07	ug/L	< 20	< 20.0	< 20.0	< 20		< 20		< 20			< 20.0		< 20	< 20	< 20	< 20
Phenol	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Phenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Phenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Phenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Phenol	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Phenol	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Phenol	2016-03	ug/L			< 11.1	< 11.2												
Phenol	2016-06	ug/L			< 11.4	< 11.4												
Phenol	2016-08	ug/L																
Phenol	2017-03	ug/L																
Phenol	2017-08	ug/L																
Phenol	2018-03	ug/L																
Phenol	2018-08	ug/L																
Phenol	2019-03	ug/L																
Phenol	2019-08	ug/L																< 10.8
Phenol	2020-03	ug/L																
Phenol	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Phenol	2021-03	ug/L																
Phenol	2021-08	ug/L																
Phenol	2022-08	ug/L																
Phenol	2023-01	ug/L															< 10.9	
Phenol	2023-03	ug/L															< 10.4	
Phenol	2023-08	ug/L																
Phenol	2024-08	ug/L																
Phenol	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Phorate	2008-08	ug/L	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 66.7	< 60	< 60	< 60	< 60	< 60	< 66.7	< 60
Phorate	2009-03	ug/L	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60
Phorate	2009-07	ug/L	< 60	< 60.0	< 60.0	< 60		< 60		< 60			< 60.0		< 60	< 60	< 60	< 60
Phorate	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Phorate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Phorate	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Upper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Phenacetin	2015-10	ug/L	< 11.8		< 10.3					< 11							
Phenacetin	2016-03	ug/L					< 10.9			< 11.2							
Phenacetin	2016-06	ug/L															
Phenacetin	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Phenacetin	2023-01	ug/L															
Phenacetin	2023-03	ug/L					< 10			< 10							
Phenacetin	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Phenanthrene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Phenanthrene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Phenanthrene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Phenanthrene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Phenanthrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Phenanthrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Phenanthrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Phenanthrene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Phenanthrene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Phenanthrene	2016-03	ug/L					< 10.9			< 11.2							
Phenanthrene	2016-06	ug/L															
Phenanthrene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Phenanthrene	2023-01	ug/L															
Phenanthrene	2023-03	ug/L					< 10			< 10							
Phenanthrene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Phenol	2008-08	ug/L	< 20	< 20	< 20	< 20	< 20	< 22.2	< 20								
Phenol	2009-03	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20								
Phenol	2009-07	ug/L	< 20.0	< 20	< 20	< 20	< 20.0	< 22.7	< 20.0								
Phenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Phenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Phenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Phenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Phenol	2015-09	ug/L		< 11		< 11.2	**23.6**	< 11.2	< 11.2								
Phenol	2015-10	ug/L	< 11.8		< 10.3					< 11							
Phenol	2016-03	ug/L					< 10.9			< 11.2							
Phenol	2016-06	ug/L															
Phenol	2016-08	ug/L					< 11.8			< 10.6							
Phenol	2017-03	ug/L					< 10.5			< 10.9							
Phenol	2017-08	ug/L					< 10.6			< 10.4							
Phenol	2018-03	ug/L					< 12.5			< 12.3							
Phenol	2018-08	ug/L					< 13.2			< 10.6							
Phenol	2019-03	ug/L					< 13			< 11.1							
Phenol	2019-08	ug/L					< 10.8			< 10.9							
Phenol	2020-03	ug/L					< 13.7			< 12.5							
Phenol	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Phenol	2021-03	ug/L					< 11.1			< 12.2							
Phenol	2021-08	ug/L					< 12.5			< 10.8							
Phenol	2022-08	ug/L					~~< 10.4 R~~			~~< 10 R~~							
Phenol	2023-01	ug/L															
Phenol	2023-03	ug/L					< 10			< 10							
Phenol	2023-08	ug/L					< 9.62			< 11.4							
Phenol	2024-08	ug/L					< 10			< 10.9							
Phenol	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Phorate	2008-08	ug/L	< 60	< 60	< 60	< 60	< 60	< 66.7	< 60								
Phorate	2009-03	ug/L	< 60	< 60	< 60	< 60	< 60	< 60	< 60								
Phorate	2009-07	ug/L	< 60.0	< 60	< 60	< 60	< 60.0	< 68.2	< 60.0								
Phorate	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Phorate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Phorate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										

Table 14
Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phorate	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Phorate	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Phorate	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Phorate	2016-03	ug/L			< 11.1	< 11.2												
Phorate	2016-06	ug/L			< 11.4	< 11.4												
Phorate	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Phorate	2023-01	ug/L															< 10.9	
Phorate	2023-03	ug/L															< 10.4	
Phorate	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
p-Phenylenediamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
p-Phenylenediamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
p-Phenylenediamine	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
p-Phenylenediamine	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
p-Phenylenediamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
p-Phenylenediamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0 R			< 10.0 R	< 10.0 R	< 10.0 R	< 10.0 R	< 10.0 R		< 10.0 R	< 10.0 R	< 10.0 R	< 10.0 R	
p-Phenylenediamine	2011-03	ug/L	< 10.0 UJ	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
p-Phenylenediamine	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
p-Phenylenediamine	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
p-Phenylenediamine	2016-03	ug/L			< 11.1	< 11.2												
p-Phenylenediamine	2016-06	ug/L			< 11.4	< 11.4												
p-Phenylenediamine	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
p-Phenylenediamine	2023-01	ug/L															~~< 10.9 R~~	
p-Phenylenediamine	2023-03	ug/L															< 10.4	
p-Phenylenediamine	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Pronamide	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Pronamide	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pronamide	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Pronamide	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Pronamide	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Pronamide	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Pronamide	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Pronamide	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Pronamide	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Pronamide	2016-03	ug/L			< 11.1	< 11.2												
Pronamide	2016-06	ug/L			< 11.4	< 11.4												
Pronamide	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Pronamide	2023-01	ug/L															< 10.9	
Pronamide	2023-03	ug/L															< 10.4	
Pronamide	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Propionitrile	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Propionitrile	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Propionitrile	2009-07	ug/L	< 10	< 10.0		< 10		< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	
Propionitrile	2009-09	ug/L	< 10	< 10.0		< 10.0		< 10.0	< 10.0	< 50.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	
Propionitrile	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Propionitrile	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Propionitrile	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	
Propionitrile	2012-09	ug/L														< 10.0		
Propionitrile	2015-09	ug/L	< 10	< 10			< 10	< 10			< 10	< 10	< 10	< 10		< 10	< 10	
Propionitrile	2015-10	ug/L							< 10	< 10					< 10			< 10
Propionitrile	2016-03	ug/L			< 10	< 10												
Propionitrile	2016-06	ug/L			< 10	< 10												
Propionitrile	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Propionitrile	2023-01	ug/L															< 10	
Propionitrile	2023-03	ug/L															< 10	
Propionitrile	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10
Pyrene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Phorate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Phorate	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Phorate	2015-10	ug/L	< 11.8		< 10.3					< 11							
Phorate	2016-03	ug/L					< 10.9			< 11.2							
Phorate	2016-06	ug/L															
Phorate	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Phorate	2023-01	ug/L															
Phorate	2023-03	ug/L					< 10			< 10							
Phorate	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
p-Phenylenediamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
p-Phenylenediamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
p-Phenylenediamine	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
p-Phenylenediamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
p-Phenylenediamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
p-Phenylenediamine	2010-09	ug/L	< 10.0 R	< 10.0 R	< 10.0 R	< 10.0 R	< 10.0 R										
p-Phenylenediamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
p-Phenylenediamine	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
p-Phenylenediamine	2015-10	ug/L	< 11.8		< 10.3					< 11							
p-Phenylenediamine	2016-03	ug/L					< 10.9			< 11.2							
p-Phenylenediamine	2016-06	ug/L															
p-Phenylenediamine	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
p-Phenylenediamine	2023-01	ug/L															
p-Phenylenediamine	2023-03	ug/L					< 10			< 10							
p-Phenylenediamine	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Pronamide	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Pronamide	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Pronamide	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Pronamide	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Pronamide	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Pronamide	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Pronamide	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Pronamide	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Pronamide	2015-10	ug/L	< 11.8		< 10.3					< 11							
Pronamide	2016-03	ug/L					< 10.9			< 11.2							
Pronamide	2016-06	ug/L															
Pronamide	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Pronamide	2023-01	ug/L															
Pronamide	2023-03	ug/L					< 10			< 10							
Pronamide	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Propionitrile	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Propionitrile	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Propionitrile	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0										
Propionitrile	2009-09	ug/L	< 10.0	< 50.0	< 10.0	< 10.0	< 10.0										
Propionitrile	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Propionitrile	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Propionitrile	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Propionitrile	2012-09	ug/L				< 10.0											
Propionitrile	2015-09	ug/L		< 10		< 10	< 10	< 10	< 10								
Propionitrile	2015-10	ug/L	< 10		< 10					< 10							
Propionitrile	2016-03	ug/L					< 10			< 10							
Propionitrile	2016-06	ug/L															
Propionitrile	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10							
Propionitrile	2023-01	ug/L															
Propionitrile	2023-03	ug/L					< 10			< 10							
Propionitrile	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10							
Pyrene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Pyrene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pyrene	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Pyrene	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Pyrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Pyrene	2010-09	ug/L	< 10.0	< 10.0	**0.230 J**			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Pyrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Pyrene	2012-03	ug/L			< 10.0													
Pyrene	2012-09	ug/L			< 10.0													
Pyrene	2013-03	ug/L																
Pyrene	2013-05	ug/L			< 11.2													
Pyrene	2013-09	ug/L			< 10.2													
Pyrene	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Pyrene	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Pyrene	2016-03	ug/L			< 11.1	< 11.2												
Pyrene	2016-06	ug/L			< 11.4	< 11.4												
Pyrene	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Pyrene	2023-01	ug/L															< 10.9	
Pyrene	2023-03	ug/L															< 10.4	
Pyrene	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Safrole	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Safrole	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Safrole	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Safrole	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Safrole	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Safrole	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Safrole	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Safrole	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Safrole	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Safrole	2016-03	ug/L			< 11.1	< 11.2												
Safrole	2016-06	ug/L			< 11.4	< 11.4												
Safrole	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Safrole	2023-01	ug/L															< 10.9	
Safrole	2023-03	ug/L															< 10.4	
Safrole	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Selenium	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	2009-07	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	2009-09	mg/L	< 0.005	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2010-03	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
Selenium	2010-09	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
Selenium	2011-03	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
Selenium	2011-09	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
Selenium	2012-03	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
Selenium	2012-09	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	**0.0124**	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
Selenium	2013-03	mg/L	< 0.00500	< 0.005		< 0.00500	< 0.00500		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00500	< 0.00500	< 0.005	< 0.005
Selenium	2013-05	mg/L			< 0.00500			< 0.00500										
Selenium	2013-09	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	**0.00198 J**	< 0.00500	< 0.00500	**0.00216 J**	**0.00192 J**	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
Selenium	2013-11	mg/L																
Selenium	2014-03	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	**0.00110 J**	**0.000843 J**	**0.000727 J**	< 0.00500	**0.000681 J**	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
Selenium	2014-06	mg/L																
Selenium	2014-09	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2015-03	mg/L	< 0.005	< 0.005	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.005	< 0.005	< 0.00500	< 0.00500	< 0.005	< 0.005	< 0.005	< 0.00500
Selenium	2015-09	mg/L	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	
Selenium	2015-10	mg/L			< 0.005				< 0.005	< 0.005					< 0.005			< 0.005
Selenium	2016-03	mg/L	< 0.005	< 0.005	< 0.005	**0.000721 J**	**0.00198 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2016-06	mg/L			< 0.005	**0.00106 J**												

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Pyrene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Pyrene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Pyrene	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Pyrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Pyrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Pyrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Pyrene	2012-03	ug/L					< 10.0										
Pyrene	2012-09	ug/L					< 10.0										
Pyrene	2013-03	ug/L					< 11.8										
Pyrene	2013-05	ug/L															
Pyrene	2013-09	ug/L															
Pyrene	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Pyrene	2015-10	ug/L	< 11.8		< 10.3					< 11							
Pyrene	2016-03	ug/L					< 10.9			< 11.2							
Pyrene	2016-06	ug/L															
Pyrene	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Pyrene	2023-01	ug/L															
Pyrene	2023-03	ug/L					< 10			< 10							
Pyrene	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Safrole	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Safrole	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Safrole	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Safrole	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Safrole	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Safrole	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0										
Safrole	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Safrole	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Safrole	2015-10	ug/L	< 11.8		< 10.3					< 11							
Safrole	2016-03	ug/L					< 10.9			< 11.2							
Safrole	2016-06	ug/L															
Safrole	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Safrole	2023-01	ug/L															
Safrole	2023-03	ug/L					< 10			< 10							
Safrole	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Selenium	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05								
Selenium	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05								
Selenium	2009-07	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05								
Selenium	2009-09	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500									
Selenium	2010-03	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500								
Selenium	2010-09	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500								
Selenium	2011-03	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500								
Selenium	2011-09	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500								
Selenium	2012-03	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500								
Selenium	2012-09	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500								
Selenium	2013-03	mg/L	< 0.005	< 0.005	< 0.00500		< 0.00500	< 0.005	< 0.005								
Selenium	2013-05	mg/L															
Selenium	2013-09	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	~~< 0.00500~~	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500		
Selenium	2013-11	mg/L								~~< 0.00500~~	**0.000637 J**	**0.00116 J**	< 0.00500	< 0.00500	**0.00143 J**		
Selenium	2014-03	mg/L	< 0.00500	< 0.00500	< 0.00500	**0.00133 J**	< 0.00500	< 0.00500	< 0.00500	**~~0.000864 J~~**	**0.00137 J**	**0.00161 J**	< 0.00500	< 0.00500	**0.00289 J**		
Selenium	2014-06	mg/L								~~< 0.00500 J~~	< 0.00500 J	< 0.00500 J	< 0.00500 J	< 0.00500 J	< 0.00500 J		
Selenium	2014-09	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	~~< 0.005~~	< 0.005	< 0.005	< 0.005	< 0.005	**0.0064**		
Selenium	2015-03	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.005	< 0.005	< 0.005	< 0.00500	**0.00470 J**	< 0.00500	< 0.00500	< 0.00500	**0.00410 J**		
Selenium	2015-09	mg/L		< 0.005		< 0.005	< 0.005	< 0.005	< 0.005								
Selenium	2015-10	mg/L	< 0.005		< 0.005					< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00404 J**		
Selenium	2016-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.000872 J**	< 0.005	< 0.005	**0.00169 J**	**0.00343 J**	**0.00255 J**	< 0.005	< 0.005	**0.00318 J**		
Selenium	2016-06	mg/L															

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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Selenium	2016-08	mg/L	< 0.005	< 0.005	< 0.005	**0.000697 J**	**0.00101 J**	< 0.005	**0.00198 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2017-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2017-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.00336 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2017-11	mg/L																
Selenium	2018-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00153 J**	< 0.005
Selenium	2018-06	mg/L																
Selenium	2018-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00112 J**		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2018-09	mg/L					**0.00141 J**						< 0.005	< 0.005				
Selenium	2018-11	mg/L																
Selenium	2019-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.00224 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00125 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2019-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00122 J**	**0.00483 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2020-03	mg/L	< 0.005	< 0.005	< 0.005			< 0.005		< 0.005	< 0.02	< 0.005	**0.0017 J**	< 0.02	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2020-04	mg/L				< 0.005	**0.00495 J**		< 0.005									
Selenium	2020-08	mg/L	**0.00107 J**	< 0.005	< 0.005	< 0.005	**0.0111**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2021-03	mg/L							< 0.005	< 0.005	< 0.005	< 0.005						
Selenium	2021-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00134 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.00119 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2022-03	mg/L							< 0.005	< 0.02	< 0.005	< 0.005						
Selenium	2022-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2023-01	mg/L															< 0.005	
Selenium	2023-03	mg/L							< 0.005	< 0.005	**0.00226 J**	< 0.005					< 0.005	
Selenium	2023-08	mg/L	**0.00154 J**	< 0.005	< 0.005	< 0.005	**0.00204 J**		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2024-03	mg/L							< 0.005	< 0.005	< 0.005	< 0.005						
Selenium	2024-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.0172**		< 0.005	< 0.005	< 0.005	< 0.005	**0.00141 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2025-03	mg/L							< 0.005	< 0.005	< 0.005	< 0.005						
Selenium	2025-08	mg/L	< 0.005	< 0.005	< 0.005	**0.0014 J**	**0.0208**		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Silver	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Silver	2009-07	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Silver	2009-09	mg/L	< 0.02	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Silver	2010-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Silver	2010-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Silver	2011-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Silver	2011-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Silver	2012-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Silver	2012-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Silver	2013-03	mg/L	< 0.0200	< 0.02		< 0.0200	< 0.0200		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.0200	< 0.0200	< 0.02	< 0.02
Silver	2013-05	mg/L			< 0.0200			< 0.0200										
Silver	2013-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Silver	2013-11	mg/L																
Silver	2014-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Silver	2014-06	mg/L																
Silver	2014-09	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2015-03	mg/L	< 0.001	< 0.001 J	**0.0000530 J**	< 0.00100	**0.0000530 J**	**0.0000830 J**	< 0.00100	< 0.00100	< 0.001	< 0.001 J	< 0.00100	< 0.00100	< 0.001	< 0.001	< 0.001	< 0.00100
Silver	2015-09	mg/L	< 0.001 J	< 0.001		< 0.001 J	< 0.001 J	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	
Silver	2015-10	mg/L			< 0.001				< 0.001 J	< 0.001					< 0.001			< 0.001
Silver	2016-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	**0.000165 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2016-06	mg/L			< 0.001	< 0.001												
Silver	2016-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000802 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2017-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2017-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2017-11	mg/L																
Silver	2018-03	mg/L	**0.000184 J**	**0.000198 J**	< 0.001	< 0.001	**0.000157 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000146 J**	< 0.001	< 0.001
Silver	2018-06	mg/L																
Silver	2018-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	**0.000336 J**			< 0.001	< 0.001	< 0.001	< 0.001
Silver	2018-09	mg/L					< 0.001						< 0.001	< 0.001				
Silver	2018-11	mg/L																

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Analytical Data Summary - Upper Bedrock Appendix II
Permit No. 57-SDP-03-75C
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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Selenium	2016-08	mg/L	< 0.005	< 0.005	< 0.005	**0.000672 J**	< 0.005	< 0.005	< 0.005	**0.00126 J**	**0.00269 J**	**0.00219 J**	**0.00067 J**	< 0.005	**0.00283 J**		
Selenium	2017-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.00191 J**	< 0.005	< 0.005	**0.00103 J**	**0.00364 J**	**0.00392 J**	< 0.005	< 0.005	< 0.005		
Selenium	2017-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00289 J**	**0.00286 J**	< 0.005	< 0.005	< 0.005		
Selenium	2017-11	mg/L														**0.00427 J**	**0.0023 J**
Selenium	2018-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.000961 J**	< 0.005	< 0.005	**0.00265 J**	**0.00456 J**	< 0.005	< 0.005	< 0.005	**0.00198 J**	**0.00294 J**	**0.00239 J**
Selenium	2018-06	mg/L														**0.000906 J**	**0.00555**
Selenium	2018-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	~~**0.00202 J**~~	< 0.005	< 0.005	**0.00208 J**		< 0.005	**0.000974 J**	< 0.005			
Selenium	2018-09	mg/L													**0.00341 J**	**0.00165 J**	**0.00728**
Selenium	2018-11	mg/L														**0.00225 J**	**0.00121 J**
Selenium	2019-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.00141 J**	< 0.005	< 0.005	**0.00156 J**		< 0.005	< 0.005	< 0.005	**0.0027 J**	< 0.005	**0.00367 J**
Selenium	2019-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00428 J**	**0.00135 J**	< 0.005	< 0.005	**0.00112 J**	**0.00264 J**	**0.00451 J**	< 0.005	< 0.005	< 0.005	**0.00332 J**	**0.00387 J**
Selenium	2020-03	mg/L	< 0.005	< 0.005		< 0.005	**0.00132 J**	< 0.005	< 0.005	**0.0021 J**	**0.00298 J**	**0.00354 J**	< 0.005		**0.00227 J**	**0.00129 J**	**0.0128**
Selenium	2020-04	mg/L			< 0.005									< 0.005			
Selenium	2020-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00524**	**0.00152 J**	< 0.005	< 0.005	**0.00145 J**			< 0.005	< 0.005	**0.00272 J**		**0.0068**
Selenium	2021-03	mg/L		< 0.005			**0.00116 J**			**0.00251 J**							
Selenium	2021-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.00127 J**	< 0.005	< 0.005	**0.00178 J**			< 0.005	< 0.005	**0.00166 J**		**0.00264 J**
Selenium	2022-03	mg/L		< 0.02			**0.00111 J**			**0.00187 J**							
Selenium	2022-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.00124 J**	< 0.005	< 0.005	**0.0025 J**			**0.00112 J**	< 0.005	< 0.005		**0.0195**
Selenium	2023-01	mg/L															
Selenium	2023-03	mg/L		< 0.005			**0.00104 J**			~~**0.00137 J**~~							
Selenium	2023-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00289 J**			**0.00285 J**	< 0.005	**0.00216 J**		**0.0034 J**
Selenium	2024-03	mg/L		< 0.005			< 0.005			**0.00324 J**							
Selenium	2024-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00683**	< 0.005	< 0.005	< 0.005	**0.00259 J**			**0.00315 J**	< 0.005	**0.00147 J**		**0.00822**
Selenium	2025-03	mg/L		< 0.005			< 0.005			**0.00318 J**							
Selenium	2025-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	**0.00352 J**		**0.0072**
Silver	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05								
Silver	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05								
Silver	2009-07	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05								
Silver	2009-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200									
Silver	2010-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Silver	2010-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Silver	2011-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Silver	2011-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Silver	2012-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Silver	2012-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200								
Silver	2013-03	mg/L	< 0.02	< 0.02	< 0.0200		< 0.0200	< 0.02	< 0.02								
Silver	2013-05	mg/L															
Silver	2013-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	~~< 0.0200~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200		
Silver	2013-11	mg/L								~~< 0.0200~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200		
Silver	2014-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	~~< 0.0200~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200		
Silver	2014-06	mg/L								~~< 0.0200~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200		
Silver	2014-09	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	~~< 0.001~~	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Silver	2015-03	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.001	< 0.001 J	< 0.001	**0.0000720 J**	< 0.00100	< 0.00100	**0.0000800 J**	< 0.00100	< 0.00100		
Silver	2015-09	mg/L		< 0.001		< 0.001	**0.000125 J**	< 0.001	< 0.001								
Silver	2015-10	mg/L	< 0.001		< 0.001					< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Silver	2016-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000175 J**	< 0.001	< 0.001	< 0.001		
Silver	2016-06	mg/L															
Silver	2016-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Silver	2017-03	mg/L	**0.000145 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Silver	2017-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Silver	2017-11	mg/L														< 0.001	< 0.001
Silver	2018-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000194 J**	**0.000211 J**
Silver	2018-06	mg/L														< 0.001	< 0.001
Silver	2018-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001			
Silver	2018-09	mg/L													< 0.001	< 0.001	< 0.001
Silver	2018-11	mg/L														< 0.001	< 0.001

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Silver	2019-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2019-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2020-03	mg/L	< 0.001	< 0.001	< 0.001			< 0.001		< 0.001	< 0.004	< 0.001	< 0.001	< 0.004	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2020-04	mg/L				< 0.001	< 0.001		< 0.001									
Silver	2020-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2021-03	mg/L							< 0.001	< 0.001	< 0.001	< 0.001						
Silver	2021-08	mg/L	< 0.001	< 0.001	**0.00121**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.00154**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2022-03	mg/L							< 0.001	< 0.004	< 0.001	< 0.001						
Silver	2022-08	mg/L	**0.00117**	< 0.001	< 0.001	**0.00105 J+**	**0.00105 J+**		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2023-01	mg/L															< 0.001	
Silver	2023-03	mg/L							< 0.001	< 0.001	**0.00159**	< 0.001					< 0.001	
Silver	2023-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2024-03	mg/L							< 0.001	< 0.001	< 0.001	< 0.001						
Silver	2024-08	mg/L	**0.000705 J**	**0.000691 J**	< 0.001	< 0.001	**0.000991 J**		< 0.001	< 0.001	< 0.001	< 0.001	**0.000893 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2025-03	mg/L							< 0.001	< 0.001	< 0.001	< 0.001						
Silver	2025-08	mg/L	< 0.001	< 0.001	< 0.001	**0.00196**	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Styrene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
Styrene	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
Styrene	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	< 1.00	< 1.00
Styrene	2010-09	ug/L	< 4.00	< 4.00	< 4.00	< 1.00	< 1.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 1.00	< 4.00	< 4.00	< 4.00	< 4.00	< 1.00
Styrene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Styrene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Styrene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Styrene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Styrene	2013-03	ug/L	< 1.00	< 1		< 1.00	< 1.00		< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1
Styrene	2013-05	ug/L			< 1.00			< 1.00										
Styrene	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Styrene	2013-11	ug/L																
Styrene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Styrene	2014-06	ug/L																
Styrene	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2015-03	ug/L	< 1	**0.182 J**	**0.177 J**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	**0.282 J**	< 1.00
Styrene	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
Styrene	2015-10	ug/L			< 1				< 1	< 1					< 1			< 1
Styrene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2016-06	ug/L			< 1	< 1												
Styrene	2016-08	ug/L	< 1	< 1	**0.116 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2017-11	ug/L																
Styrene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2018-06	ug/L																
Styrene	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Styrene	2018-09	ug/L					< 1						< 1	< 1				
Styrene	2018-11	ug/L																
Styrene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2020-03	ug/L	< 1	< 1	< 1			< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2020-04	ug/L				< 1	< 1		< 1									
Styrene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2021-03	ug/L							< 1	< 1	< 1	< 1						
Styrene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2022-03	ug/L							< 1	< 1	< 1	< 1						
Styrene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Silver	2019-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2019-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2020-03	mg/L	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001
Silver	2020-04	mg/L			< 0.001									< 0.001			
Silver	2020-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Silver	2021-03	mg/L		< 0.001			< 0.001			< 0.001							
Silver	2021-08	mg/L	< 0.001	**0.00073 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Silver	2022-03	mg/L		< 0.004			**0.000698 J**			< 0.001							
Silver	2022-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Silver	2023-01	mg/L															
Silver	2023-03	mg/L		< 0.001			< 0.001			< 0.001							
Silver	2023-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Silver	2024-03	mg/L		< 0.001			< 0.001			< 0.001							
Silver	2024-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Silver	2025-03	mg/L		< 0.001			< 0.001			< 0.001							
Silver	2025-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Styrene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Styrene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Styrene	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
Styrene	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
Styrene	2010-03	ug/L	< 1.00	< 2.00	< 1.00	< 2.00	< 2.00	< 2.00	< 2.00								
Styrene	2010-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 1.00	< 1.00								
Styrene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Styrene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Styrene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Styrene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Styrene	2013-03	ug/L	< 1	< 1	< 25.0		< 1.00	< 1	< 1								
Styrene	2013-05	ug/L															
Styrene	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Styrene	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Styrene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Styrene	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Styrene	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
Styrene	2015-03	ug/L	< 1.00	< 1.00	**0.114 J**	< 1.00	< 1	**0.118 J**	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Styrene	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
Styrene	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
Styrene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Styrene	2016-06	ug/L															
Styrene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Styrene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Styrene	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Styrene	2017-11	ug/L														< 1	< 1
Styrene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2018-06	ug/L														< 1	< 1
Styrene	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
Styrene	2018-09	ug/L													< 1	< 1	< 1
Styrene	2018-11	ug/L														< 1	< 1
Styrene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2020-03	ug/L	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
Styrene	2020-04	ug/L			< 1									< 1			
Styrene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Styrene	2021-03	ug/L		< 1			< 1			< 1							
Styrene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Styrene	2022-03	ug/L		< 1			< 1			< 1							
Styrene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2023-01	ug/L															< 1	
Styrene	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
Styrene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2024-03	ug/L							< 1	< 1	< 1	< 1						
Styrene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2025-03	ug/L							< 1	< 1	< 1	< 1						
Styrene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sulfide	2008-08	mg/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Sulfide	2009-03	mg/L		< 5	< 5													< 5
Sulfide	2010-09	mg/L	< 1.0	< 1.0	< 1.0			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	
Sulfide	2015-09	mg/L	< 1	< 1			< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
Sulfide	2015-10	mg/L							< 1	< 1					< 1			< 1
Sulfide	2016-03	mg/L			< 1	**0.559 J**												
Sulfide	2016-06	mg/L			< 1	< 1												
Sulfide	2020-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Sulfide	2023-01	mg/L															< 1	
Sulfide	2023-03	mg/L															< 1	
Sulfide	2025-08	mg/L	< 1 J	< 1	**0.663 J**	**0.51 J**	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1
Technical Chlordane	2008-09	ug/L		< 2	< 2												< 2	
Technical Chlordane	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Technical Chlordane	2009-07	ug/L			< 2.00									< 2.00			< 2	
Technical Chlordane	2009-09	ug/L			< 2.00									< 2.25			< 2	
Technical Chlordane	2010-03	ug/L			< 2.00									< 2.00			< 2.00	
Technical Chlordane	2010-09	ug/L	< 2.00	< 2.00	< 2.00			< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		< 2.00	< 2.00	< 2.00	< 2.00	
Technical Chlordane	2011-03	ug/L			< 2.00				< 2.00								< 2.00	
Technical Chlordane	2015-09	ug/L	< 2.25	< 2.22			< 2.2	< 2.41			< 2.11	< 2.2	< 2.08	< 2.25		< 2.22	< 2.35	
Technical Chlordane	2015-10	ug/L							< 2.5	< 2.33					< 2.41			< 2.3
Technical Chlordane	2016-03	ug/L			< 2	< 2.22												
Technical Chlordane	2016-06	ug/L			< 2.27	< 2.27												
Technical Chlordane	2020-08	ug/L	< 2.5	< 2.35	< 2.44	< 2.35	< 2.35	< 2.35	< 2.35	< 2.6	< 2.35	< 2.3	< 2.41	< 2.35	< 2.47	< 2.44	< 2.38	< 2.5
Technical Chlordane	2023-01	ug/L															< 2.27	
Technical Chlordane	2023-03	ug/L															< 2.08	
Technical Chlordane	2025-08	ug/L	< 1.8	< 1.8	< 1.8	< 1.91	< 1.81		< 1.89	< 1.8	< 1.81	< 1.85	< 1.9	< 1.81	< 1.79	< 1.91		< 1.92
Tetrachloroethene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
Tetrachloroethene	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
Tetrachloroethene	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	< 1.00	< 1.00
Tetrachloroethene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Tetrachloroethene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Tetrachloroethene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Tetrachloroethene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Tetrachloroethene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Tetrachloroethene	2013-03	ug/L	< 1.00	< 1		< 1.00	< 1.00		< 1	< 1	< 1	< 1	< 1	**0.181 J**	< 1.00	< 1.00	< 1	< 1
Tetrachloroethene	2013-05	ug/L			< 1.00			< 1.00										
Tetrachloroethene	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Tetrachloroethene	2013-11	ug/L																
Tetrachloroethene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Tetrachloroethene	2014-06	ug/L																
Tetrachloroethene	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2015-03	ug/L	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	< 1.00
Tetrachloroethene	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
Tetrachloroethene	2015-10	ug/L			< 1				< 1	< 1					< 1			< 1
Tetrachloroethene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2016-06	ug/L			< 1	< 1												
Tetrachloroethene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Styrene	2023-01	ug/L															
Styrene	2023-03	ug/L		< 1			< 1			< 1							
Styrene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Styrene	2024-03	ug/L		< 1			< 1			< 1							
Styrene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Styrene	2025-03	ug/L		< 1			< 1			< 1							
Styrene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Sulfide	2008-08	mg/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5								
Sulfide	2009-03	mg/L	< 5				< 5	< 5	< 5								
Sulfide	2010-09	mg/L	< 1.0	< 1.8 U	< 1.1 U	< 1.0	< 1.0										
Sulfide	2015-09	mg/L		< 1		< 1	< 1	< 1	< 1								
Sulfide	2015-10	mg/L	< 1		**0.275 J**					< 1							
Sulfide	2016-03	mg/L					< 1			< 1							
Sulfide	2016-06	mg/L															
Sulfide	2020-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10							
Sulfide	2023-01	mg/L															
Sulfide	2023-03	mg/L					< 1			< 1							
Sulfide	2025-08	mg/L	< 1	< 1	< 1	< 1	< 1	**0.395 J**	**0.442 J**	**0.363 J**							
Technical Chlordane	2008-09	ug/L	< 2				< 2	< 2	< 2								
Technical Chlordane	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2								
Technical Chlordane	2009-07	ug/L					< 2.00		< 2.00								
Technical Chlordane	2009-09	ug/L					< 2.00		< 2.00								
Technical Chlordane	2010-03	ug/L					< 2.00		< 2.00								
Technical Chlordane	2010-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00										
Technical Chlordane	2011-03	ug/L					< 2.00										
Technical Chlordane	2015-09	ug/L		< 2.2		< 2.22	< 2.3	< 2.22	< 2.2								
Technical Chlordane	2015-10	ug/L	< 2.33		< 2.22					< 2.33							
Technical Chlordane	2016-03	ug/L					< 2.08			< 2.22							
Technical Chlordane	2016-06	ug/L															
Technical Chlordane	2020-08	ug/L	< 2.44	< 2.35	< 2.11	< 2.41	< 2.74	< 2.3	< 2.22	< 2.2							
Technical Chlordane	2023-01	ug/L															
Technical Chlordane	2023-03	ug/L					< 2.17			< 2							
Technical Chlordane	2025-08	ug/L	< 1.88	< 1.86	< 1.89	< 1.92	< 1.82	< 1.8	< 1.81	< 1.8							
Tetrachloroethene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Tetrachloroethene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Tetrachloroethene	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
Tetrachloroethene	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
Tetrachloroethene	2010-03	ug/L	< 1.00	< 2.00	< 1.00	< 2.00	< 2.00	< 2.00	< 2.00								
Tetrachloroethene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Tetrachloroethene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Tetrachloroethene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Tetrachloroethene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Tetrachloroethene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Tetrachloroethene	2013-03	ug/L	< 1	< 1	< 25.0		< 1.00	**0.681 J**	< 1								
Tetrachloroethene	2013-05	ug/L															
Tetrachloroethene	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		**0.187 J**	< 1.00	< 1.00	< 1.00	**1.96**		
Tetrachloroethene	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	**1.92**		
Tetrachloroethene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	**0.840 J**		
Tetrachloroethene	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	**0.816 J**		
Tetrachloroethene	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	**2.39**		
Tetrachloroethene	2015-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	**0.726 J**		
Tetrachloroethene	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
Tetrachloroethene	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	**1.77**		
Tetrachloroethene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**1.51**		
Tetrachloroethene	2016-06	ug/L															
Tetrachloroethene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**2.07**		

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2017-08	ug/L	< 1	**0.399 J**	< 1	< 1	< 1	**0.189 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2017-11	ug/L																
Tetrachloroethene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2018-06	ug/L																
Tetrachloroethene	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Tetrachloroethene	2018-09	ug/L					< 1						< 1	< 1				
Tetrachloroethene	2018-11	ug/L																
Tetrachloroethene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2020-03	ug/L	< 1	< 1	< 1			< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2020-04	ug/L				< 1	< 1		< 1									
Tetrachloroethene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2021-03	ug/L							< 1	< 1	< 1	< 1						
Tetrachloroethene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2022-03	ug/L							< 1	< 1	< 1	< 1						
Tetrachloroethene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2023-01	ug/L															< 1	
Tetrachloroethene	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
Tetrachloroethene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2024-03	ug/L							< 1	< 1	< 1	< 1						
Tetrachloroethene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2025-03	ug/L							< 1	< 1	< 1	< 1						
Tetrachloroethene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Thallium	2008-08	mg/L	< 0.002	**0.00534**	< 0.002	< 0.002	< 0.002	< 0.002	**0.00625**	< 0.002	< 0.002	< 0.002	**0.00238**	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Thallium	2009-03	mg/L	< 0.002	**0.003**	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Thallium	2009-07	mg/L		**0.00485**					< 0.002			< 0.002	< 0.00200					
Thallium	2009-09	mg/L	< 0.002	**0.00474**	< 0.00200	**0.00208**	< 0.00200	< 0.00200	**0.00968**	< 0.00200	< 0.00200	< 0.002	**0.00328**	< 0.002		**0.00428**	< 0.002	< 0.002
Thallium	2010-03	mg/L	< 0.00200	**0.00562**	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	**0.00222**	< 0.00200	< 0.00200
Thallium	2010-09	mg/L	< 0.00200	**0.00380**	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	**0.00346**	< 0.00200	< 0.00200	**0.00303**	< 0.00200	< 0.00200
Thallium	2011-03	mg/L	< 0.00200	**0.00337**	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	**0.00206**	< 0.00200	< 0.00200	**0.00201**	< 0.00200	< 0.00200
Thallium	2011-09	mg/L	< 0.00200	**0.00342**	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	**0.00404**	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Thallium	2012-03	mg/L	< 0.00200	**0.00312**	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Thallium	2012-09	mg/L	< 0.00200	**0.00345**	< 0.00200	< 0.00200	< 0.00200	< 0.00200	**0.00953**	**0.00306**	**0.00987**	< 0.00200	**0.00661**	< 0.00200	< 0.00200	**0.00916**	< 0.00200	< 0.00200
Thallium	2013-03	mg/L	**0.00119 J**	**0.00684**		< 0.00200	< 0.00200		**0.0102**	< 0.002	**0.00104 J**	< 0.002	**0.00405**	**0.000853 J**	< 0.00200	**0.00166 J**	< 0.002	< 0.002
Thallium	2013-05	mg/L			< 0.00200			< 0.00200										
Thallium	2013-09	mg/L	**0.00116 J**	**0.00438**	< 0.00200	< 0.00200	< 0.00200	**0.00188 J**	**0.00428**	**0.000947 J**	**0.00122 J**	< 0.00200	**0.00491**	**0.00252**	**0.000995 J**	**0.00153 J**	< 0.00200	< 0.00200
Thallium	2013-11	mg/L																
Thallium	2014-03	mg/L	< 0.00200	**0.00233**	< 0.00200	< 0.00200	< 0.00200	**0.00155 J**	**0.00296**	**0.00290**	**0.00126 J**	< 0.00200	**0.00132 J**	**0.000804 J**	**0.000983 J**	**0.00452**	< 0.00200	< 0.00200
Thallium	2014-06	mg/L																
Thallium	2014-09	mg/L	**0.000652 J**	**0.00489**	< 0.001	**0.000061 J**	**0.000202 J**	**0.00191**	**0.00485**	**0.00396**	**0.00101**	**0.000047 J**	**0.00501**	**0.00236**	**0.00157**	**0.000954 J**	< 0.001	< 0.001
Thallium	2015-03	mg/L	**0.000622 J**	**0.00647**	**0.0000470 J**	**0.0000420 J**	**0.000122 J**	**0.000376 J**	**0.0112**	**0.000106 J**	**0.00052 J**	< 0.001	**0.00337**	**0.00219**	**0.00125**	**0.000477 J**	< 0.001	< 0.00100
Thallium	2015-09	mg/L	**0.00125**	**0.00555**		**0.00004 J**	**0.000039 J**	**0.000896 J**			**0.000596 J**	< 0.001	**0.00348**	**0.00212**		**0.000399 J**	< 0.001	
Thallium	2015-10	mg/L			< 0.001				**0.00388**	**0.000061 J**					**0.00121**			< 0.001
Thallium	2016-03	mg/L	**0.000168 J**	**0.00434**	< 0.001	**0.000028 J**	**0.000113 J**	**0.00022 J**	**0.00408**	< 0.001	**0.000628 J**	< 0.001	**0.00114**	**0.00143**	**0.00101**	**0.000272 J**	< 0.001	< 0.001
Thallium	2016-06	mg/L			< 0.001	< 0.001												
Thallium	2016-08	mg/L	**0.000659 J**	**0.00412**	< 0.001	< 0.001	< 0.001	< 0.001	**0.00674**	**0.000033 J**	< 0.001	< 0.001	**0.00223**	**0.00184**	**0.000944 J**	**0.00119**	< 0.001	< 0.001
Thallium	2017-03	mg/L	**0.0016**	**0.00444**	< 0.001	**0.000072 J**	**0.000123 J**	**0.000342 J**	**0.0043**	< 0.001	< 0.001	< 0.001	**0.00185**	**0.00198**	**0.00156**	**0.000555 J**	< 0.001	< 0.001
Thallium	2017-08	mg/L	**0.00104**	**0.00406**	< 0.001	< 0.001	**0.000068 J**	**0.00101**	**0.00182**	**0.000084 J**	**0.0004 J**	< 0.001	**0.00347**	**0.00273**	**0.00117**	**0.000444 J**	< 0.001	< 0.001
Thallium	2017-11	mg/L																
Thallium	2018-03	mg/L	**0.000638 J**	**0.00578**	< 0.001	< 0.001	**0.000073 J**	**0.000875 J**	**0.00286**	< 0.001	**0.000423 J**	< 0.001	**0.00366**	**0.00226**	**0.00124**	**0.000901 J**	**0.000153 J**	< 0.001
Thallium	2018-06	mg/L																
Thallium	2018-08	mg/L	**0.000981 J**	**0.00364**	< 0.001	< 0.001		**0.00077 J**	**0.00155**	< 0.001	**0.000313 J**	< 0.001			**0.000961 J**	**0.000464 J**	< 0.001	< 0.001
Thallium	2018-09	mg/L					< 0.001						**0.00168**	**0.00227**				
Thallium	2018-11	mg/L																
Thallium	2019-03	mg/L	**0.00127**	**0.00404**	< 0.001	< 0.001	< 0.001	**0.00106**	**0.00218**	< 0.001	< 0.001	< 0.001	< 0.001	**0.000849 J**	**0.000478 J**	< 0.001	< 0.001	< 0.001

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Tetrachloroethene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Tetrachloroethene	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.956 J**		
Tetrachloroethene	2017-11	ug/L														< 1	< 1
Tetrachloroethene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	**0.946 J**	< 1	< 1
Tetrachloroethene	2018-06	ug/L														< 1	< 1
Tetrachloroethene	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
Tetrachloroethene	2018-09	ug/L													**0.721 J**	< 1	< 1
Tetrachloroethene	2018-11	ug/L														< 1	< 1
Tetrachloroethene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.985 J**	< 1	< 1
Tetrachloroethene	2020-03	ug/L	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
Tetrachloroethene	2020-04	ug/L			< 1									< 1			
Tetrachloroethene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	**0.657 J**		< 1
Tetrachloroethene	2021-03	ug/L		< 1			< 1			< 1							
Tetrachloroethene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Tetrachloroethene	2022-03	ug/L		< 1			< 1			< 1							
Tetrachloroethene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Tetrachloroethene	2023-01	ug/L															
Tetrachloroethene	2023-03	ug/L		< 1			< 1			< 1							
Tetrachloroethene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Tetrachloroethene	2024-03	ug/L		< 1			< 1			< 1							
Tetrachloroethene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Tetrachloroethene	2025-03	ug/L		< 1			< 1			< 1							
Tetrachloroethene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Thallium	2008-08	mg/L	**0.00391**	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002								
Thallium	2009-03	mg/L	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002								
Thallium	2009-07	mg/L	**0.00590**				< 0.00200	< 0.00200									
Thallium	2009-09	mg/L	< 0.00200	< 0.00600	< 0.00200	< 0.00200	< 0.00200	< 0.00200									
Thallium	2010-03	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200								
Thallium	2010-09	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200								
Thallium	2011-03	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200								
Thallium	2011-09	mg/L	< 0.00200	< 0.00200	< 0.00400	< 0.00200	< 0.00200	< 0.00200	< 0.00200								
Thallium	2012-03	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200								
Thallium	2012-09	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200								
Thallium	2013-03	mg/L	**0.00301**	< 0.002	< 0.00200		< 0.00200	< 0.002	< 0.002								
Thallium	2013-05	mg/L															
Thallium	2013-09	mg/L	**0.00138 J**	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	~~< 0.00200~~	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200		
Thallium	2013-11	mg/L								~~< 0.00200~~	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200		
Thallium	2014-03	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	~~< 0.00200~~	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200		
Thallium	2014-06	mg/L								~~< 0.00200~~	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200		
Thallium	2014-09	mg/L	**0.00238**	< 0.001	< 0.001	**0.000143 J**	**0.000744 J**	**0.000146 J**	**0.000053 J**	~~< 0.001~~	< 0.001	< 0.001	**0.00006 J**	< 0.001	< 0.001		
Thallium	2015-03	mg/L	**0.000716 J**	< 0.00100	< 0.00100	**0.000119 J**	**0.000119 J**	**0.000066 J**	< 0.001	**0.0000960 J**	< 0.00100	< 0.00100	**0.0000460 J**	< 0.00100	< 0.00100		
Thallium	2015-09	mg/L		< 0.001		**0.000114 J**	**0.000046 J**	< 0.001	< 0.001								
Thallium	2015-10	mg/L	**0.0017**		< 0.001					< 0.001	< 0.001	< 0.001	**0.000041 J**	< 0.001	< 0.001		
Thallium	2016-03	mg/L	**0.0021**	< 0.001	< 0.001	**0.000144 J**	**0.000124 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Thallium	2016-06	mg/L															
Thallium	2016-08	mg/L	**0.00156**	< 0.001	< 0.001	**0.000151 J**	**0.00007 J**	**0.00004 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000035 J**		
Thallium	2017-03	mg/L	**0.00172**	< 0.001	< 0.001	**0.000204 J**	**0.000095 J**	< 0.001	**0.000229 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Thallium	2017-08	mg/L	**0.000966 J**	< 0.001	< 0.001	**0.000127 J**	**0.000122 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Thallium	2017-11	mg/L														< 0.001	< 0.001
Thallium	2018-03	mg/L	**0.00115**	< 0.001	< 0.001	**0.000181 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Thallium	2018-06	mg/L														< 0.001	< 0.001
Thallium	2018-08	mg/L	**0.00105**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001			
Thallium	2018-09	mg/L													< 0.001	< 0.001	< 0.001
Thallium	2018-11	mg/L														< 0.001	< 0.001
Thallium	2019-03	mg/L	**0.00209**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Thallium	2019-08	mg/L	< 0.001	**0.00429**	< 0.001	< 0.001	< 0.001	**0.000334 J**	**0.00067 J**	< 0.001	< 0.001	< 0.001	**0.00182**	**0.00239**	**0.00144**	**0.000408 J**	< 0.001	< 0.001
Thallium	2020-03	mg/L	**0.000873 J**	**0.00321**	< 0.001			**0.000342 J**		< 0.001	< 0.004	< 0.001	**0.000456 J**	**0.00216 J**	**0.00142**	**0.00101**	< 0.001	< 0.001
Thallium	2020-04	mg/L				< 0.001	< 0.001		**0.000865 J**									
Thallium	2020-08	mg/L	**0.000665 J**	**0.00279**	< 0.001	< 0.001	< 0.001	**0.000727 J**	**0.000689 J**	< 0.001	< 0.001	< 0.001	**0.00269**	**0.00301**	**0.00141**	**0.000554 J**	< 0.001	< 0.001
Thallium	2021-03	mg/L							**0.00135**	< 0.001	< 0.001	< 0.001						
Thallium	2021-08	mg/L	**0.000439 J**	**0.00369**	< 0.001	< 0.001	< 0.001	**0.000402 J**	**0.00119**	< 0.001	**0.000313 J**	< 0.001	**0.00331**	**0.00226**	**0.00149**	**0.00249**	< 0.001	< 0.001
Thallium	2022-03	mg/L							**0.00227**	< 0.004	**0.000288 J**	< 0.001						
Thallium	2022-08	mg/L	**0.000773 J**	**0.00285**	< 0.001	< 0.001	< 0.001		**0.00187**	< 0.001	< 0.001	< 0.001	**0.00175**	**0.00231**	**0.00133**	< 0.001	< 0.001	< 0.001
Thallium	2023-01	mg/L															< 0.001	
Thallium	2023-03	mg/L							**0.0041**	< 0.001	**0.00141**	< 0.001					< 0.001	
Thallium	2023-08	mg/L	**0.0012 J-**	**0.00277**	< 0.001 J	< 0.001	**0.00314**		**0.00211**	< 0.001	**0.000269 J**	< 0.001	**0.00153**	**0.00156**	**0.00139**	**0.0015 J-**	**0.000461 J**	< 0.001
Thallium	2024-03	mg/L							**0.0038**	**0.000525 J**	**0.000386 J**	< 0.001						
Thallium	2024-08	mg/L	**0.00161**	**0.00341**	< 0.001	< 0.001	< 0.001		**0.00255**	< 0.001	< 0.001	< 0.001	**0.00157**	**0.00166**	**0.000868 J**	**0.000714 J**	< 0.001	< 0.001
Thallium	2025-03	mg/L							< 0.001	< 0.001	< 0.001	< 0.001						
Thallium	2025-08	mg/L	**0.00143**	**0.00365**	< 0.001	< 0.001	< 0.001		**0.00224**	< 0.001	< 0.001	< 0.001	**0.000667 J**	**0.00141**	**0.00103**	**0.00392**	< 0.001	< 0.001
Thionazin	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10
Thionazin	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thionazin	2009-07	ug/L	< 10	< 10.0	< 10.0	< 10		< 10		< 10			< 10.0		< 10	< 10	< 10	< 10
Thionazin	2009-09	ug/L	< 10	< 10.0	< 10.0	< 10.0		< 10.0		< 10.0			< 10		< 10	< 11.2	< 10	< 10
Thionazin	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 11.2
Thionazin	2010-09	ug/L	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	
Thionazin	2011-03	ug/L	< 10.0	< 10.0	< 10.0			< 10.0		< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	
Thionazin	2011-09	ug/L																
Thionazin	2012-03	ug/L																
Thionazin	2012-09	ug/L																
Thionazin	2013-03	ug/L																
Thionazin	2013-09	ug/L																
Thionazin	2015-09	ug/L	< 11.4	< 11.1			< 11.1	< 11.6			< 10.9	< 11.1	< 10.9	< 11.2		< 11.4	< 10.5	
Thionazin	2015-10	ug/L							< 10.4	< 10.5					< 11.8			< 11.8
Thionazin	2016-03	ug/L			< 11.1	< 11.2												
Thionazin	2016-06	ug/L			< 11.4	< 11.4												
Thionazin	2020-08	ug/L	< 11.8	< 11.6	< 12.2	< 11.8	< 11.8	< 11.8	< 11.5	< 10.9	< 11.4	< 11.8	< 11.6	< 11.1	< 11.9	< 11.6	< 11.9	< 11.6
Thionazin	2023-01	ug/L															< 10.9	
Thionazin	2023-03	ug/L															< 10.4	
Thionazin	2025-08	ug/L	< 10.4	< 10.6	< 10.9	< 9.8	< 10		< 10	< 10.9	< 9.62	< 10.6	< 10.4	< 10.4	< 9.43	< 10.2		< 10.2
Tin	2008-08	mg/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tin	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tin	2009-07	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tin	2009-09	mg/L	< 0.1	< 0.100	**0.110**	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tin	2010-03	mg/L	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
Tin	2010-09	mg/L	< 0.100	< 0.100	< 0.100			< 0.100	< 0.100	< 0.100	< 0.100	< 0.100		< 0.100	< 0.100	< 0.100	< 0.100	
Tin	2011-03	mg/L	< 0.100	< 0.100	< 0.100			< 0.100	**0.149**	< 0.100	< 0.100	< 0.100	**0.172**	**0.159**	**0.193**	**0.158**	**0.206**	
Tin	2011-09	mg/L							< 0.100				< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	
Tin	2012-03	mg/L			< 0.100				< 0.100				< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	
Tin	2012-09	mg/L			< 0.100				< 0.100				< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	
Tin	2013-03	mg/L							< 0.1				< 0.1	< 0.1	< 0.100	< 0.100	< 0.1	
Tin	2013-05	mg/L			< 0.100													
Tin	2013-09	mg/L			< 0.100				< 0.100				< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	
Tin	2013-11	mg/L																
Tin	2014-03	mg/L							< 0.100				< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	
Tin	2014-06	mg/L																
Tin	2014-09	mg/L							**0.114**				**0.119**	**0.117**	**0.126**	**0.105**	**0.114**	
Tin	2015-03	mg/L							**0.0158 J**				< 0.100	< 0.100	**0.0126 J**	< 0.1	< 0.1	
Tin	2015-09	mg/L	< 0.005	< 0.005			< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	
Tin	2015-10	mg/L							< 0.005	< 0.005					< 0.005			< 0.005
Tin	2016-03	mg/L			< 0.005	< 0.005			**0.00102 J**				< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Thallium	2019-08	mg/L	**0.00139**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Thallium	2020-03	mg/L	**0.000399 J**	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001
Thallium	2020-04	mg/L			< 0.001									< 0.001			
Thallium	2020-08	mg/L	**0.000552 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Thallium	2021-03	mg/L		< 0.001			< 0.001			< 0.001							
Thallium	2021-08	mg/L	**0.00293**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Thallium	2022-03	mg/L		< 0.004			< 0.001			< 0.001							
Thallium	2022-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Thallium	2023-01	mg/L															
Thallium	2023-03	mg/L		< 0.001			< 0.001			< 0.001							
Thallium	2023-08	mg/L	**0.000636 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Thallium	2024-03	mg/L		< 0.001			< 0.001			< 0.001							
Thallium	2024-08	mg/L	**0.000693 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Thallium	2025-03	mg/L		< 0.001			< 0.001			< 0.001							
Thallium	2025-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001		< 0.001
Thionazin	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 11.1	< 10								
Thionazin	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
Thionazin	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0	< 11.4	< 10.0								
Thionazin	2009-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Thionazin	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
Thionazin	2010-09	ug/L	< 10.0	**0.318 J**	< 10.0	< 10.0	< 10.0										
Thionazin	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0									
Thionazin	2011-09	ug/L		< 10.0			< 10.0										
Thionazin	2012-03	ug/L		< 10.0			< 10.0										
Thionazin	2012-09	ug/L		< 10.0			< 10.0										
Thionazin	2013-03	ug/L		< 10.5			< 11.8										
Thionazin	2013-09	ug/L		< 10.1													
Thionazin	2015-09	ug/L		< 11		< 11.2	< 11.6	< 11.2	< 11.2								
Thionazin	2015-10	ug/L	< 11.8		< 10.3					< 11							
Thionazin	2016-03	ug/L					< 10.9			< 11.2							
Thionazin	2016-06	ug/L															
Thionazin	2020-08	ug/L	< 11.9	< 11.8	< 10.5	< 11	< 13.5	< 11.8	< 11.1	< 11.1							
Thionazin	2023-01	ug/L															
Thionazin	2023-03	ug/L					< 10			< 10							
Thionazin	2025-08	ug/L	< 10.9	< 10	< 9.8	< 10.4	< 10	< 10.4	< 10.4	< 9.8							
Tin	2008-08	mg/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1								
Tin	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05								
Tin	2009-07	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05								
Tin	2009-09	mg/L	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100									
Tin	2010-03	mg/L	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100								
Tin	2010-09	mg/L	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100										
Tin	2011-03	mg/L	**0.123**	**0.149**	**0.170**	**0.194**	**0.152**	< 0.100									
Tin	2011-09	mg/L	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100										
Tin	2012-03	mg/L	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100										
Tin	2012-09	mg/L	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100										
Tin	2013-03	mg/L	< 0.1	< 0.1	< 0.100		< 0.100										
Tin	2013-05	mg/L															
Tin	2013-09	mg/L	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100			~~< 0.100~~							
Tin	2013-11	mg/L								~~**0.349**~~							
Tin	2014-03	mg/L	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100			~~< 0.100~~							
Tin	2014-06	mg/L								~~< 0.100~~							
Tin	2014-09	mg/L	**0.112**	**0.121**	**0.134**	**0.146**	**0.114**			~~**0.089 J**~~							
Tin	2015-03	mg/L	< 0.100	< 0.100	< 0.100	< 0.100	< 0.1			< 0.100							
Tin	2015-09	mg/L		< 0.005		< 0.005	< 0.005	< 0.005	< 0.005								
Tin	2015-10	mg/L	< 0.005		< 0.005					< 0.005							
Tin	2016-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tin	2016-06	mg/L			< 0.005	< 0.005												
Tin	2016-08	mg/L			< 0.005				**0.02**				< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
Tin	2017-03	mg/L			< 0.005				< 0.005				< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
Tin	2017-08	mg/L			< 0.005				< 0.005				< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
Tin	2018-03	mg/L			< 0.005				< 0.005				< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
Tin	2018-08	mg/L			< 0.005				< 0.005						< 0.005	**0.000802 J**	< 0.005	
Tin	2018-09	mg/L											< 0.005	< 0.005				
Tin	2019-03	mg/L			< 0.005				< 0.005				< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
Tin	2019-08	mg/L			< 0.005				< 0.005				< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
Tin	2020-03	mg/L			< 0.005								< 0.005	< 0.02	< 0.005	< 0.005	< 0.005	
Tin	2020-04	mg/L							< 0.005									
Tin	2020-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tin	2021-03	mg/L							< 0.005									
Tin	2021-08	mg/L			< 0.005				< 0.005				< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
Tin	2022-03	mg/L							< 0.005									
Tin	2022-08	mg/L			< 0.005				< 0.005				< 0.005	< 0.005	< 0.005	< 0.005		
Tin	2023-01	mg/L															< 0.005	
Tin	2023-03	mg/L							< 0.005								< 0.005	
Tin	2023-08	mg/L			< 0.005				< 0.005				< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
Tin	2024-03	mg/L							< 0.005									
Tin	2024-08	mg/L			< 0.005				< 0.005				< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
Tin	2025-03	mg/L							< 0.005									
Tin	2025-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**1.2**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
Toluene	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
Toluene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	2013-03	ug/L	< 1.00	< 1		< 1.00	< 1.00		< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	**0.255 J**	< 1	**0.252 J**
Toluene	2013-05	ug/L			< 1.00			< 1.00										
Toluene	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	2013-11	ug/L																
Toluene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	2014-06	ug/L																
Toluene	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2015-03	ug/L	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**0.214 J**	< 1	< 1	< 1.00	< 1.00	< 1	**0.223 J**	< 1	< 1.00
Toluene	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			< 1	< 1	< 1	< 1		< 1	< 1	
Toluene	2015-10	ug/L			< 1				< 1	< 1					< 1			< 1
Toluene	2016-03	ug/L	< 1	< 1 J	< 1	< 1	< 1	< 1	< 1 J	< 1 J	< 1	< 1	< 1	< 1	< 1	< 1 J	< 1	< 1
Toluene	2016-06	ug/L			< 1	< 1												
Toluene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2017-03	ug/L	**0.335 J**	**0.234 J**	**1.37**	< 1	< 1	< 1	**0.22 J**	**0.306 J**	< 1	< 1	< 1	< 1	**0.403 J**	**0.329 J**	**0.192 J**	< 1
Toluene	2017-08	ug/L	**0.282 J**	**0.774 J**	**0.66 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.369 J**	**0.36 J**	**1.32**	**0.445 J**
Toluene	2017-11	ug/L																
Toluene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**0.187 J**	**0.245 J**	< 1	< 1	< 1	< 1	< 1	**0.447 J**	< 1	**0.384 J**
Toluene	2018-06	ug/L																
Toluene	2018-08	ug/L	< 1	< 1	**0.821 J**	< 1		< 1	< 1	**0.569 J**	< 1	< 1			< 1	< 1	< 1	**0.434 J**
Toluene	2018-09	ug/L					< 1						< 1	< 1				
Toluene	2018-11	ug/L																
Toluene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2019-08	ug/L	< 1	**0.556 J**	**0.512 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Tin	2016-06	mg/L															
Tin	2016-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005							
Tin	2017-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005							
Tin	2017-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005							
Tin	2018-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005							
Tin	2018-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005							
Tin	2018-09	mg/L															
Tin	2019-03	mg/L	< 0.005	**0.00356 J**	< 0.005	< 0.005	< 0.005			< 0.005							
Tin	2019-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005							
Tin	2020-03	mg/L	< 0.005	< 0.005		< 0.005	< 0.005			< 0.005							
Tin	2020-04	mg/L			< 0.005												
Tin	2020-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005		< 0.005
Tin	2021-03	mg/L		< 0.005			< 0.005			< 0.005							
Tin	2021-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005							
Tin	2022-03	mg/L		< 0.02			< 0.005			< 0.005							
Tin	2022-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005							
Tin	2023-01	mg/L															
Tin	2023-03	mg/L		< 0.005			< 0.005			< 0.005							
Tin	2023-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005							
Tin	2024-03	mg/L		< 0.005			< 0.005			< 0.005							
Tin	2024-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005							
Tin	2025-03	mg/L		< 0.005			< 0.005			< 0.005							
Tin	2025-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005				< 0.005
Toluene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Toluene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Toluene	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
Toluene	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
Toluene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Toluene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Toluene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Toluene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Toluene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Toluene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Toluene	2013-03	ug/L	< 1	< 1	< 25.0		< 1.00	< 1	< 1								
Toluene	2013-05	ug/L															
Toluene	2013-09	ug/L	< 1.00	**40.9**	**2.24**	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Toluene	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Toluene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	**0.221 J**	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Toluene	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Toluene	2014-09	ug/L	< 1	**5.38**	**2.26**	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
Toluene	2015-03	ug/L	< 1.00	**0.313 J**	< 1.00	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Toluene	2015-09	ug/L		**0.199 J**		< 1	< 1	< 1	< 1								
Toluene	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
Toluene	2016-03	ug/L	< 1	< 1 J	< 1	< 1	< 1 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Toluene	2016-06	ug/L															
Toluene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Toluene	2017-03	ug/L	**0.2 J**	< 1	< 1	< 1	**0.904 J**	**0.26 J**	**0.917 J**	< 1	< 1	< 1	< 1	< 1	< 1		
Toluene	2017-08	ug/L	< 1	< 1	**97.4**	< 1	**1.26**	**0.711 J**	**0.531 J**	< 1	< 1	< 1	< 1	< 1	< 1		
Toluene	2017-11	ug/L					**0.459 J**									< 1	< 1
Toluene	2018-03	ug/L	**0.167 J**	**0.236 J**	< 1	< 1	**0.179 J**	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2018-06	ug/L														< 1	< 1
Toluene	2018-08	ug/L	< 1	< 1	< 1	< 1	**6.56**	< 1	< 1	< 1		< 1	< 1	< 1			
Toluene	2018-09	ug/L													< 1	< 1	< 1
Toluene	2018-11	ug/L					< 1									< 1	< 1
Toluene	2019-03	ug/L	< 1	< 1	**3.6**	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2019-08	ug/L	< 1	< 1	< 1	< 1	**0.446 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Upper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2020-03	ug/L	< 1	< 1	< 1			< 1		< 1	< 1	**0.463 J**	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2020-04	ug/L				< 1	< 1		< 1									
Toluene	2020-08	ug/L	< 1	**5.78**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2021-03	ug/L							< 1	< 1	< 1	< 1						
Toluene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2022-03	ug/L							< 1	< 1	< 1	< 1						
Toluene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.727 J**
Toluene	2023-01	ug/L															< 1	
Toluene	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
Toluene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		**0.597 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2024-03	ug/L							< 1	< 1	< 1	< 1						
Toluene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2025-03	ug/L							< 1	< 1	**0.589 J**	< 1						
Toluene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Total Suspended Solids	2014-09	mg/L	**41.6**	**15.8**	**7.67**	**3.86**	**7**	**48.4**	**44.1**	**155**	**37.3**	**73.9**	**14.7**	**8.67**	< 1.88	**33**	**17**	**67.5**
Total Suspended Solids	2015-03	mg/L	**54.5**	**182**	**14.3**	< 1.76	**69.0**	**30.0**	**70.4**	**66.0**	**14**	**31.5**	< 1.76	< 1.76	< 2.5	**13**	**9.5**	**7.25**
Total Suspended Solids	2015-09	mg/L	**39.9**	**20.6**		**1.88**	**73.9**	**25**			**35.6**	**49**	**7.62**	< 1.88		**22**	**14.7**	
Total Suspended Solids	2015-10	mg/L			**12.4**				**41.5**	**87.8**					< 1.88			**10.4**
Total Suspended Solids	2016-01	mg/L				< 5.00												
Total Suspended Solids	2016-03	mg/L	**44.3**	**9.33**	**7.67**	**1.76**	**14.3**	**55.2**	**82.4 J**	**223**	**85.7**	**60.2**	< 9.55	< 18.3	**1.25 J**	**23**	**22.5**	**17.8**
Total Suspended Solids	2016-06	mg/L			**5.75**	**0.875 J**												
Total Suspended Solids	2016-08	mg/L	**51.3**	**12**	**6.75**	**1 J**	**50**	**27.6**	**66.2**	**204**	**83.1**	**100**	**37.6**	< 1.88	**1 J**	**32.6**	**21.3**	**17.1**
Total Suspended Solids	2017-03	mg/L	**12.4**	**6.75**	**7.88**	< 1.88	**40.6**	**53.9**	**48**	**160**	**41**	**75**	**2.63**	**7**	**2.88**	**12.5**	**13.5**	**7**
Total Suspended Solids	2017-08	mg/L	**45.8**	**7.13**	**8.88**	**0.875 J**	**25.3**	**10**	**43.4**	**150**	**37.1**	**86.6**	**5**	**3.75**	< 1.88	**15.3**	**12**	**10.9**
Total Suspended Solids	2017-11	mg/L																
Total Suspended Solids	2018-03	mg/L	**43.6**	**16.5**	**7.75**	**0.625 J**	**96**	**14.5**	**49.8**	**83.7**	**56.9**	**42.5**	**0.75 J**	**0.75 J**	**1.25 J**	**18**	**9**	**5**
Total Suspended Solids	2018-06	mg/L																
Total Suspended Solids	2018-08	mg/L	**33**	**8**	**6.12**	**1 J**		**20**	**43.1**	**159**	**62.9**	**99.3**			**1.25 J**	**25**	**14.5**	**6.25**
Total Suspended Solids	2018-09	mg/L					**64.8**						**36.5**	**6**				
Total Suspended Solids	2018-11	mg/L																
Total Suspended Solids	2019-03	mg/L	< 1.88	**7**	**10.6**	**1.13 J**	**44.9**	**28.4**	**40.8**	**158**	**15.2**	**64**	< 1.88	**1.25 J**	< 1.88	**5.37**	**11.5**	**7.5**
Total Suspended Solids	2019-08	mg/L	**39.5**	**10.6**	**6.75**	**1.25 J**	**1 J**	**36**	**68**	**110**	**35.3**	**90.5**	**1.13 J**	**8.5**	**2**	**6.25**	**17.3**	**8.87**
Total Suspended Solids	2020-03	mg/L	**19**	**9**	**6.25**			**48**		**130**	**46**	**60**	< 1.88	**6**	**1.25 J**	**11**	**14 J**	**4.63**
Total Suspended Solids	2020-04	mg/L				**0.875 J**	**7.13**		**25.5**									
Total Suspended Solids	2020-08	mg/L	**27.3**	**23.7 J**	**4.38**	**1.75 J**	**15.1**	**11.3**	**36.5**	**102**	**12.3**	**72.8**	**5**	**4.75**	**1.5 J**	**13.6**	**15.5**	**8.5**
Total Suspended Solids	2021-03	mg/L							**31.5**	**155**	**46**	**59**						
Total Suspended Solids	2021-08	mg/L	**31**	**19.3**	**9**	< 5	**65**	**27.5**	**25**	**94**	**20**	**67.7**	**0.875 J**	**16.3**	**1.5 J**	**14.7**	**8**	**8.5**
Total Suspended Solids	2022-03	mg/L							**26**	**134**	**66**	**31**						
Total Suspended Solids	2022-08	mg/L	**21.5**	**13.5**	**4.25**	**4.62**	**86**		**24**	**126**	**47**	**66**	**2.38**	**3.75**	**1.88**	**12.3**	**4.25**	**4.88**
Total Suspended Solids	2023-01	mg/L															**5**	
Total Suspended Solids	2023-03	mg/L							**36**	**154**	**47**	**57**					**12.8**	
Total Suspended Solids	2023-08	mg/L	**25**	**13**	**5**	**4**	**89**		**31.7**	**113**	**36.7**	**47.3**	**6.25**	**21.7**	**1.88**	**8.75**	**9.67**	**3.5**
Total Suspended Solids	2024-03	mg/L							**26.3**	**144**	**38.5**	**59**						
Total Suspended Solids	2024-08	mg/L	**27.8**	**17.7**	**1.75 J**	**2.5**	**4.88**		**23**	**127**	**56**	**61**	**15**	< 1.88	< 1.88	**10.6**	**11.8**	**14**
Total Suspended Solids	2025-03	mg/L							**16.5**	**110**	**73**	**68**						
Total Suspended Solids	2025-08	mg/L	**29**	**10.6**	**5.88**	**4.67 J**	**12.5**		**44**	**87**	**49**	**57.7**	**5.5**	< 1.88	< 1.88	**15.3**	**10.8**	**20.5**
Toxaphene	2008-08	ug/L	< 0.53			< 0.54	< 0.62	< 0.52	< 0.61	< 0.47	< 0.53	< 0.53	< 0.56	< 0.56	< 0.58	< 0.53		< 0.53
Toxaphene	2008-09	ug/L		< 2	< 2												< 2	
Toxaphene	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toxaphene	2009-07	ug/L			< 2.00									< 2.00			< 2	
Toxaphene	2009-09	ug/L			< 2.00									< 2.25			< 2	
Toxaphene	2010-03	ug/L			< 2.00									< 2.00			< 2.00	
Toxaphene	2010-09	ug/L	< 2.00	< 2.00	< 2.00			< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		< 2.00	< 2.00	< 2.00	< 2.00	
Toxaphene	2011-03	ug/L			< 2.00				< 2.00								< 2.00	
Toxaphene	2015-09	ug/L	< 2.25	< 2.22			< 2.2	< 2.41			< 2.11	< 2.2	< 2.08	< 2.25		< 2.22	< 2.35	
Toxaphene	2015-10	ug/L							< 2.5	< 2.33					< 2.41			< 2.3

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Table 14
Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Toluene	2020-03	ug/L	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
Toluene	2020-04	ug/L			< 1									< 1			
Toluene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Toluene	2021-03	ug/L		< 1			< 1			< 1							
Toluene	2021-08	ug/L	< 1	**0.609 J**	< 1	**0.638 J**	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Toluene	2022-03	ug/L		< 1			< 1			< 1							
Toluene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Toluene	2023-01	ug/L															
Toluene	2023-03	ug/L		< 1			< 1			< 1							
Toluene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Toluene	2024-03	ug/L		< 1			< 1			< 1							
Toluene	2024-08	ug/L	< 1	< 1	**68.9**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Toluene	2025-03	ug/L		< 1			< 1			< 1							
Toluene	2025-08	ug/L	**0.541 J**	**57.5**	**4.62**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Total Suspended Solids	2014-09	mg/L	**53**	**78**	**71.7**	**153**	**3.2**	**154**	**44**	**23.7**	**18.3**	**19.3**	**28.5**	**60**	**64**		
Total Suspended Solids	2015-03	mg/L	**47.0**	**82.7**	**34.7**	**13.5**	< 2.5	**72.5**	**4.67**	**5.76**	< 1.76	**1.65 J**	**12.2**	**14.6**	< 1.76		
Total Suspended Solids	2015-09	mg/L		**46.5**		**13**	**2**	**31.3**	< 1.88								
Total Suspended Solids	2015-10	mg/L	**33.5**		**28.1**					< 1.88	< 1.88	< 1.88	**2.2 J**	**10**	< 1.88		
Total Suspended Solids	2016-01	mg/L															
Total Suspended Solids	2016-03	mg/L	**23.6**	**40.6**	**44.4**	**12.9**	**3.25**	**31.3**	**4 J**	< 1.88	**9.88**	**0.875 J**	**1 J**	**12**	< 1.76		
Total Suspended Solids	2016-06	mg/L															
Total Suspended Solids	2016-08	mg/L	**34.6**	**41**	**16.2**	**22.6**	**2.88**	**47**	**2.13**	**3.5**	**0.875 J**	< 1.88	< 1.88	**24.3**	**3.38**		
Total Suspended Solids	2017-03	mg/L	**22**	**36.6**	**36**	**21.9**	**3.25**	**18.3**	**2.25**	< 1.88	< 1.88	< 1.88	< 1.88	**37.5**	**0.625 J**		
Total Suspended Solids	2017-08	mg/L	**32.5**	**40.5**	**59.2**	**12**	**5.63**	**15.4**	**2.75**	< 1.88	< 1.88	< 1.88	**1.13 J**	**54.1**	< 1.88		
Total Suspended Solids	2017-11	mg/L														**2.38**	< 1.88
Total Suspended Solids	2018-03	mg/L	**14.1**	**58.9**	**46**	**10.1**	**1.13 J**	**31**	**1.38 J**	**0.875 J**	< 1.88	< 1.88	< 1.88	**13.6**	< 1.88	**4**	**6.88**
Total Suspended Solids	2018-06	mg/L			**59**											**1.5 J**	< 1.88
Total Suspended Solids	2018-08	mg/L	**31.5**	**45.3**	**50.1**	**19.6**	**3.38**	**49**	< 5	< 1.88		**0.875 J**	**1.13 J**	**16**			
Total Suspended Solids	2018-09	mg/L													< 1.88	< 1.88	**1 J**
Total Suspended Solids	2018-11	mg/L														**1.75 J**	**0.75 J**
Total Suspended Solids	2019-03	mg/L	**13.1**	**23.8**	**78.3**	**36**	**0.875 J**	< 1.88	**3.38**	< 1.88		**1.13 J**	< 1.88	**26.8**	< 1.88	**4.75**	< 1.88
Total Suspended Solids	2019-08	mg/L	**33**	**72**	**44.7**	**5.25**	**2.63**	**175**	**3.63**	< 1.88	**1.13 J**	< 1.88	< 1.88	**25**	< 1.88	< 1.88	**1.75 J**
Total Suspended Solids	2020-03	mg/L	**27**	**60**		**6.5**	**3.38**	**25**	**1.25 J**	**3.25**	**7.37**	< 1.88	**1.13 J**		**1.88**	**1.38 J**	**1 J**
Total Suspended Solids	2020-04	mg/L			**37**									**13.3**			
Total Suspended Solids	2020-08	mg/L	**26.6**	**30**	**42.7**	**7.75**	**2.38**	**13.7**	**2.38**	**1.63 J**			< 1.88	**17.9**	< 1.88		< 1.88
Total Suspended Solids	2021-03	mg/L		**53**			**1.13 J**			**25.7**							
Total Suspended Solids	2021-08	mg/L	**36.5**	**40.9**	**47.6**	**13**	**2.13**	**22.5**	**2.75**	< 1.88			< 1.88	**9.75**	< 1.88		**1.5 J**
Total Suspended Solids	2022-03	mg/L		**22**			**0.875 J**			**2.75**							
Total Suspended Solids	2022-08	mg/L	**21.8**	**59**	**34**	**7.5**	< 1.88	**22**	**6.75**	< 1.88			**1.63 J**	**10**	< 1.88		**4.75**
Total Suspended Solids	2023-01	mg/L															
Total Suspended Solids	2023-03	mg/L		**47**			< 1.88			**12.6**							
Total Suspended Solids	2023-08	mg/L	**17.5**	**76**	**33.7**	**8**	< 1.88	**19**	**6.75**	**0.875 J**			**2**	**12.5**	**1 J**		**1.13 J**
Total Suspended Solids	2024-03	mg/L		**30**			**1.38 J**			**1.88**							
Total Suspended Solids	2024-08	mg/L	**16**	**53**	**47**	**4.88**	< 1.88	**21**	**2.88**	< 1.88			**2.25**	**17.5**	< 1.88		< 1.88
Total Suspended Solids	2025-03	mg/L		**80**			< 1.88			**3.75**							
Total Suspended Solids	2025-08	mg/L	**21.8**	**101**	**72**	**5.13**	**7.13**	**22.5**	**4.6**	< 1.88			< 1.9	**44**	< 1.88		< 1.9
Toxaphene	2008-08	ug/L		< 0.47	< 0.51	< 0.55											
Toxaphene	2008-09	ug/L	< 2				< 2	< 2	< 2								
Toxaphene	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2								
Toxaphene	2009-07	ug/L					< 2.00		< 2.00								
Toxaphene	2009-09	ug/L					< 2.00		< 2.00								
Toxaphene	2010-03	ug/L					< 2.00		< 2.00								
Toxaphene	2010-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00										
Toxaphene	2011-03	ug/L					< 2.00										
Toxaphene	2015-09	ug/L		< 2.2		< 2.22	< 2.3	< 2.22	< 2.2								
Toxaphene	2015-10	ug/L	< 2.33		< 2.22					< 2.33							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 — **Analytical Data Summary - Upper Bedrock Appendix II**

Permit No. 57-SDP-03-75C — **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toxaphene	2016-03	ug/L			< 2	< 2.22												
Toxaphene	2016-06	ug/L			< 2.27	< 2.27												
Toxaphene	2020-08	ug/L	< 2.5	< 2.35	< 2.44	< 2.35	< 2.35	< 2.35	< 2.35	< 2.6	< 2.35	< 2.3	< 2.41	< 2.35	< 2.47	< 2.44	< 2.38	< 2.5
Toxaphene	2023-01	ug/L															< 2.27	
Toxaphene	2023-03	ug/L															< 2.08	
Toxaphene	2025-08	ug/L	< 1.8	< 1.8	< 1.8	< 1.91	< 1.81		< 1.89	< 1.8	< 1.81	< 1.85	< 1.9	< 1.81	< 1.79	< 1.91		< 1.92
trans-1,2-Dichloroethene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2009-07	ug/L	< 1	< 1.00		< 1		< 1	**1.17**	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
trans-1,2-Dichloroethene	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	
trans-1,2-Dichloroethene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
trans-1,2-Dichloroethene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
trans-1,2-Dichloroethene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
trans-1,2-Dichloroethene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
trans-1,2-Dichloroethene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
trans-1,2-Dichloroethene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
trans-1,2-Dichloroethene	2013-03	ug/L	< 1.00	**0.357 J**		< 1.00	< 1.00		**0.749 J**	**0.264 J**	**0.373 J**	< 1	< 1	< 1	< 1.00	**0.338 J**	< 1	< 1
trans-1,2-Dichloroethene	2013-05	ug/L			< 1.00			< 1.00										
trans-1,2-Dichloroethene	2013-09	ug/L	< 1.00	**0.448 J**	< 1.00	< 1.00	< 1.00	< 1.00	**0.678 J**	**0.229 J**	**0.418 J**	< 1.00	< 1.00	**0.364 J**	< 1.00	**0.541 J**	< 1.00	< 1.00
trans-1,2-Dichloroethene	2013-11	ug/L																
trans-1,2-Dichloroethene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**0.648 J**	< 1.00	**0.497 J**	< 1.00	< 1.00	< 1.00	**0.305 J**	< 1.00	< 1.00	< 1.00
trans-1,2-Dichloroethene	2014-06	ug/L																
trans-1,2-Dichloroethene	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**0.72 J**	**0.263 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2015-03	ug/L	< 1	**0.274 J**	< 1.00	< 1.00	< 1.00	< 1.00	**0.494 J**	**0.250 J**	**0.337 J**	< 1	< 1.00	< 1.00	< 1	**0.425 J**	< 1	< 1.00
trans-1,2-Dichloroethene	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			**0.309 J**	< 1	< 1	< 1		< 1	< 1	
trans-1,2-Dichloroethene	2015-10	ug/L			< 1				**0.974 J**	< 1					< 1			< 1
trans-1,2-Dichloroethene	2016-03	ug/L	< 1	**0.261 J**	< 1	< 1	< 1	< 1	< 1	**0.235 J**	**0.237 J**	< 1	< 1	< 1	< 1	**0.502 J**	< 1	< 1
trans-1,2-Dichloroethene	2016-06	ug/L			< 1	< 1												
trans-1,2-Dichloroethene	2016-08	ug/L	< 1	**0.275 J**	< 1	< 1	< 1	< 1	**0.42 J**	< 1	< 1	< 1	< 1	< 1	< 1	**0.472 J**	< 1	< 1
trans-1,2-Dichloroethene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**0.528 J**	< 1	< 1	< 1	< 1	< 1	< 1	**0.256 J**	< 1	< 1
trans-1,2-Dichloroethene	2017-08	ug/L	< 1	**0.222 J**	< 1	< 1	< 1	< 1	**0.454 J**	< 1	< 1	< 1	< 1	< 1	< 1	**0.426 J**	< 1	< 1
trans-1,2-Dichloroethene	2017-11	ug/L																
trans-1,2-Dichloroethene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**0.498 J**	**0.297 J**	< 1	< 1	< 1	< 1	< 1	**0.475 J**	< 1	< 1
trans-1,2-Dichloroethene	2018-06	ug/L																
trans-1,2-Dichloroethene	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	**0.525 J**	< 1	< 1	< 1			< 1	**0.456 J**	< 1	< 1
trans-1,2-Dichloroethene	2018-09	ug/L					< 1						< 1	< 1				
trans-1,2-Dichloroethene	2018-11	ug/L																
trans-1,2-Dichloroethene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**0.449 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**0.529 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2020-03	ug/L	< 1	**0.274 J**	< 1			< 1		< 1	< 1	< 1	< 1	< 1	< 1	**0.31 J**	< 1	< 1
trans-1,2-Dichloroethene	2020-04	ug/L				< 1	< 1		**0.357 J**									
trans-1,2-Dichloroethene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**0.4 J**	< 1	< 1	< 1	< 1	< 1	< 1	**0.372 J**	< 1	< 1
trans-1,2-Dichloroethene	2021-03	ug/L							**0.336 J**	< 1	< 1	< 1						
trans-1,2-Dichloroethene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	**0.381 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2022-03	ug/L							**0.382 J**	< 1	< 1	< 1						
trans-1,2-Dichloroethene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2023-01	ug/L															< 1	
trans-1,2-Dichloroethene	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
trans-1,2-Dichloroethene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2024-03	ug/L							< 1	< 1	< 1	< 1						
trans-1,2-Dichloroethene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		**0.308 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2025-03	ug/L							< 1	< 1	< 1	< 1						
trans-1,2-Dichloroethene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2009-07	ug/L	< 5	< 5.00		< 5		< 5	< 5	< 5	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Toxaphene	2016-03	ug/L					< 2.08			< 2.22							
Toxaphene	2016-06	ug/L															
Toxaphene	2020-08	ug/L	< 2.44	< 2.35	< 2.11	< 2.41	< 2.74	< 2.3	< 2.22	< 2.2							
Toxaphene	2023-01	ug/L															
Toxaphene	2023-03	ug/L					< 2.17			< 2							
Toxaphene	2025-08	ug/L	< 1.88	< 1.86	< 1.89	< 1.92	< 1.82	< 1.8	< 1.81	< 1.8							
trans-1,2-Dichloroethene	2008-08	ug/L	< 1	< 1	**1.27**	< 1	< 1	< 1	< 1								
trans-1,2-Dichloroethene	2009-03	ug/L	< 1	< 1	**3.16**	< 1	< 1	< 1	< 1								
trans-1,2-Dichloroethene	2009-07	ug/L	< 1.00	< 1	**2.7**	< 1	< 1.00										
trans-1,2-Dichloroethene	2009-09	ug/L	< 1.00	< 5.00	**1.84**	< 1.00	< 1.00										
trans-1,2-Dichloroethene	2010-03	ug/L	**1.13**	< 1.00	**1.59**	< 1.00	< 1.00	< 1.00	< 1.00								
trans-1,2-Dichloroethene	2010-09	ug/L	< 1.00	< 1.00	**2.72**	< 1.00	< 1.00	< 1.00	< 1.00								
trans-1,2-Dichloroethene	2011-03	ug/L	< 1.00	< 1.00	**1.59**	< 1.00	< 1.00	< 1.00	< 1.00								
trans-1,2-Dichloroethene	2011-09	ug/L	**1.02**	< 1.00	**2.22**	< 1.00	< 1.00	< 1.00	< 1.00								
trans-1,2-Dichloroethene	2012-03	ug/L	< 1.00	< 1.00	**2.00**	< 1.00	< 1.00	< 1.00	< 1.00								
trans-1,2-Dichloroethene	2012-09	ug/L	**1.07**	< 1.00	**1.36**	< 1.00	< 1.00	< 1.00	< 1.00								
trans-1,2-Dichloroethene	2013-03	ug/L	**0.805 J**	< 1	< 25.0		< 1.00	< 1	< 1								
trans-1,2-Dichloroethene	2013-05	ug/L															
trans-1,2-Dichloroethene	2013-09	ug/L	**0.782 J**	< 1.00	**1.24**	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
trans-1,2-Dichloroethene	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
trans-1,2-Dichloroethene	2014-03	ug/L	**0.762 J**	< 1.00	**1.04**	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
trans-1,2-Dichloroethene	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
trans-1,2-Dichloroethene	2014-09	ug/L	**0.36 J**	< 1	**0.917 J**	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
trans-1,2-Dichloroethene	2015-03	ug/L	**0.753 J**	< 1.00	**1.65**	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
trans-1,2-Dichloroethene	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
trans-1,2-Dichloroethene	2015-10	ug/L	**1.31**		**2.26**					< 1	< 1	< 1	< 1	< 1	< 1		
trans-1,2-Dichloroethene	2016-03	ug/L	**1.19**	< 1	**1.45**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
trans-1,2-Dichloroethene	2016-06	ug/L															
trans-1,2-Dichloroethene	2016-08	ug/L	**0.979 J**	< 1	**1.3**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
trans-1,2-Dichloroethene	2017-03	ug/L	**0.759 J**	< 1	**1.29**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
trans-1,2-Dichloroethene	2017-08	ug/L	**0.723 J**	< 1	**1.66**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
trans-1,2-Dichloroethene	2017-11	ug/L														< 1	< 1
trans-1,2-Dichloroethene	2018-03	ug/L	**0.878 J**	< 1	**1.52**	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2018-06	ug/L														< 1	< 1
trans-1,2-Dichloroethene	2018-08	ug/L	**0.837 J**	< 1	**2.06**	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
trans-1,2-Dichloroethene	2018-09	ug/L													< 1	< 1	< 1
trans-1,2-Dichloroethene	2018-11	ug/L														< 1	< 1
trans-1,2-Dichloroethene	2019-03	ug/L	**0.929 J**	< 1	**1.03**	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2019-08	ug/L	**1.2**	< 1	**1.66**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2020-03	ug/L	**0.789 J**	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
trans-1,2-Dichloroethene	2020-04	ug/L			**0.817 J**									< 1			
trans-1,2-Dichloroethene	2020-08	ug/L	**1**	< 1	**1.38**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
trans-1,2-Dichloroethene	2021-03	ug/L		< 1			< 1			< 1							
trans-1,2-Dichloroethene	2021-08	ug/L	**1.38 J+**	< 1	**1.52**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
trans-1,2-Dichloroethene	2022-03	ug/L		< 1			< 1			< 1							
trans-1,2-Dichloroethene	2022-08	ug/L	**0.83 J**	< 1	**1.07**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
trans-1,2-Dichloroethene	2023-01	ug/L															
trans-1,2-Dichloroethene	2023-03	ug/L		< 1			< 1			< 1							
trans-1,2-Dichloroethene	2023-08	ug/L	**0.516 J**	< 1	**1.02**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
trans-1,2-Dichloroethene	2024-03	ug/L		< 1			< 1			< 1							
trans-1,2-Dichloroethene	2024-08	ug/L	**0.881 J**	< 1	**0.893 J**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
trans-1,2-Dichloroethene	2025-03	ug/L		< 1			< 1			< 1							
trans-1,2-Dichloroethene	2025-08	ug/L	**0.594 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
trans-1,3-Dichloropropene	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5								
trans-1,3-Dichloropropene	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5								
trans-1,3-Dichloropropene	2009-07	ug/L	< 5.00	< 5	< 5	< 5	< 5.00										

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	2009-09	ug/L	< 5	< 5.00		< 5.00		< 5.00	< 5.00	< 25.0	< 5.00	< 5	< 5	< 5	< 5	< 5	< 5	
trans-1,3-Dichloropropene	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
trans-1,3-Dichloropropene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 5.00	< 5.00	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 5.00	< 10.0	< 10.0	< 10.0	< 10.0	< 5.00
trans-1,3-Dichloropropene	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 50.0	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
trans-1,3-Dichloropropene	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
trans-1,3-Dichloropropene	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
trans-1,3-Dichloropropene	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
trans-1,3-Dichloropropene	2013-03	ug/L	< 5.00	< 5		< 5.00	< 5.00		< 5	< 5	< 5	< 5	< 5	< 5	< 5.00	< 5.00	< 5	< 5
trans-1,3-Dichloropropene	2013-05	ug/L			< 5.00			< 5.00										
trans-1,3-Dichloropropene	2013-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
trans-1,3-Dichloropropene	2013-11	ug/L																
trans-1,3-Dichloropropene	2014-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
trans-1,3-Dichloropropene	2014-06	ug/L																
trans-1,3-Dichloropropene	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2015-03	ug/L	< 5	< 5	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5	< 5.00
trans-1,3-Dichloropropene	2015-09	ug/L	< 5	< 5		< 5	< 5	< 5			< 5	< 5	< 5	< 5		< 5	< 5	
trans-1,3-Dichloropropene	2015-10	ug/L			< 5				< 5	< 5					< 5			< 5
trans-1,3-Dichloropropene	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2016-06	ug/L			< 5	< 5												
trans-1,3-Dichloropropene	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2017-11	ug/L																
trans-1,3-Dichloropropene	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2018-06	ug/L																
trans-1,3-Dichloropropene	2018-08	ug/L	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2018-09	ug/L					< 5						< 5	< 5				
trans-1,3-Dichloropropene	2018-11	ug/L																
trans-1,3-Dichloropropene	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2020-03	ug/L	< 5	< 5	< 5			< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2020-04	ug/L				< 5	< 5		< 5									
trans-1,3-Dichloropropene	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2021-03	ug/L							< 5	< 5	< 5	< 5						
trans-1,3-Dichloropropene	2021-08	ug/L	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2022-03	ug/L							< 5	< 5	< 5	< 5						
trans-1,3-Dichloropropene	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2023-01	ug/L															< 5	
trans-1,3-Dichloropropene	2023-03	ug/L							< 5	< 5	< 5	< 5					< 5	
trans-1,3-Dichloropropene	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2024-03	ug/L							< 5	< 5	< 5	< 5						
trans-1,3-Dichloropropene	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2025-03	ug/L							< 5	< 5	< 5	< 5						
trans-1,3-Dichloropropene	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,4-Dichloro-2-butene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2009-07	ug/L	< 10	< 10.0		< 10		< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	
trans-1,4-Dichloro-2-butene	2009-09	ug/L	< 10	< 10.0		< 10.0		< 10.0	< 10.0	< 50.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	
trans-1,4-Dichloro-2-butene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 100	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2013-03	ug/L	< 10.0	< 10		< 10.0	< 10.0		< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10
trans-1,4-Dichloro-2-butene	2013-05	ug/L			< 10.0			< 10.0										

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
trans-1,3-Dichloropropene	2009-09	ug/L	< 5.00	< 25.0	< 5.00	< 5.00	< 5.00										
trans-1,3-Dichloropropene	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
trans-1,3-Dichloropropene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 5.00	< 5.00								
trans-1,3-Dichloropropene	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
trans-1,3-Dichloropropene	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
trans-1,3-Dichloropropene	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
trans-1,3-Dichloropropene	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00								
trans-1,3-Dichloropropene	2013-03	ug/L	< 5	< 5	< 125		< 5.00	< 5	< 5								
trans-1,3-Dichloropropene	2013-05	ug/L															
trans-1,3-Dichloropropene	2013-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
trans-1,3-Dichloropropene	2013-11	ug/L									< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
trans-1,3-Dichloropropene	2014-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
trans-1,3-Dichloropropene	2014-06	ug/L									< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
trans-1,3-Dichloropropene	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5		
trans-1,3-Dichloropropene	2015-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5	< 5	< 5		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
trans-1,3-Dichloropropene	2015-09	ug/L		< 5		< 5	< 5	< 5	< 5								
trans-1,3-Dichloropropene	2015-10	ug/L	< 5		< 5					< 5	< 5	< 5	< 5	< 5	< 5		
trans-1,3-Dichloropropene	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
trans-1,3-Dichloropropene	2016-06	ug/L															
trans-1,3-Dichloropropene	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
trans-1,3-Dichloropropene	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
trans-1,3-Dichloropropene	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
trans-1,3-Dichloropropene	2017-11	ug/L														< 5	< 5
trans-1,3-Dichloropropene	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2018-06	ug/L														< 5	< 5
trans-1,3-Dichloropropene	2018-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5			
trans-1,3-Dichloropropene	2018-09	ug/L													< 5	< 5	< 5
trans-1,3-Dichloropropene	2018-11	ug/L														< 5	< 5
trans-1,3-Dichloropropene	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2020-03	ug/L	< 5	< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5
trans-1,3-Dichloropropene	2020-04	ug/L			< 5									< 5			
trans-1,3-Dichloropropene	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
trans-1,3-Dichloropropene	2021-03	ug/L		< 5			< 5			< 5							
trans-1,3-Dichloropropene	2021-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
trans-1,3-Dichloropropene	2022-03	ug/L		< 5			< 5			< 5							
trans-1,3-Dichloropropene	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
trans-1,3-Dichloropropene	2023-01	ug/L															
trans-1,3-Dichloropropene	2023-03	ug/L		< 5			< 5			< 5							
trans-1,3-Dichloropropene	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
trans-1,3-Dichloropropene	2024-03	ug/L		< 5			< 5			< 5							
trans-1,3-Dichloropropene	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
trans-1,3-Dichloropropene	2025-03	ug/L		< 5			< 5			< 5							
trans-1,3-Dichloropropene	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5		< 5
trans-1,4-Dichloro-2-butene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
trans-1,4-Dichloro-2-butene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10								
trans-1,4-Dichloro-2-butene	2009-07	ug/L	< 10.0	< 10	< 10	< 10	< 10.0										
trans-1,4-Dichloro-2-butene	2009-09	ug/L	< 10.0	< 50.0	< 10.0	< 10.0	< 10.0										
trans-1,4-Dichloro-2-butene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
trans-1,4-Dichloro-2-butene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
trans-1,4-Dichloro-2-butene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
trans-1,4-Dichloro-2-butene	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
trans-1,4-Dichloro-2-butene	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
trans-1,4-Dichloro-2-butene	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0								
trans-1,4-Dichloro-2-butene	2013-03	ug/L	< 10	< 10	< 250		< 10.0	< 10	< 10								
trans-1,4-Dichloro-2-butene	2013-05	ug/L															

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,4-Dichloro-2-butene	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2013-11	ug/L																
trans-1,4-Dichloro-2-butene	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2014-06	ug/L																
trans-1,4-Dichloro-2-butene	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2015-03	ug/L	< 10	< 10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
trans-1,4-Dichloro-2-butene	2015-09	ug/L	< 10	< 10		< 10	< 10	< 10			< 10	< 10	< 10	< 10		< 10	< 10	
trans-1,4-Dichloro-2-butene	2015-10	ug/L			< 10				< 10	< 10					< 10			< 10
trans-1,4-Dichloro-2-butene	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2016-06	ug/L			< 10	< 10												
trans-1,4-Dichloro-2-butene	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2017-11	ug/L																
trans-1,4-Dichloro-2-butene	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2018-06	ug/L																
trans-1,4-Dichloro-2-butene	2018-08	ug/L	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2018-09	ug/L					< 10						< 10	< 10				
trans-1,4-Dichloro-2-butene	2018-11	ug/L																
trans-1,4-Dichloro-2-butene	2019-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2020-03	ug/L	< 10	< 10	< 10			< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2020-04	ug/L				< 10	< 10		< 10									
trans-1,4-Dichloro-2-butene	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2021-03	ug/L							< 10	< 10	< 10	< 10						
trans-1,4-Dichloro-2-butene	2021-08	ug/L	< 10	< 10	< 10	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2022-03	ug/L							< 10	< 10	< 10	< 10						
trans-1,4-Dichloro-2-butene	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2023-01	ug/L															< 10	
trans-1,4-Dichloro-2-butene	2023-03	ug/L							< 10	< 10	< 10	< 10					< 10	
trans-1,4-Dichloro-2-butene	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2024-03	ug/L							< 10	< 10	< 10	< 10						
trans-1,4-Dichloro-2-butene	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2025-03	ug/L							< 10	< 10	< 10	< 10						
trans-1,4-Dichloro-2-butene	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Trichloroethene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**1.11**	**1.99**	**4.98**	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**4.08**	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2009-07	ug/L	< 1	< 1.00		< 1		< 1	< 1	< 1	**3.9**	< 1	< 1.00	< 1.00	< 1	< 1	< 1	
Trichloroethene	2009-09	ug/L	< 1	< 1.00		< 1.00		< 1.00	< 1.00	< 5.00	**3.85**	< 1	< 1	< 1	< 1	< 1	< 1	
Trichloroethene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**2.47**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Trichloroethene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**3.99**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Trichloroethene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 1.00	< 1.00	**1.27**	**2.88**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Trichloroethene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**2.98**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Trichloroethene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**2.90**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Trichloroethene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**3.35**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Trichloroethene	2013-03	ug/L	< 1.00	**0.271 J**		< 1.00	< 1.00		< 1	< 1	**3.63**	< 1	< 1	< 1	< 1.00	< 1.00	< 1	< 1
Trichloroethene	2013-05	ug/L			< 1.00			< 1.00										
Trichloroethene	2013-09	ug/L	< 1.00	**0.239 J**	< 1.00	< 1.00	< 1.00	< 1.00	**0.265 J**	< 1.00	**2.44**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Trichloroethene	2013-11	ug/L																
Trichloroethene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**2.31**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Trichloroethene	2014-06	ug/L																
Trichloroethene	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	**0.286 J**	**0.236 J**	< 1	**2.19**	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2015-03	ug/L	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**0.246 J**	**1.46**	< 1	< 1.00	< 1.00	< 1	< 1	< 1	< 1.00
Trichloroethene	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			**1.34**	< 1	< 1	< 1		< 1	< 1	
Trichloroethene	2015-10	ug/L			< 1				< 1	< 1					< 1			< 1
Trichloroethene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**1.24**	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
trans-1,4-Dichloro-2-butene	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
trans-1,4-Dichloro-2-butene	2013-11	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
trans-1,4-Dichloro-2-butene	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
trans-1,4-Dichloro-2-butene	2014-06	ug/L									< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
trans-1,4-Dichloro-2-butene	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10		
trans-1,4-Dichloro-2-butene	2015-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
trans-1,4-Dichloro-2-butene	2015-09	ug/L		< 10		< 10	< 10	< 10	< 10								
trans-1,4-Dichloro-2-butene	2015-10	ug/L	< 10		< 10					< 10	< 10	< 10	< 10	< 10	< 10		
trans-1,4-Dichloro-2-butene	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
trans-1,4-Dichloro-2-butene	2016-06	ug/L															
trans-1,4-Dichloro-2-butene	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
trans-1,4-Dichloro-2-butene	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
trans-1,4-Dichloro-2-butene	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
trans-1,4-Dichloro-2-butene	2017-11	ug/L														< 10	< 10
trans-1,4-Dichloro-2-butene	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2018-06	ug/L														< 10	< 10
trans-1,4-Dichloro-2-butene	2018-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10			
trans-1,4-Dichloro-2-butene	2018-09	ug/L													< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2018-11	ug/L														< 10	< 10
trans-1,4-Dichloro-2-butene	2019-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2020-03	ug/L	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2020-04	ug/L			< 10									< 10			
trans-1,4-Dichloro-2-butene	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
trans-1,4-Dichloro-2-butene	2021-03	ug/L		< 10			< 10			< 10							
trans-1,4-Dichloro-2-butene	2021-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
trans-1,4-Dichloro-2-butene	2022-03	ug/L		< 10			< 10			< 10							
trans-1,4-Dichloro-2-butene	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
trans-1,4-Dichloro-2-butene	2023-01	ug/L															
trans-1,4-Dichloro-2-butene	2023-03	ug/L		< 10			< 10			< 10							
trans-1,4-Dichloro-2-butene	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
trans-1,4-Dichloro-2-butene	2024-03	ug/L		< 10			< 10			< 10							
trans-1,4-Dichloro-2-butene	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
trans-1,4-Dichloro-2-butene	2025-03	ug/L		< 10			< 10			< 10							
trans-1,4-Dichloro-2-butene	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Trichloroethene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Trichloroethene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Trichloroethene	2009-07	ug/L	< 1.00	< 1	< 1	< 1	< 1.00										
Trichloroethene	2009-09	ug/L	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00										
Trichloroethene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Trichloroethene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Trichloroethene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Trichloroethene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Trichloroethene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Trichloroethene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00								
Trichloroethene	2013-03	ug/L	< 1	< 1	< 25.0		< 1.00	**0.586 J**	< 1								
Trichloroethene	2013-05	ug/L															
Trichloroethene	2013-09	ug/L	< 1.00	< 1.00	**0.228 J**	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	**0.460 J**		
Trichloroethene	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Trichloroethene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Trichloroethene	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Trichloroethene	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	**0.225 J**		
Trichloroethene	2015-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Trichloroethene	2015-09	ug/L		< 1		< 1	< 1	< 1	< 1								
Trichloroethene	2015-10	ug/L	< 1		< 1					< 1	< 1	< 1	< 1	< 1	< 1		
Trichloroethene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	**0.25 J**	< 1	< 1	< 1	< 1	< 1	< 1	**0.44 J**		

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2016-06	ug/L			< 1	< 1												
Trichloroethene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.417 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2017-03	ug/L	**0.233 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2017-11	ug/L																
Trichloroethene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.261 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2018-06	ug/L																
Trichloroethene	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Trichloroethene	2018-09	ug/L					< 1						< 1	< 1				
Trichloroethene	2018-11	ug/L																
Trichloroethene	2019-03	ug/L	< 1	**0.529 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2020-03	ug/L	< 1	< 1	< 1			< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2020-04	ug/L				< 1	< 1		< 1									
Trichloroethene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2021-03	ug/L							< 1	< 1	< 1	< 1						
Trichloroethene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2022-03	ug/L							< 1	< 1	< 1	< 1						
Trichloroethene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2023-01	ug/L															< 1	
Trichloroethene	2023-03	ug/L							< 1	< 1	< 1	< 1					< 1	
Trichloroethene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2024-03	ug/L							< 1	< 1	< 1	< 1						
Trichloroethene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2025-03	ug/L							< 1	< 1	< 1	< 1						
Trichloroethene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vanadium	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Vanadium	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Vanadium	2009-07	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Vanadium	2009-09	mg/L	< 0.05	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Vanadium	2010-03	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Vanadium	2010-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Vanadium	2011-03	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Vanadium	2011-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Vanadium	2012-03	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Vanadium	2012-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Vanadium	2013-03	mg/L	< 0.0500	< 0.05		< 0.0500	**0.00467 J**		< 0.05	**0.0101 J**	**0.00451 J**	**0.00448 J**	< 0.05	< 0.05	< 0.0500	< 0.0500	**0.00457 J**	**0.00995 J**
Vanadium	2013-05	mg/L			**0.00291 J**			< 0.0500										
Vanadium	2013-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	**0.00391 J**	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	**0.00540 J**
Vanadium	2013-11	mg/L																
Vanadium	2014-03	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	**0.00382 J**	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	**0.00679 J**
Vanadium	2014-06	mg/L																
Vanadium	2014-09	mg/L	**0.00049 J**	< 0.005	**0.00053 J**	**0.000913 J**	**0.00107 J**	**0.000551 J**	**0.000522 J**	**0.00215 J**	**0.00075 J**	**0.000883 J**	< 0.005	**0.000549 J**	**0.000654 J**	**0.000482 J**	**0.00274 J**	**0.00103 J**
Vanadium	2015-03	mg/L	< 0.005	**0.00551**	**0.000554 J**	**0.000641 J**	**0.00253 J**	< 0.00500	< 0.00500	**0.00119 J**	< 0.005	**0.00064 J**	**0.000527 J**	**0.000503 J**	< 0.005	< 0.005	**0.000449 J**	< 0.00500
Vanadium	2015-09	mg/L	< 0.005	**0.000775 J**		**0.001 J**	**0.00324 J**	< 0.005			< 0.005	**0.000588 J**	< 0.005	< 0.005		< 0.005	**0.000544 J**	
Vanadium	2015-10	mg/L			**0.000942 J**				< 0.005	**0.00143 J**					**0.000708 J**			**0.000456 J**
Vanadium	2016-03	mg/L	< 0.005	< 0.005	< 0.005	**0.000753 J**	**0.00145 J**	**0.000323 J**	**0.000329 J**	**0.00195 J**	**0.000471 J**	**0.000718 J**	< 0.005	< 0.005	**0.000363 J**	< 0.005	**0.000522 J**	**0.000471 J**
Vanadium	2016-06	mg/L			< 0.005	**0.000613 J**												
Vanadium	2016-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00165 J**	**0.00288 J**	< 0.005	**0.00248 J**	**0.0022 J**	**0.000546 J**	**0.000679 J**	**0.000316 J**	< 0.005	**0.000515 J**	**0.000293 J**	**0.000434 J**	**0.000289 J**
Vanadium	2017-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.00201 J**	< 0.005	< 0.005	**0.00208 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.00101 J**	< 0.005	< 0.005	< 0.005
Vanadium	2017-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.00117 J**	< 0.005	< 0.005	**0.00161 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.000982 J**	< 0.005	< 0.005	< 0.005
Vanadium	2017-11	mg/L																
Vanadium	2018-03	mg/L	< 0.005	< 0.005	< 0.005	**0.000926 J**	**0.00318 J**	< 0.005	< 0.005	**0.00104 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.000871 J**	< 0.005	< 0.005	< 0.005
Vanadium	2018-06	mg/L																
Vanadium	2018-08	mg/L	< 0.005	< 0.005	**0.00356 J**	**0.000991 J**		< 0.005	< 0.005	**0.00161 J**	**0.000797 J**	**0.00068 J**			< 0.005	< 0.005	**0.000665 J**	**0.000622 J**
Vanadium	2018-09	mg/L					**0.00282 J**						< 0.005	< 0.005				

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Trichloroethene	2016-06	ug/L															
Trichloroethene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	**0.288 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Trichloroethene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Trichloroethene	2017-08	ug/L	< 1	< 1	< 1	< 1	**0.208 J**	**0.457 J**	< 1	< 1	< 1	< 1	< 1	< 1	**0.226 J**		
Trichloroethene	2017-11	ug/L														< 1	< 1
Trichloroethene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2018-06	ug/L														< 1	< 1
Trichloroethene	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
Trichloroethene	2018-09	ug/L													< 1	< 1	< 1
Trichloroethene	2018-11	ug/L														< 1	< 1
Trichloroethene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2020-03	ug/L	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
Trichloroethene	2020-04	ug/L			< 1									< 1			
Trichloroethene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Trichloroethene	2021-03	ug/L		< 1			< 1			< 1							
Trichloroethene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Trichloroethene	2022-03	ug/L		< 1			< 1			< 1							
Trichloroethene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Trichloroethene	2023-01	ug/L															
Trichloroethene	2023-03	ug/L		< 1			< 1			< 1							
Trichloroethene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Trichloroethene	2024-03	ug/L		< 1			< 1			< 1							
Trichloroethene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Trichloroethene	2025-03	ug/L		< 1			< 1			< 1							
Trichloroethene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Vanadium	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05								
Vanadium	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05								
Vanadium	2009-07	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05								
Vanadium	2009-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500									
Vanadium	2010-03	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500								
Vanadium	2010-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500								
Vanadium	2011-03	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500								
Vanadium	2011-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500								
Vanadium	2012-03	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500								
Vanadium	2012-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500								
Vanadium	2013-03	mg/L	< 0.05	**0.00728 J**	**0.00441 J**		< 0.0500	**0.00749 J**	< 0.05								
Vanadium	2013-05	mg/L															
Vanadium	2013-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	~~**0.0100 J**~~	**0.00501 J**	**0.00519 J**	**0.00785 J**	**0.00556 J**	**0.00402 J**		
Vanadium	2013-11	mg/L								~~**0.00787 J**~~	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500		
Vanadium	2014-03	mg/L	< 0.0500	< 0.0500	< 0.0500	**0.0134 J**	< 0.0500	**0.00635 J**	< 0.0500	~~**0.00602 J**~~	< 0.0500	< 0.0500	< 0.0500	< 0.0500	**0.00304 J**		
Vanadium	2014-06	mg/L								~~**0.00338 J**~~	< 0.0500	**0.00259 J**	< 0.0500	< 0.0500	< 0.0500		
Vanadium	2014-09	mg/L	**0.000468 J**	**0.00232 J**	**0.00175 J**	**0.00189 J**	**0.00133 J**	**0.00256 J**	**0.000899 J**	~~**0.00212 J**~~	**0.0015 J**	**0.00185 J**	**0.000583 J**	**0.00112 J**	**0.0015 J**		
Vanadium	2015-03	mg/L	< 0.00500	**0.00296 J**	**0.00136 J**	**0.000861 J**	< 0.005	**0.00224 J**	< 0.005	**0.00109 J**	**0.000756 J**	**0.00129 J**	< 0.00500	< 0.00500	**0.000564 J**		
Vanadium	2015-09	mg/L		**0.00199 J**		**0.00063 J**	< 0.005	< 0.005	< 0.005								
Vanadium	2015-10	mg/L	< 0.005		**0.00135 J**					**0.00166 J**	**0.000822 J**	**0.00114 J**	**0.000474 J**	**0.000832 J**	**0.000715 J**		
Vanadium	2016-03	mg/L	< 0.005	**0.00144 J**	**0.00135 J**	**0.000537 J**	**0.00058 J**	< 0.005	**0.000274 J**	**0.00153 J**	**0.000769 J**	**0.000867 J**	**0.000365 J**	**0.000488 J**	**0.000456 J**		
Vanadium	2016-06	mg/L															
Vanadium	2016-08	mg/L	**0.000334 J**	**0.00132 J**	**0.00129 J**	**0.000579 J**	**0.000503 J**	**0.000594 J**	< 0.005	**0.00143 J**	**0.000697 J**	**0.00105 J**	**0.000545 J**	**0.000641 J**	**0.00065 J**		
Vanadium	2017-03	mg/L	< 0.005	**0.00139 J**	**0.00147 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.00176 J**	< 0.005	**0.00103 J**	< 0.005	< 0.005	< 0.005		
Vanadium	2017-08	mg/L	< 0.005	**0.00105 J**	**0.0011 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.00116 J**	< 0.005	**0.000947 J**	< 0.005	< 0.005	< 0.005		
Vanadium	2017-11	mg/L														< 0.005	< 0.005
Vanadium	2018-03	mg/L	< 0.005	**0.00189 J**	**0.00156 J**	**0.00109 J**	< 0.005	< 0.005	< 0.005	**0.0018 J**	< 0.005	**0.00117 J**	< 0.005	< 0.005	< 0.005	**0.000867 J**	**0.000894 J**
Vanadium	2018-06	mg/L														**0.00295 J**	**0.000787 J**
Vanadium	2018-08	mg/L	< 0.005	**0.00146 J**	**0.00133 J**	< 0.005	~~**0.00091 J**~~	< 0.005	< 0.005	**0.00146 J**		**0.00104 J**	**0.000694 J**	< 0.005			
Vanadium	2018-09	mg/L													**0.000696 J**	**0.00205 J**	**0.001 J**

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vanadium	2018-11	mg/L																
Vanadium	2019-03	mg/L	< 0.005	< 0.005	**0.000864 J**	< 0.005	**0.00165 J**	< 0.005	< 0.005	**0.00217 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00216 J**	< 0.005	< 0.005
Vanadium	2019-08	mg/L	< 0.005	< 0.005	< 0.005	**0.0022 J**	< 0.005	< 0.005	< 0.005	**0.0018 J**	**0.000901 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.00106 J**	< 0.005	< 0.005
Vanadium	2020-03	mg/L	< 0.005	< 0.005	< 0.005			< 0.005		**0.00239 J**	< 0.02	< 0.005	< 0.005	< 0.02	**0.00104 J**	< 0.005	< 0.005	< 0.005
Vanadium	2020-04	mg/L				**0.000858 J**	**0.00108 J**		< 0.005									
Vanadium	2020-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00102 J**	< 0.005	< 0.005
Vanadium	2021-03	mg/L							< 0.005	**0.00238 J**	< 0.005	< 0.005						
Vanadium	2021-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.00282 J**	< 0.005	< 0.005	**0.00176 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00118 J**	< 0.005	**0.00119 J**
Vanadium	2022-03	mg/L							< 0.005	< 0.02	< 0.005	< 0.005						
Vanadium	2022-08	mg/L	< 0.005 J	< 0.005	< 0.005	**0.00285 J**	**0.00396 J**		< 0.005	**0.00164 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.0015 J**	< 0.005
Vanadium	2023-01	mg/L															< 0.005	
Vanadium	2023-03	mg/L							< 0.005	**0.00237 J**	< 0.005	< 0.005					< 0.005	
Vanadium	2023-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00111 J**	**0.00347 J**		< 0.005	**0.00123 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vanadium	2024-03	mg/L							< 0.005	< 0.005	< 0.005	< 0.005						
Vanadium	2024-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00254 J**	< 0.005		< 0.005	**0.0024 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vanadium	2025-03	mg/L							**0.00227 J**	**0.00225 J**	< 0.005	< 0.005						
Vanadium	2025-08	mg/L	< 0.005	< 0.005	< 0.005	**0.0038 J**	< 0.005		< 0.005	**0.00207 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.0017 J**	< 0.005	< 0.005
Vinyl Acetate	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Acetate	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Acetate	2009-07	ug/L	< 2	< 2.00		< 2		< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2	< 2	< 2	
Vinyl Acetate	2009-09	ug/L	< 2	< 2.00		< 2.00		< 2.00	< 2.00	< 10.0	< 2.00	< 2	< 2	< 2	< 2	< 2	< 2	
Vinyl Acetate	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Vinyl Acetate	2010-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Vinyl Acetate	2011-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 20.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Vinyl Acetate	2011-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Vinyl Acetate	2012-03	ug/L	< 2.00	< 10.0	< 2.00	< 2.00	< 2.00	< 10.0	< 10.0	< 10.0	< 2.00	< 2.00	< 10.0	< 10.0	< 2.00	< 2.00	< 2.00	< 10.0
Vinyl Acetate	2012-09	ug/L	< 4.00	< 10.0	< 10.0	< 4.00	< 4.00	< 10.0	< 10.0	< 10.0	< 10.0	< 4.00	< 10.0	< 10.0	< 4.00	< 4.00	< 4.00	< 4.00
Vinyl Acetate	2013-03	ug/L	< 2.00	< 2		< 2.00	< 2.00		< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2.00	< 2	**1.05 J**
Vinyl Acetate	2013-05	ug/L			< 2.00			< 2.00										
Vinyl Acetate	2013-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Vinyl Acetate	2013-11	ug/L																
Vinyl Acetate	2014-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Vinyl Acetate	2014-06	ug/L																
Vinyl Acetate	2014-09	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Acetate	2015-03	ug/L	< 10	< 10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Vinyl Acetate	2015-09	ug/L	< 10	< 10		< 10	< 10	< 10			< 10	< 10	< 10	< 10		< 10	< 10	
Vinyl Acetate	2015-10	ug/L			< 10				< 10	< 10					< 10			< 10
Vinyl Acetate	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2016-06	ug/L			< 10	< 10												
Vinyl Acetate	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2017-11	ug/L																
Vinyl Acetate	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2018-06	ug/L																
Vinyl Acetate	2018-08	ug/L	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Vinyl Acetate	2018-09	ug/L					< 10						< 10	< 10				
Vinyl Acetate	2018-11	ug/L																
Vinyl Acetate	2019-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2020-03	ug/L	< 10	< 10	< 10			< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2020-04	ug/L				< 10	< 10		< 10									
Vinyl Acetate	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2021-03	ug/L							< 10	< 10	< 10	< 10						
Vinyl Acetate	2021-08	ug/L	< 10	< 10	< 10	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2022-03	ug/L							< 10	< 10	< 10	< 10						

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

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Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Vanadium	2018-11	mg/L														**0.00284 J**	**0.0013 J**
Vanadium	2019-03	mg/L	< 0.005	< 0.005	**0.0016 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.00179 J**		< 0.005	< 0.005	**0.000964 J**	< 0.005	**0.00242 J**	**0.00083 J**
Vanadium	2019-08	mg/L	< 0.005	**0.00128 J**	**0.00105 J**	**0.000924 J**	< 0.005	< 0.005	< 0.005	**0.00117 J**	< 0.005	< 0.005	**0.000864 J**	**0.00112 J**	< 0.005	**0.00124 J**	**0.000962 J**
Vanadium	2020-03	mg/L	< 0.005	**0.00157 J**		< 0.005	< 0.005	< 0.005	< 0.005	**0.00197 J**	**0.00125 J**	**0.00104 J**	< 0.005		**0.00102 J**	**0.00542**	< 0.005
Vanadium	2020-04	mg/L			**0.00162 J**									< 0.005			
Vanadium	2020-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00198 J**			< 0.005	< 0.005	< 0.005		< 0.005
Vanadium	2021-03	mg/L		**0.00129 J**			< 0.005			**0.00392 J**							
Vanadium	2021-08	mg/L	< 0.005	**0.00164 J**	**0.00139 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.00165 J**			< 0.005	< 0.005	< 0.005		< 0.005
Vanadium	2022-03	mg/L		< 0.02			< 0.005			**0.0013 J**							
Vanadium	2022-08	mg/L	< 0.005	**0.00152 J**	**0.00123 J**	< 0.005	< 0.005	< 0.005	< 0.005	**0.00124 J**			< 0.005	< 0.005	< 0.005		< 0.005
Vanadium	2023-01	mg/L															
Vanadium	2023-03	mg/L		**0.00156 J**			< 0.005			~~**0.00154 J**~~							
Vanadium	2023-08	mg/L	< 0.005	**0.00179 J**	**0.0014 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005		**0.00137 J**
Vanadium	2024-03	mg/L		< 0.005			< 0.005			< 0.005							
Vanadium	2024-08	mg/L	< 0.005	**0.00153 J**	**0.00243 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	**0.00112 J**	< 0.005		**0.00112 J**
Vanadium	2025-03	mg/L		**0.00173 J**			< 0.005			< 0.005							
Vanadium	2025-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	**0.00181 J**	< 0.005		< 0.005
Vinyl Acetate	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2								
Vinyl Acetate	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2								
Vinyl Acetate	2009-07	ug/L	< 2.00	< 2	< 2	< 2	< 2.00										
Vinyl Acetate	2009-09	ug/L	< 2.00	< 10.0	< 2.00	< 2.00	< 2.00										
Vinyl Acetate	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								
Vinyl Acetate	2010-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								
Vinyl Acetate	2011-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								
Vinyl Acetate	2011-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00								
Vinyl Acetate	2012-03	ug/L	< 10.0	< 2.00	< 2.00	< 2.00	< 10.0	< 10.0	< 10.0								
Vinyl Acetate	2012-09	ug/L	< 4.00	< 4.00	< 10.0	< 4.00	< 4.00	< 10.0	< 10.0								
Vinyl Acetate	2013-03	ug/L	< 2	< 2	< 50.0		< 2.00	< 2	< 2								
Vinyl Acetate	2013-05	ug/L															
Vinyl Acetate	2013-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Vinyl Acetate	2013-11	ug/L									< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Vinyl Acetate	2014-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Vinyl Acetate	2014-06	ug/L									< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Vinyl Acetate	2014-09	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2		
Vinyl Acetate	2015-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Vinyl Acetate	2015-09	ug/L		< 10		< 10	< 10	< 10	< 10								
Vinyl Acetate	2015-10	ug/L	< 10		< 10					< 10	< 10	< 10	< 10	< 10	< 10		
Vinyl Acetate	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Vinyl Acetate	2016-06	ug/L															
Vinyl Acetate	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Vinyl Acetate	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Vinyl Acetate	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Vinyl Acetate	2017-11	ug/L														< 10	< 10
Vinyl Acetate	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2018-06	ug/L														< 10	< 10
Vinyl Acetate	2018-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10			
Vinyl Acetate	2018-09	ug/L													< 10	< 10	< 10
Vinyl Acetate	2018-11	ug/L														< 10	< 10
Vinyl Acetate	2019-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2020-03	ug/L	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10
Vinyl Acetate	2020-04	ug/L			< 10									< 10			
Vinyl Acetate	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Vinyl Acetate	2021-03	ug/L		< 10			< 10			< 10							
Vinyl Acetate	2021-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Vinyl Acetate	2022-03	ug/L		< 10			< 10			< 10							

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Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

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2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2023-01	ug/L															< 10	
Vinyl Acetate	2023-03	ug/L							< 10	< 10	< 10	< 10					< 10	
Vinyl Acetate	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2024-03	ug/L							< 10	< 10	< 10	< 10						
Vinyl Acetate	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2025-03	ug/L							< 10	< 10	< 10	< 10						
Vinyl Acetate	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Chloride	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**3.3**	~~**6.17**~~	**2.07**	< 1	< 1	**1.11**	< 1	< 1	< 1	< 1
Vinyl Chloride	2009-03	ug/L	< 0.26	< 0.26	< 0.26	< 0.26	< 1	**1.14**	**2.61**	~~**3.88**~~	**2.32**	**0.26 J**	< 0.26	**0.33 J**	< 0.26	**0.51 J**	< 0.26	< 0.26
Vinyl Chloride	2009-07	ug/L	< 0.26	< 0.260		< 0.26		**0.44 J**	< 0.26	~~**4.18**~~	< 0.26	< 0.26	< 0.260	< 0.260	< 0.26	< 0.26	< 0.26	
Vinyl Chloride	2009-09	ug/L	< 0.24	< 0.240		< 1.00		**1.20**	**2.58**	~~< 5.00~~	**2.04**	< 0.24	**0.27 J**	**0.33 J**	< 0.24	**0.31 J**	< 0.24	
Vinyl Chloride	2010-03	ug/L	< 0.240	< 0.240	**0.370 J**	< 0.240	< 0.240	**0.270 J**	**2.81**	~~**3.35**~~	**1.62**	< 0.240	< 0.240	< 0.240	< 0.240	**0.260 J**	< 0.240	< 0.240
Vinyl Chloride	2010-09	ug/L	< 0.240	< 0.240	**0.290 J**	< 1.00	< 1.00	**0.870 J**	**2.19**	~~**2.79**~~	**1.39**	< 0.240	< 1.00	**0.640 J**	< 0.240	< 0.240	< 0.240	< 1.00
Vinyl Chloride	2011-03	ug/L	< 0.100	**0.110 J**	**0.130 J**	< 1.00	< 10.0	**0.300 J**	**2.56**	~~**3.32**~~	**1.73**	**0.150 J**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Vinyl Chloride	2011-09	ug/L	< 0.100	< 0.100	**0.200 J**	< 0.100	< 0.100	**0.830 J**	**2.10**	~~**1.59**~~	**0.840 J**	< 0.100	< 0.100	**0.190 J**	< 0.100	< 0.100	< 0.100	< 0.100
Vinyl Chloride	2012-03	ug/L	< 0.100	< 0.100	**0.130**	< 0.100	< 0.100	**0.740**	**1.44**	~~**1.32**~~	**1.79**	< 0.100	< 0.100	**0.130**	< 0.100	**0.190**	< 0.100	< 0.100
Vinyl Chloride	2012-09	ug/L	< 0.100	< 0.100	**0.190**	< 0.100	< 0.100	**0.290**	**2.02 J**	~~**1.94**~~	**1.21**	**0.130**	**0.220**	**0.360**	< 0.100	< 1.00	**0.140 J**	< 0.100
Vinyl Chloride	2013-03	ug/L	< 1.00	< 1		< 1.00	< 1.00		**1.55**	~~**1.33**~~	**0.797 J**	**0.35 J**	**0.17 J**	< 1	< 1.00	< 1.00	< 1	< 1
Vinyl Chloride	2013-05	ug/L			< 1.00			< 1.00										
Vinyl Chloride	2013-09	ug/L	**0.127 J**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**1.63**	~~**1.12**~~	**0.863 J**	< 1.00	**0.147 J**	**0.408 J**	< 1.00	**0.427 J**	< 1.00	< 1.00
Vinyl Chloride	2013-11	ug/L																
Vinyl Chloride	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**0.167 J**	**1.25**	~~< 1.00~~	**1.22**	< 1.00	< 1.00	**0.290 J**	< 1.00	**0.308 J**	< 1.00	< 1.00
Vinyl Chloride	2014-06	ug/L																
Vinyl Chloride	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	**0.38 J**	< 1	~~< 1~~	**0.708 J**	< 1	< 1	< 1	< 1	**0.814 J**	< 1	< 1
Vinyl Chloride	2015-03	ug/L	< 1	< 1	< 1.00	< 1.00	< 1.00	< 1.00	**1.08**	**1.17**	**0.745 J**	< 1	< 1.00	< 1.00	< 1	**0.436 J**	< 1	< 1.00
Vinyl Chloride	2015-09	ug/L	< 1	< 1		< 1	< 1	< 1			**0.726 J**	< 1	< 1	< 1		**0.512 J**	< 1	
Vinyl Chloride	2015-10	ug/L			< 1				**1.19**	**0.683 J**					< 1			< 1
Vinyl Chloride	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**1.29**	< 1	**0.765 J**	< 1	< 1	< 1	< 1	**0.648 J**	< 1	< 1
Vinyl Chloride	2016-06	ug/L			< 1	< 1												
Vinyl Chloride	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**1.15**	**0.771 J**	< 1	< 1	< 1	< 1	< 1	**0.698 J**	< 1	< 1
Vinyl Chloride	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**1.68**	< 1	< 1	< 1	< 1	< 1	< 1	**0.875 J**	< 1	< 1
Vinyl Chloride	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**0.835 J**	< 1	< 1	< 1	< 1	**0.197 J**	< 1	**0.357 J**	< 1	< 1
Vinyl Chloride	2017-11	ug/L																
Vinyl Chloride	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**1**	**0.845 J**	**0.359 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Chloride	2018-06	ug/L																
Vinyl Chloride	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1	**1.14**	< 1	< 1	< 1			< 1	**0.669 J**	< 1	< 1
Vinyl Chloride	2018-09	ug/L					< 1						< 1	< 1				
Vinyl Chloride	2018-11	ug/L																
Vinyl Chloride	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**1.05**	< 1	< 1	< 1	< 1	< 1	< 1	**0.854 J**	< 1	< 1
Vinyl Chloride	2019-08	ug/L	**0.219 J**	< 1	< 1	< 1	< 1	< 1	< 1	**0.209 J**	**0.364 J**	< 1	< 1	**0.251 J**	< 1	< 1	< 1	< 1
Vinyl Chloride	2020-03	ug/L	< 1	< 1	**0.309 J**			< 1		**0.293 J**	**0.27 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Chloride	2020-04	ug/L				< 1	< 1		**0.902 J**									
Vinyl Chloride	2020-08	ug/L	< 1	**0.369 J**	**0.225 J**	< 1	< 1	< 1	**1.05**	< 1	**0.262 J**	< 1	< 1	**0.219 J**	< 1	**0.728 J**	< 1	< 1
Vinyl Chloride	2021-03	ug/L							**0.695 J**	< 1	**0.182 J**	< 1						
Vinyl Chloride	2021-08	ug/L	< 1	< 1	**0.538 J+**	< 1	< 10	< 1	**0.724 J**	< 1	< 1	< 1	< 1	< 1	< 1	**0.229 J**	< 1	< 1
Vinyl Chloride	2022-03	ug/L							**0.684 J**	< 1	< 1	< 1						
Vinyl Chloride	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1		**0.628 J**	< 1	< 1	< 1	< 1	< 1	< 1	**0.491 J**	< 1	< 1
Vinyl Chloride	2023-01	ug/L															< 1	
Vinyl Chloride	2023-03	ug/L							**0.546 J**	< 1	< 1	< 1					< 1	
Vinyl Chloride	2023-08	ug/L	< 1	**0.655 J**	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Chloride	2024-03	ug/L							< 1	< 1	< 1	< 1						
Vinyl Chloride	2024-08	ug/L	< 1	**0.693 J**	< 1	< 1	< 1		**0.589 J**	< 1	< 1	< 1	< 1	< 1	< 1	**0.493 J**	< 1	< 1
Vinyl Chloride	2025-03	ug/L							**0.454 J**	< 1	< 1	< 1						
Vinyl Chloride	2025-08	ug/L	< 1	**0.422 J**	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes, Total	2008-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Vinyl Acetate	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Vinyl Acetate	2023-01	ug/L															
Vinyl Acetate	2023-03	ug/L		< 10			< 10			< 10							
Vinyl Acetate	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Vinyl Acetate	2024-03	ug/L		< 10			< 10			< 10							
Vinyl Acetate	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Vinyl Acetate	2025-03	ug/L		< 10			< 10			< 10							
Vinyl Acetate	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10		< 10
Vinyl Chloride	2008-08	ug/L	< 1	**2**	**9.81**	**1.18**	< 1	< 1	< 1								
Vinyl Chloride	2009-03	ug/L	**1.79**	**1.23**	**23.2**	**1.52**	< 0.26	< 0.26	< 0.26								
Vinyl Chloride	2009-07	ug/L	**1.25**	**1.59**	**19.8**	< 0.26	< 0.260										
Vinyl Chloride	2009-09	ug/L	**1.74**	< 5.00	**14.1**	**2.44**	< 0.240										
Vinyl Chloride	2010-03	ug/L	**1.88**	**1.20**	**15.7**	**2.56**	< 0.240	< 0.240	< 0.240								
Vinyl Chloride	2010-09	ug/L	**1.60**	**1.04**	**18.3**	**1.31**	< 0.240	< 1.00	< 1.00								
Vinyl Chloride	2011-03	ug/L	**1.69**	< 1.00	**16.9**	< 1.00	< 1.00	< 0.100	< 1.00								
Vinyl Chloride	2011-09	ug/L	**1.35**	**0.720 J**	**21.8**	**0.340 J**	< 0.100	**0.100 J**	< 0.100								
Vinyl Chloride	2012-03	ug/L	**1.17**	< 0.100	**20.5**	< 0.100	< 0.100	< 0.100	< 0.100								
Vinyl Chloride	2012-09	ug/L	**1.61 J**	**0.180 J**	**12.2**	< 1.00	< 0.100	< 0.100	< 0.100								
Vinyl Chloride	2013-03	ug/L	< 1	**0.111 J**	< 25.0		< 1.00	< 1	< 1								
Vinyl Chloride	2013-05	ug/L															
Vinyl Chloride	2013-09	ug/L	**0.817 J**	< 1.00	**7.82**	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Vinyl Chloride	2013-11	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Vinyl Chloride	2014-03	ug/L	< 1.00	< 1.00	**8.20**	< 1.00	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Vinyl Chloride	2014-06	ug/L									< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Vinyl Chloride	2014-09	ug/L	**0.783 J**	**0.256 J**	**3.99**	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
Vinyl Chloride	2015-03	ug/L	**1.10**	< 1.00	**12.8**	< 1.00	< 1	< 1	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Vinyl Chloride	2015-09	ug/L		**0.21 J**		< 1	< 1	< 1	< 1								
Vinyl Chloride	2015-10	ug/L	**1.06**		**11.5**					< 1	< 1	< 1	< 1	< 1	< 1		
Vinyl Chloride	2016-03	ug/L	**1.56**	< 1	**5.78**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Vinyl Chloride	2016-06	ug/L															
Vinyl Chloride	2016-08	ug/L	**0.946 J**	< 1	**7.38**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Vinyl Chloride	2017-03	ug/L	**1.55**	< 1	**5.16**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Vinyl Chloride	2017-08	ug/L	**0.79 J**	< 1	**7.49**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Vinyl Chloride	2017-11	ug/L														< 1	< 1
Vinyl Chloride	2018-03	ug/L	**1.39**	**0.155 J**	**7.27**	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Chloride	2018-06	ug/L														< 1	< 1
Vinyl Chloride	2018-08	ug/L	**1.05**	< 1	**9.4**	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1			
Vinyl Chloride	2018-09	ug/L													< 1	< 1	< 1
Vinyl Chloride	2018-11	ug/L														< 1	< 1
Vinyl Chloride	2019-03	ug/L	**1.08**	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Chloride	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Chloride	2020-03	ug/L	**0.709 J**	< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1
Vinyl Chloride	2020-04	ug/L			**1.63**									< 1			
Vinyl Chloride	2020-08	ug/L	< 1	< 1	**5.79**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Vinyl Chloride	2021-03	ug/L		< 1			< 1			< 1							
Vinyl Chloride	2021-08	ug/L	**1.19 J+**	< 1	**8.14**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Vinyl Chloride	2022-03	ug/L		< 1			< 1			< 1							
Vinyl Chloride	2022-08	ug/L	**1.08**	< 1	**5.37**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Vinyl Chloride	2023-01	ug/L															
Vinyl Chloride	2023-03	ug/L		< 1			< 1			< 1							
Vinyl Chloride	2023-08	ug/L	**1.65**	< 1	**6.35**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Vinyl Chloride	2024-03	ug/L		< 1			< 1			< 1							
Vinyl Chloride	2024-08	ug/L	**1.15**	< 1	**0.759 J**	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Vinyl Chloride	2025-03	ug/L		< 1			< 1			< 1							
Vinyl Chloride	2025-08	ug/L	**0.865 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1		< 1
Xylenes, Total	2008-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes, Total	2009-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2009-07	ug/L	< 3	< 3.00		< 3		< 3	< 3	< 3	< 3	< 3	< 3.00	< 3.00	< 3	< 3	< 3	
Xylenes, Total	2009-09	ug/L	< 3	< 3.00		< 3.00		< 3.00	< 3.00	< 15.0	< 3.00	< 3	< 3	< 3	< 3	< 3	< 3	
Xylenes, Total	2010-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Xylenes, Total	2010-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Xylenes, Total	2011-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 30.0	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Xylenes, Total	2011-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Xylenes, Total	2012-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Xylenes, Total	2012-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Xylenes, Total	2013-03	ug/L	< 3.00	< 3		< 3.00	< 3.00		< 3	**0.306 J**	**1.17 J**	< 3	< 3	< 3	< 3.00	< 3.00	< 3	**0.204 J**
Xylenes, Total	2013-05	ug/L			< 3.00			< 3.00										
Xylenes, Total	2013-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	**0.297 J**	< 3.00	**0.412 J**	**0.943 J**	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Xylenes, Total	2013-11	ug/L																
Xylenes, Total	2014-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Xylenes, Total	2014-06	ug/L																
Xylenes, Total	2014-09	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3 J	< 3 J	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2015-03	ug/L	< 3	< 3	**0.307 J**	< 3.00	< 3.00	< 3.00	**0.185 J**	**0.432 J**	**0.283 J**	< 3	< 3.00	< 3.00	< 3	< 3	< 3	< 3.00
Xylenes, Total	2015-09	ug/L	< 3	< 3		< 3	< 3	< 3			< 3	< 3	< 3	< 3		< 3	< 3	
Xylenes, Total	2015-10	ug/L			< 3				< 3	< 3					< 3			< 3
Xylenes, Total	2016-03	ug/L	< 3	**0.185 J**	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	**0.181 J**	< 3	< 3	< 3
Xylenes, Total	2016-06	ug/L			**0.316 J**	< 3												
Xylenes, Total	2016-08	ug/L	< 3	**0.449 J**	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	**0.226 J**	**0.204 J**	< 3
Xylenes, Total	2017-03	ug/L	**1.07 J**	< 3	**0.807 J**	< 3	< 3	< 3	**0.54 J**	**0.233 J**	**0.239 J**	**0.61 J**	< 3	< 3	**0.725 J**	< 3	< 3	< 3
Xylenes, Total	2017-08	ug/L	**0.338 J**	**1.45 J**	**1.29 J**	< 3	< 3	< 3	< 3	**0.259 J**	< 3	**0.245 J**	< 3	**0.674 J**	**0.638 J**	< 3	**1.77 J**	< 3
Xylenes, Total	2017-11	ug/L																
Xylenes, Total	2018-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	**0.238 J**	< 3	**0.151 J**	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2018-06	ug/L																
Xylenes, Total	2018-08	ug/L	< 3	< 3	**0.586 J**	< 3		< 3	< 3	**0.419 J**	< 3	< 3			< 3	< 3	< 3	< 3
Xylenes, Total	2018-09	ug/L					< 3						< 3	< 3				
Xylenes, Total	2018-11	ug/L																
Xylenes, Total	2019-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	**2.99 J**	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2019-08	ug/L	< 3	**0.51 J**	**0.435 J**	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2020-03	ug/L	< 3	< 3	< 3			< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2020-04	ug/L				< 3	< 3		< 3									
Xylenes, Total	2020-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2021-03	ug/L							< 3	< 3	< 3	< 3						
Xylenes, Total	2021-08	ug/L	< 3	< 3	< 3	< 3	< 30	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2022-03	ug/L							< 3	< 3	< 3	< 3						
Xylenes, Total	2022-08	ug/L	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2023-01	ug/L															< 3	
Xylenes, Total	2023-03	ug/L							< 3	**0.439 J**	< 3	< 3					< 3	
Xylenes, Total	2023-08	ug/L	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2024-03	ug/L							< 3	< 3	< 3	< 3						
Xylenes, Total	2024-08	ug/L	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2025-03	ug/L							< 3	< 3	< 3	< 3						
Xylenes, Total	2025-08	ug/L	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Zinc	2008-08	mg/L	**0.077**	< 0.05	< 0.05	< 0.05	< 0.05	~~**0.45**~~	**0.07**	< 0.05	< 0.05	< 0.05	~~**0.129**~~	**0.139**	**0.092**	< 0.05	< 0.05	< 0.05
Zinc	2009-03	mg/L	< 0.02	< 0.02	< 0.05	< 0.05	< 0.05	~~< 0.05~~	**0.121**	< 0.05	**0.071**	< 0.05	~~< 0.05~~	< 0.05	**0.103**	< 0.05	< 0.05	< 0.05
Zinc	2009-07	mg/L	< 0.05	**0.095**	< 0.05	< 0.05	< 0.05	~~**0.486**~~	< 0.05	< 0.05	**0.376**	< 0.05	~~**0.157**~~	**0.098**	**0.066**	< 0.05	< 0.05	< 0.05
Zinc	2009-09	mg/L	**0.116**	**0.0348**	**0.0264**	**0.0976**	**0.0645**	~~**0.234**~~	**0.510**	**0.141**	**0.202**	**0.26**	~~**0.184**~~	**0.151**	**0.127**	**0.044**	**0.0633**	**0.0363**
Zinc	2010-03	mg/L	**0.175**	**0.0431**	**0.0346**	**0.0905**	**0.0654**	~~**0.383**~~	**0.0675**	**0.110**	**0.181**	**0.105**	~~**0.159**~~	**0.102**	**0.175**	**0.0858**	**0.0771**	**0.0571**
Zinc	2010-09	mg/L	**0.0491**	**0.0419**	**0.0325**	**0.0367**	**0.0254**	~~**0.779**~~	**0.0328**	< 0.0200	**0.0641**	**0.0466**	~~**0.198**~~	**0.140**	**0.103**	**0.0402**	**0.0251**	**0.0688**
Zinc	2011-03	mg/L	**0.145**	**0.0472**	**0.0364**	**0.0303**	< 0.0200	~~**0.654**~~	**0.0519**	**0.0204**	**0.120**	< 0.0200	~~**0.140**~~	**0.0589**	**0.0661**	< 0.0200	**0.0213**	< 0.0200
Zinc	2011-09	mg/L	**0.0362**	**0.0497**	< 0.0200	< 0.0200	< 0.0200	~~**0.406**~~	< 0.0400	**0.0267**	**0.0416**	< 0.0200	~~**0.149**~~	**0.0981**	**0.112**	**0.0292**	< 0.0200	< 0.0200
Zinc	2012-03	mg/L	**0.0349**	< 0.0200	< 0.0200	< 0.0200	< 0.0200	~~**0.248**~~	< 0.0600	< 0.0200	**0.540**	< 0.0200	~~**0.135**~~	**0.0632**	**0.106**	< 0.0200	< 0.0200	< 0.0200
Zinc	2012-09	mg/L	**0.0551**	< 0.0200	< 0.0200	< 0.0200	< 0.0200	~~**0.230**~~	**0.0605**	**0.114**	**2.96**	**0.0404**	~~**0.254**~~	**0.0637**	**0.0662**	**0.0393**	**0.0640**	< 0.0200

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Xylenes, Total	2009-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3								
Xylenes, Total	2009-07	ug/L	< 3.00	< 3	< 3	< 3	< 3.00										
Xylenes, Total	2009-09	ug/L	< 3.00	< 15.0	< 3.00	< 3.00	< 3.00										
Xylenes, Total	2010-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00								
Xylenes, Total	2010-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00								
Xylenes, Total	2011-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00								
Xylenes, Total	2011-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00								
Xylenes, Total	2012-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00								
Xylenes, Total	2012-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00								
Xylenes, Total	2013-03	ug/L	< 3	< 3	< 75.0		< 3.00	< 3	< 3								
Xylenes, Total	2013-05	ug/L															
Xylenes, Total	2013-09	ug/L	< 3.00	< 3.00	**0.131 J**	< 3.00	< 3.00	< 3.00	< 3.00		< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Xylenes, Total	2013-11	ug/L									< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Xylenes, Total	2014-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Xylenes, Total	2014-06	ug/L									< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Xylenes, Total	2014-09	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3		
Xylenes, Total	2015-03	ug/L	< 3.00	< 3.00	**1.37 J**	< 3.00	< 3	< 3	< 3		< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Xylenes, Total	2015-09	ug/L		< 3		< 3	< 3	< 3	< 3								
Xylenes, Total	2015-10	ug/L	< 3		< 3					< 3	< 3	< 3	< 3	< 3	< 3		
Xylenes, Total	2016-03	ug/L	< 3	< 3	< 3	< 3	**0.262 J**	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3		
Xylenes, Total	2016-06	ug/L															
Xylenes, Total	2016-08	ug/L	< 3	< 3	< 3	< 3	< 3	**0.583 J**	< 3	< 3	< 3	< 3	< 3	< 3	< 3		
Xylenes, Total	2017-03	ug/L	< 3	< 3	**0.169 J**	< 3	**2.17 J**	< 3	**1.31 J**	< 3	< 3	< 3	< 3	< 3	< 3		
Xylenes, Total	2017-08	ug/L	< 3	**0.235 J**	**0.187 J**	**0.529 J**	**2.38 J**	**1.11 J**	**0.956 J**	< 3	< 3	< 3	< 3	< 3	**0.136 J**		
Xylenes, Total	2017-11	ug/L														< 3	< 3
Xylenes, Total	2018-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 30	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2018-06	ug/L														< 3	< 3
Xylenes, Total	2018-08	ug/L	< 3	< 3	< 3	< 3	**7.29**	< 3	< 3	< 3		< 3	< 3	< 3			
Xylenes, Total	2018-09	ug/L													< 3	< 3	< 3
Xylenes, Total	2018-11	ug/L					< 3									< 3	< 3
Xylenes, Total	2019-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2019-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2020-03	ug/L	< 3	< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3
Xylenes, Total	2020-04	ug/L			< 3									< 3			
Xylenes, Total	2020-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Xylenes, Total	2021-03	ug/L		< 3			< 3			< 3							
Xylenes, Total	2021-08	ug/L	< 3	**0.724 J**	**0.734 J**	**0.467 J**	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Xylenes, Total	2022-03	ug/L		< 3			< 3			< 3							
Xylenes, Total	2022-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Xylenes, Total	2023-01	ug/L															
Xylenes, Total	2023-03	ug/L		< 3			< 3			< 3							
Xylenes, Total	2023-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Xylenes, Total	2024-03	ug/L		< 3			< 3			< 3							
Xylenes, Total	2024-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Xylenes, Total	2025-03	ug/L		< 3			< 3			< 3							
Xylenes, Total	2025-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3		< 3
Zinc	2008-08	mg/L	~~**0.686**~~	< 0.05	< 0.05	< 0.05	< 0.05	**0.064**	< 0.05								
Zinc	2009-03	mg/L	~~< 0.05~~	**0.426**	**0.189**	< 0.05	< 0.05	< 0.05	< 0.05								
Zinc	2009-07	mg/L	~~**1.93**~~	< 0.05	< 0.05	**0.061**	< 0.05	< 0.05	< 0.05								
Zinc	2009-09	mg/L	~~**0.498**~~	< 0.0600	**0.0560**	**0.102**	**0.0499**	**0.0982**									
Zinc	2010-03	mg/L	~~**0.106**~~	< 0.0200	**0.0617**	**0.157**	**0.0720**	**0.145**	**0.0710**								
Zinc	2010-09	mg/L	~~**0.185**~~	< 0.0600	< 0.0200	**0.0588**	**0.0805**	**0.0221**	**0.0302**								
Zinc	2011-03	mg/L	~~**0.0781**~~	< 0.100	**0.0334**	**0.105**	< 0.0200	**0.0586**	**0.0500**								
Zinc	2011-09	mg/L	~~**0.0952**~~	< 0.0600	< 0.0400	< 0.0200	< 0.0200	**0.0219**	**0.113**								
Zinc	2012-03	mg/L	~~**0.475**~~	< 0.0600	< 0.0600	< 0.0200	< 0.0200	**0.0236**	**0.0305**								
Zinc	2012-09	mg/L	~~**0.128**~~	< 0.0600	< 0.0400	**0.0684**	< 0.0200	**0.114**	**0.0426**								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
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Analytical Data Summary - Upper Bedrock Appendix II
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Constituent	Date	Units	AW-1 (DwnGrad)	AW-2 (DwnGrad)	AW-3 (DwnGrad)	AW-4 (DwnGrad)	AW-5 (DwnGrad)	AW-7 (DwnGrad)	MW-12 (DwnGrad)	MW-13 (DwnGrad)	MW-16 (DwnGrad)	MW-17 (DwnGrad)	MW-20 (DwnGrad)	MW-21 (DwnGrad)	MW-23 (DwnGrad)	MW-24 (DwnGrad)	MW-26 (DwnGrad)	MW-28 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Zinc	2013-03	mg/L	**0.172**	**0.0672**		**0.0574**	**0.0559**		**0.0997**	**0.0544**	**0.279**	**0.0495**	~~**0.226**~~	**0.0999**	**0.109**	**0.0507**	**0.161**	**0.0871**
Zinc	2013-05	mg/L			**0.0291**			~~**0.296**~~										
Zinc	2013-09	mg/L	**0.108**	**0.0218**	**0.0180 J**	**0.0791**	**0.0961**	~~**0.502**~~	**0.139**	**0.0476**	**0.184**	**0.0197 J**	~~**0.235**~~	**0.117**	**0.169**	**0.0419**	**0.0368**	**0.0477**
Zinc	2013-11	mg/L																
Zinc	2014-03	mg/L	< 0.0200	< 0.0200	**0.00962 J**	< 0.0200	< 0.0200	~~**0.920**~~	**0.0550**	**0.227**	**0.281**	**0.167**	~~**0.131**~~	**0.0492**	**0.107**	**0.0507**	< 0.0200	< 0.0200
Zinc	2014-06	mg/L																
Zinc	2014-09	mg/L	**0.0188**	**0.00802 J**	**0.0117**	< 0.01	< 0.01	~~**0.421**~~	**0.0306**	**0.155**	**0.0924**	< 0.01	~~**0.148**~~	**0.0788**	**0.101**	**0.00891 J**	**0.0325**	< 0.01
Zinc	2015-03	mg/L	**0.0354**	**0.0476**	**0.0319**	< 0.0100	< 0.0100	**0.0702**	**0.0766**	< 0.0100	**0.0887**	< 0.01	**0.103**	**0.0752**	**0.0549**	< 0.01	< 0.01	< 0.0100
Zinc	2015-09	mg/L	**0.0504**	**0.0139**		< 0.01	< 0.01	**0.0778**			**0.0309**	< 0.01	**0.108**	**0.0633**		< 0.01	< 0.01	
Zinc	2015-10	mg/L			**0.0305**				**0.011**	< 0.01					**0.0504**			< 0.01
Zinc	2016-03	mg/L	< 0.01	< 0.01	**0.0078 J**	< 0.01	< 0.01	**0.0134**	**0.0204**	< 0.01	**0.0658**	< 0.01	**0.0551**	**0.0511**	**0.0588**	**0.00802 J**	< 0.01	< 0.01
Zinc	2016-06	mg/L			**0.00689 J**	< 0.01												
Zinc	2016-08	mg/L	**0.058**	**0.00847 J**	< 0.01	< 0.01	< 0.01	**0.112**	**0.0337**	**0.00543 J**	**0.0689**	< 0.01	**0.0959**	**0.0665**	**0.0721**	**0.0233**	< 0.01	< 0.01
Zinc	2017-03	mg/L	**0.138**	< 0.02	**0.0125 J**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	**0.0321**	< 0.02	**0.0612**	**0.055**	**0.0986**	**0.0165 J**	< 0.02	< 0.02
Zinc	2017-08	mg/L	**0.028**	< 0.02	< 0.02	< 0.02	< 0.02	**0.0563**	**0.0123 J**	< 0.02	**0.0457**	< 0.02	**0.121**	**0.0828**	**0.0888**	< 0.02	< 0.02	< 0.02
Zinc	2017-11	mg/L																
Zinc	2018-03	mg/L	**0.0349**	**0.0563**	< 0.02	< 0.02	< 0.02	**0.0702**	< 0.02	< 0.02	**0.0437**	< 0.02	**0.113**	**0.0613**	**0.0531**	**0.0263**	< 0.02	< 0.02
Zinc	2018-06	mg/L																
Zinc	2018-08	mg/L	**0.0403**	**0.012 J**	< 0.02	< 0.02		**0.0539**	< 0.02	< 0.02	**0.0281**	< 0.02			**0.0547**	**0.012 J**	< 0.02	< 0.02
Zinc	2018-09	mg/L					< 0.02						**0.0311**	**0.0718**				
Zinc	2018-11	mg/L																
Zinc	2019-03	mg/L	**0.0404**	< 0.02	< 0.02	< 0.02	< 0.02	**0.11**	**0.0108 J**	< 0.02	**0.0742**	< 0.02	**0.0289**	**0.0329**	**0.0351**	< 0.02	< 0.02	< 0.02
Zinc	2019-08	mg/L	**0.0107 J**	**0.014 J**	< 0.02	< 0.02	< 0.02	**0.0219**	< 0.02	< 0.02	**0.0129 J**	< 0.02	**0.0983**	**0.0725**	**0.1**	**0.0202**	< 0.02	< 0.02
Zinc	2020-03	mg/L	**0.0442**	**0.0103 J**	< 0.02			**0.0226**		**0.018 J**	< 0.08	< 0.02	**0.0333**	**0.0897**	**0.113**	**0.0148 J**	< 0.02	< 0.02
Zinc	2020-04	mg/L				< 0.02	< 0.02		< 0.02									
Zinc	2020-08	mg/L	**0.0153 J**	< 0.02	< 0.02	< 0.02	< 0.02	**0.106**	< 0.02	< 0.02	**0.0254**	< 0.02	**0.101**	**0.0972**	**0.101**	**0.01 J**	< 0.02	< 0.02
Zinc	2021-03	mg/L							< 0.02	< 0.02	**0.0147 J**	< 0.02						
Zinc	2021-08	mg/L	**0.0146 J**	**0.0163 J**	< 0.02	< 0.02	< 0.02	**0.0575**	< 0.02	< 0.02	**0.0204**	< 0.02	**0.111**	**0.0804**	**0.0626**	< 0.02	< 0.02	< 0.02
Zinc	2022-03	mg/L							< 0.02	< 0.08	**0.0306**	< 0.02						
Zinc	2022-08	mg/L	**0.0197 J**	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	**0.0576**	< 0.02	**0.0638**	**0.0673**	**0.0708**	< 0.02	< 0.02	**0.0118 J**
Zinc	2023-01	mg/L															< 0.02	
Zinc	2023-03	mg/L							< 0.02	< 0.02	< 0.02	< 0.02					< 0.02	
Zinc	2023-08	mg/L	**0.0261**	**0.0312**	< 0.02	< 0.02	**0.00717 J**		< 0.02	< 0.02	**0.0537**	< 0.02	**0.082**	**0.0627**	**0.1**	**0.0138 J**	< 0.02	< 0.02
Zinc	2024-03	mg/L							< 0.02	< 0.02	**0.0594**	< 0.02						
Zinc	2024-08	mg/L	**0.0231**	**0.0136 J**	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	**0.0506**	< 0.02	**0.0334**	**0.0512**	**0.0668**	**0.0219**	< 0.02	**0.0121 J**
Zinc	2025-03	mg/L							< 0.02	< 0.02	**0.0227**	< 0.02						
Zinc	2025-08	mg/L	**0.0156 J**	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	**0.0425**	< 0.02	**0.0224**	**0.0541**	**0.0698**	**0.0146 J**	< 0.02	< 0.02

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1
Permit No. 57-SDP-03-75C

Analytical Data Summary - Upper Bedrock Appendix II
2025 Annual Water Quality Report

Constituent	Date	Units	MW-30 (DwnGrad)	MW-32 (DwnGrad)	MW-34 (DwnGrad)	MW-35 (DwnGrad)	MW-37 (Bkgrnd)	VP-3 (DwnGrad)	VP-4 (DwnGrad)	MW-101A (Bkgrnd)	MW-102A (Delin)	MW-103A (Delin)	MW-105A (Delin)	MW-106A (Delin)	MW-107A (Delin)	MW-108A (Delin)	MW-109A (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1								
Zinc	2013-03	mg/L	~~**0.582**~~	**0.061**	**0.0499**		**0.0375**	**0.0628**	**0.061**								
Zinc	2013-05	mg/L															
Zinc	2013-09	mg/L	~~**0.230**~~	**0.0928**	**0.0719**	**0.147**	**0.0233**	**0.494**	**0.0339**	~~< 0.0200~~	< 0.0200	**0.0305**	< 0.0200	**0.00976 J**	**0.0329**		
Zinc	2013-11	mg/L								~~**0.147**~~	**0.0827**	**0.101**	**0.154**	**0.159**	**0.0939**		
Zinc	2014-03	mg/L	~~**0.206**~~	< 0.0200	**0.0142 J**	**0.199**	**0.0365**	**0.0379**	< 0.0200	~~< 0.0200 J~~	**0.00854 J**	**0.00826 J**	< 0.0200	**0.0212**	**0.0154 J**		
Zinc	2014-06	mg/L								~~< 0.0600~~	< 0.120	< 0.0600	< 0.0600	< 0.0200	< 0.0600		
Zinc	2014-09	mg/L	~~**0.46**~~	< 0.01	< 0.01	**0.0417**	**0.00837 J**	**0.0217**	**0.00894 J**	~~< 0.01~~	< 0.01	< 0.01	**0.0171**	**0.00763 J**	< 0.01		
Zinc	2015-03	mg/L	**0.0684**	< 0.0100	< 0.0100	**0.0141**	< 0.01	**0.0391**	< 0.01	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100		
Zinc	2015-09	mg/L		< 0.01		**0.0139**	< 0.01	< 0.01	< 0.01								
Zinc	2015-10	mg/L	**0.123**		< 0.01					< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		
Zinc	2016-03	mg/L	**0.113**	< 0.01	< 0.01	**0.0147**	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		
Zinc	2016-06	mg/L															
Zinc	2016-08	mg/L	**0.103**	< 0.01	< 0.01	**0.0244**	< 0.01	**0.00525 J**	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		
Zinc	2017-03	mg/L	**0.184**	< 0.02	< 0.02	**0.0209**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		
Zinc	2017-08	mg/L	**0.0658**	< 0.02	< 0.02	**0.0129 J**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		
Zinc	2017-11	mg/L														< 0.02	**0.0143 J**
Zinc	2018-03	mg/L	**0.17**	< 0.02	< 0.02	**0.0199 J**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Zinc	2018-06	mg/L														< 0.02	< 0.02
Zinc	2018-08	mg/L	**0.0756**	< 0.02	< 0.02	**0.0182 J**	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02			
Zinc	2018-09	mg/L													< 0.02	< 0.02	**0.0108 J**
Zinc	2018-11	mg/L														**0.0705**	< 0.02
Zinc	2019-03	mg/L	**0.129**	**0.0153 J**	< 0.02	**0.0288**	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	**0.0205**
Zinc	2019-08	mg/L	**0.079**	< 0.02	< 0.02	**0.0217**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Zinc	2020-03	mg/L	**0.0435**	< 0.02		**0.0333**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	**0.0285**		< 0.02	< 0.02	< 0.02
Zinc	2020-04	mg/L			< 0.02									< 0.02			
Zinc	2020-08	mg/L	**0.026**	< 0.02	< 0.02	**0.0209**	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02		< 0.02
Zinc	2021-03	mg/L		< 0.02			< 0.02			< 0.02							
Zinc	2021-08	mg/L	**0.185**	< 0.02	< 0.02	**0.0291**	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02		< 0.02
Zinc	2022-03	mg/L		< 0.08			< 0.02			< 0.02							
Zinc	2022-08	mg/L	**0.0532**	< 0.02	< 0.02	**0.0209**	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02		< 0.02
Zinc	2023-01	mg/L															
Zinc	2023-03	mg/L		< 0.02			< 0.02			< 0.02							
Zinc	2023-08	mg/L	**0.0833**	< 0.02	< 0.02	**0.0324**	< 0.02	**0.00734 J**	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02		< 0.02
Zinc	2024-03	mg/L		< 0.02			< 0.02			< 0.02							
Zinc	2024-08	mg/L	**0.158**	< 0.02	< 0.02	**0.0264**	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02		< 0.02
Zinc	2025-03	mg/L		< 0.02			< 0.02			< 0.02							
Zinc	2025-08	mg/L	**0.0804**	**0.07**	< 0.02	**0.0256**	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02		< 0.02

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
1,1,1,2-Tetrachloroethane	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
1,1,1,2-Tetrachloroethane	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2012-09	ug/L	< 1.00	< 1.00	< 2.00	< 2.00	< 2.00	< 1.00	< 2.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2013-03	ug/L	< 1.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2013-11	ug/L												
1,1,1,2-Tetrachloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2014-06	ug/L												
1,1,1,2-Tetrachloroethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2015-03	ug/L	< 1.00	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	2015-06	ug/L						< 1	< 1					
1,1,1,2-Tetrachloroethane	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
1,1,1,2-Tetrachloroethane	2015-10	ug/L			< 1	< 1							< 1	< 1
1,1,1,2-Tetrachloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2016-06	ug/L					< 1							
1,1,1,2-Tetrachloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2017-11	ug/L												
1,1,1,2-Tetrachloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2018-06	ug/L												
1,1,1,2-Tetrachloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2018-09	ug/L							< 1	< 1				
1,1,1,2-Tetrachloroethane	2018-11	ug/L											< 1	
1,1,1,2-Tetrachloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2019-04	ug/L												
1,1,1,2-Tetrachloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2020-03	ug/L		< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2020-04	ug/L	< 1		< 1									
1,1,1,2-Tetrachloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,1,2-Tetrachloroethane	2021-03	ug/L				< 1								
1,1,1,2-Tetrachloroethane	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,1,2-Tetrachloroethane	2022-03	ug/L				< 1								
1,1,1,2-Tetrachloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,1,2-Tetrachloroethane	2023-03	ug/L				< 1								
1,1,1,2-Tetrachloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,1,2-Tetrachloroethane	2024-03	ug/L				< 1								
1,1,1,2-Tetrachloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,1,2-Tetrachloroethane	2025-03	ug/L				< 1								
1,1,1,2-Tetrachloroethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,1-Trichloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
1,1,1-Trichloroethane	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
1,1,1-Trichloroethane	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1-Trichloroethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1-Trichloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1-Trichloroethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1-Trichloroethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1-Trichloroethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1-Trichloroethane	2013-03	ug/L	< 1.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1	< 1	< 1
1,1,1-Trichloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1-Trichloroethane	2013-11	ug/L												
1,1,1-Trichloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,1-Trichloroethane	2014-06	ug/L												
1,1,1-Trichloroethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2015-03	ug/L	< 1.00	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00
1,1,1-Trichloroethane	2015-06	ug/L						< 1	< 1					
1,1,1-Trichloroethane	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
1,1,1-Trichloroethane	2015-10	ug/L			< 1	< 1							< 1	< 1
1,1,1-Trichloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2016-06	ug/L					< 1							
1,1,1-Trichloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2017-11	ug/L												
1,1,1-Trichloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2018-06	ug/L												
1,1,1-Trichloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2018-09	ug/L							< 1	< 1				
1,1,1-Trichloroethane	2018-11	ug/L											< 1	
1,1,1-Trichloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2019-04	ug/L												
1,1,1-Trichloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2020-03	ug/L		< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2020-04	ug/L	< 1		< 1									
1,1,1-Trichloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,1-Trichloroethane	2021-03	ug/L				< 1								
1,1,1-Trichloroethane	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,1-Trichloroethane	2022-03	ug/L				< 1								
1,1,1-Trichloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
1,1,1,2-Tetrachloroethane	2009-03	ug/L	< 1	< 1	< 1								
1,1,1,2-Tetrachloroethane	2009-07	ug/L	< 1	< 1									
1,1,1,2-Tetrachloroethane	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1,1,2-Tetrachloroethane	2010-03	ug/L	< 2.00	< 2.00	< 2.00								
1,1,1,2-Tetrachloroethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1,1,2-Tetrachloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
1,1,1,2-Tetrachloroethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1,1,2-Tetrachloroethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
1,1,1,2-Tetrachloroethane	2012-09	ug/L	< 1.00	< 1.00	< 2.00								
1,1,1,2-Tetrachloroethane	2013-03	ug/L	< 1	< 1	< 1.00								
1,1,1,2-Tetrachloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1,2-Tetrachloroethane	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1,2-Tetrachloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1,2-Tetrachloroethane	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1,2-Tetrachloroethane	2014-09	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
1,1,1,2-Tetrachloroethane	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1,2-Tetrachloroethane	2015-06	ug/L											
1,1,1,2-Tetrachloroethane	2015-09	ug/L	< 1	< 1	< 1								
1,1,1,2-Tetrachloroethane	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
1,1,1,2-Tetrachloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,1,1,2-Tetrachloroethane	2016-06	ug/L											
1,1,1,2-Tetrachloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,1,1,2-Tetrachloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,1,1,2-Tetrachloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,1,1,2-Tetrachloroethane	2017-11	ug/L										< 1	< 1
1,1,1,2-Tetrachloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2018-06	ug/L										< 1	< 1
1,1,1,2-Tetrachloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
1,1,1,2-Tetrachloroethane	2018-09	ug/L									< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2018-11	ug/L										< 1	< 1
1,1,1,2-Tetrachloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
1,1,1,2-Tetrachloroethane	2019-04	ug/L											< 1
1,1,1,2-Tetrachloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2020-04	ug/L											
1,1,1,2-Tetrachloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2021-03	ug/L	< 1		< 1	< 1							< 1
1,1,1,2-Tetrachloroethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2022-03	ug/L	< 1		< 1	< 1							< 1
1,1,1,2-Tetrachloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2023-03	ug/L	< 1		< 1	< 1							< 1
1,1,1,2-Tetrachloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2024-03	ug/L	< 1		< 1	< 1							< 1
1,1,1,2-Tetrachloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	2025-03	ug/L	< 1		< 1	< 1							< 1
1,1,1,2-Tetrachloroethane	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2008-08	ug/L	< 1	< 1	< 1								
1,1,1-Trichloroethane	2009-03	ug/L	< 1	< 1	< 1								
1,1,1-Trichloroethane	2009-07	ug/L	< 1	< 1									
1,1,1-Trichloroethane	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1,1-Trichloroethane	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
1,1,1-Trichloroethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1,1-Trichloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
1,1,1-Trichloroethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1,1-Trichloroethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
1,1,1-Trichloroethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1,1-Trichloroethane	2013-03	ug/L	< 1	< 1	< 1.00								
1,1,1-Trichloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1-Trichloroethane	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1-Trichloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1-Trichloroethane	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1-Trichloroethane	2014-09	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
1,1,1-Trichloroethane	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,1-Trichloroethane	2015-06	ug/L											
1,1,1-Trichloroethane	2015-09	ug/L	< 1	< 1	< 1								
1,1,1-Trichloroethane	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
1,1,1-Trichloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,1,1-Trichloroethane	2016-06	ug/L											
1,1,1-Trichloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,1,1-Trichloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,1,1-Trichloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,1,1-Trichloroethane	2017-11	ug/L										< 1	< 1
1,1,1-Trichloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2018-06	ug/L										< 1	< 1
1,1,1-Trichloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
1,1,1-Trichloroethane	2018-09	ug/L									< 1	< 1	< 1
1,1,1-Trichloroethane	2018-11	ug/L										< 1	< 1
1,1,1-Trichloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
1,1,1-Trichloroethane	2019-04	ug/L											< 1
1,1,1-Trichloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2020-04	ug/L											
1,1,1-Trichloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2021-03	ug/L	< 1		< 1	< 1							< 1
1,1,1-Trichloroethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2022-03	ug/L	< 1		< 1	< 1							< 1
1,1,1-Trichloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2023-03	ug/L				< 1								
1,1,1-Trichloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,1-Trichloroethane	2024-03	ug/L				< 1								
1,1,1-Trichloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,1-Trichloroethane	2025-03	ug/L				< 1								
1,1,1-Trichloroethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,2,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
1,1,2,2-Tetrachloroethane	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
1,1,2,2-Tetrachloroethane	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2013-03	ug/L	< 1.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2013-11	ug/L												
1,1,2,2-Tetrachloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2014-06	ug/L												
1,1,2,2-Tetrachloroethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2015-03	ug/L	< 1.00	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	2015-06	ug/L						< 1	< 1					
1,1,2,2-Tetrachloroethane	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
1,1,2,2-Tetrachloroethane	2015-10	ug/L			< 1	< 1							< 1	< 1
1,1,2,2-Tetrachloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2016-06	ug/L					< 1							
1,1,2,2-Tetrachloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2017-11	ug/L												
1,1,2,2-Tetrachloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2018-06	ug/L												
1,1,2,2-Tetrachloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2018-09	ug/L							< 1	< 1				
1,1,2,2-Tetrachloroethane	2018-11	ug/L											< 1	
1,1,2,2-Tetrachloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2019-04	ug/L												
1,1,2,2-Tetrachloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2020-03	ug/L		< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2020-04	ug/L	< 1		< 1									
1,1,2,2-Tetrachloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,2,2-Tetrachloroethane	2021-03	ug/L				< 1								
1,1,2,2-Tetrachloroethane	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,2,2-Tetrachloroethane	2022-03	ug/L				< 1								
1,1,2,2-Tetrachloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,2,2-Tetrachloroethane	2023-03	ug/L				< 1								
1,1,2,2-Tetrachloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,2,2-Tetrachloroethane	2024-03	ug/L				< 1								
1,1,2,2-Tetrachloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,2,2-Tetrachloroethane	2025-03	ug/L				< 1								
1,1,2,2-Tetrachloroethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,2-Trichloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
1,1,2-Trichloroethane	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
1,1,2-Trichloroethane	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	2013-03	ug/L	< 1.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1	< 1	< 1
1,1,2-Trichloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	2013-11	ug/L												
1,1,2-Trichloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	2014-06	ug/L												
1,1,2-Trichloroethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2015-03	ug/L	< 1.00	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00
1,1,2-Trichloroethane	2015-06	ug/L						< 1	< 1					
1,1,2-Trichloroethane	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
1,1,2-Trichloroethane	2015-10	ug/L			< 1	< 1							< 1	< 1
1,1,2-Trichloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2016-06	ug/L					< 1							
1,1,2-Trichloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2017-11	ug/L												
1,1,2-Trichloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2018-06	ug/L												
1,1,2-Trichloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2018-09	ug/L							< 1	< 1				
1,1,2-Trichloroethane	2018-11	ug/L											< 1	
1,1,2-Trichloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2019-04	ug/L												
1,1,2-Trichloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
1,1,1-Trichloroethane	2023-03	ug/L	< 1		< 1	< 1							< 1
1,1,1-Trichloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2024-03	ug/L	< 1		< 1	< 1							< 1
1,1,1-Trichloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	2025-03	ug/L	< 1		< 1	< 1							< 1
1,1,1-Trichloroethane	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
1,1,2,2-Tetrachloroethane	2009-03	ug/L	< 1	< 1	< 1								
1,1,2,2-Tetrachloroethane	2009-07	ug/L	< 1	< 1									
1,1,2,2-Tetrachloroethane	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1,2,2-Tetrachloroethane	2010-03	ug/L	< 2.00	< 2.00	< 2.00								
1,1,2,2-Tetrachloroethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1,2,2-Tetrachloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
1,1,2,2-Tetrachloroethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1,2,2-Tetrachloroethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
1,1,2,2-Tetrachloroethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1,2,2-Tetrachloroethane	2013-03	ug/L	< 1	< 1	< 1.00								
1,1,2,2-Tetrachloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2,2-Tetrachloroethane	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2,2-Tetrachloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2,2-Tetrachloroethane	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2,2-Tetrachloroethane	2014-09	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
1,1,2,2-Tetrachloroethane	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2,2-Tetrachloroethane	2015-06	ug/L											
1,1,2,2-Tetrachloroethane	2015-09	ug/L	< 1	< 1	< 1								
1,1,2,2-Tetrachloroethane	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
1,1,2,2-Tetrachloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,1,2,2-Tetrachloroethane	2016-06	ug/L											
1,1,2,2-Tetrachloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,1,2,2-Tetrachloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,1,2,2-Tetrachloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,1,2,2-Tetrachloroethane	2017-11	ug/L										< 1	< 1
1,1,2,2-Tetrachloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2018-06	ug/L										< 1	< 1
1,1,2,2-Tetrachloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
1,1,2,2-Tetrachloroethane	2018-09	ug/L									< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2018-11	ug/L										< 1	< 1
1,1,2,2-Tetrachloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
1,1,2,2-Tetrachloroethane	2019-04	ug/L											< 1
1,1,2,2-Tetrachloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2020-04	ug/L											
1,1,2,2-Tetrachloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2021-03	ug/L	< 1		< 1	< 1							< 1
1,1,2,2-Tetrachloroethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2022-03	ug/L	< 1		< 1	< 1							< 1
1,1,2,2-Tetrachloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2023-03	ug/L	< 1		< 1	< 1							< 1
1,1,2,2-Tetrachloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2024-03	ug/L	< 1		< 1	< 1							< 1
1,1,2,2-Tetrachloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	2025-03	ug/L	< 1		< 1	< 1							< 1
1,1,2,2-Tetrachloroethane	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2008-08	ug/L	< 1	< 1	< 1								
1,1,2-Trichloroethane	2009-03	ug/L	< 1	< 1	< 1								
1,1,2-Trichloroethane	2009-07	ug/L	< 1	< 1									
1,1,2-Trichloroethane	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1,2-Trichloroethane	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
1,1,2-Trichloroethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1,2-Trichloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
1,1,2-Trichloroethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1,2-Trichloroethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
1,1,2-Trichloroethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1,2-Trichloroethane	2013-03	ug/L	< 1	< 1	< 1.00								
1,1,2-Trichloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2-Trichloroethane	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2-Trichloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2-Trichloroethane	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2-Trichloroethane	2014-09	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
1,1,2-Trichloroethane	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1,2-Trichloroethane	2015-06	ug/L											
1,1,2-Trichloroethane	2015-09	ug/L	< 1	< 1	< 1								
1,1,2-Trichloroethane	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
1,1,2-Trichloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,1,2-Trichloroethane	2016-06	ug/L											
1,1,2-Trichloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,1,2-Trichloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,1,2-Trichloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,1,2-Trichloroethane	2017-11	ug/L										< 1	< 1
1,1,2-Trichloroethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2018-06	ug/L										< 1	< 1
1,1,2-Trichloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
1,1,2-Trichloroethane	2018-09	ug/L									< 1	< 1	< 1
1,1,2-Trichloroethane	2018-11	ug/L										< 1	< 1
1,1,2-Trichloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
1,1,2-Trichloroethane	2019-04	ug/L											< 1
1,1,2-Trichloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2020-03	ug/L		< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2020-04	ug/L	< 1		< 1									
1,1,2-Trichloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,2-Trichloroethane	2021-03	ug/L				< 1								
1,1,2-Trichloroethane	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,2-Trichloroethane	2022-03	ug/L				< 1								
1,1,2-Trichloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,2-Trichloroethane	2023-03	ug/L				< 1								
1,1,2-Trichloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,2-Trichloroethane	2024-03	ug/L				< 1								
1,1,2-Trichloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1,2-Trichloroethane	2025-03	ug/L				< 1								
1,1,2-Trichloroethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,1-Dichloroethane	2008-08	ug/L	**6.14**	**2.46**	**1.74**	**21.4**	< 1	< 1	< 1	**13.2**	**2.08**	< 1	< 1	< 1
1,1-Dichloroethane	2009-03	ug/L	**4.12**	**2.15**	**1.66**	**21.9**	< 1	< 1	< 1	**8.01**	**1.1**	< 1	< 1	< 1
1,1-Dichloroethane	2009-07	ug/L	**21.1**	**1.89**	**1.7**	< 1		< 1	< 1.00	**12.3**	< 1			
1,1-Dichloroethane	2009-09	ug/L	**21.2**	**2.41**	**1.61**	**18.4**		< 1	< 1	**12**	< 1			
1,1-Dichloroethane	2010-03	ug/L	**20.2**	**6.51**	**1.82**	**15.9**	< 1.00	< 1.00	< 1.00	**11.6**	**1.06**	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	2010-09	ug/L	**2.74**	**1.75**	**1.72**	**15.1**	< 1.00	< 1.00	< 1.00	**8.79**	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	2011-03	ug/L	**1.38**	**1.67**	**1.04**	**15.7**	< 1.00	< 1.00	< 1.00	**12.6**	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	2011-09	ug/L	**4.04**	**1.93**	**1.58**	**11.4**	< 1.00	< 1.00	< 1.00	**5.12**	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	2012-03	ug/L	**1.14**	**1.77**	**1.49**	**13.6**	< 1.00	< 1.00	< 1.00	**6.51**	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	2012-09	ug/L	< 1.00	**1.76**	**1.41**	**13.6**	< 1.00	< 1.00	< 1.00	**3.93**	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	2013-03	ug/L	**1.58**	**1.73**	**1.41**	**12.9**	< 1	< 1	< 1	**7.74**	< 1.00	< 1	< 1	< 1
1,1-Dichloroethane	2013-09	ug/L	**3.42**	**1.70**	**1.71**	**11.3**	< 1.00	< 1.00	< 1.00	**4.21**	**0.594 J**	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	2013-11	ug/L												
1,1-Dichloroethane	2014-03	ug/L	**5.05**	**13.8**	**1.36**	**4.77**	< 1.00	< 1.00	< 1.00	**2.48**	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	2014-06	ug/L												
1,1-Dichloroethane	2014-09	ug/L	**3.99**	**1.55**	**1.64**	**8.23**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	2015-03	ug/L	**2.74**	< 1	**0.534 J**	**7.94**	< 1	< 1	< 1.00	**2.16**	**0.793 J**	< 1	< 1.00	< 1.00
1,1-Dichloroethane	2015-06	ug/L						< 1	< 1					
1,1-Dichloroethane	2015-09	ug/L	**6.42**	< 1			< 1	< 1	< 1	**1.6**	**0.483 J**	< 1		
1,1-Dichloroethane	2015-10	ug/L			**1.33**	**8.58**							< 1	< 1
1,1-Dichloroethane	2016-03	ug/L	< 1	< 1	**1.11**	**5.15**	< 1	< 1	< 1	**3.23**	**1.66**	< 1	< 1	< 1
1,1-Dichloroethane	2016-06	ug/L					< 1							
1,1-Dichloroethane	2016-08	ug/L	**4.07**	< 1	**0.992 J**	**5.74**	< 1	< 1	< 1	**2.31**	**1.18**	< 1	< 1	< 1
1,1-Dichloroethane	2017-03	ug/L	**9.33**	< 1	**1.23**	**3.7**	< 1	< 1	< 1	**2.69**	< 1	< 1	< 1	< 1
1,1-Dichloroethane	2017-08	ug/L	**6.8**	< 1	**0.748 J**	**3.23**	< 1	< 1	< 1	**1.24**	**0.938 J**	< 1	< 1	< 1
1,1-Dichloroethane	2017-11	ug/L												
1,1-Dichloroethane	2018-03	ug/L	**6.18**	< 1	**1.08**	**5.11**	< 1	< 1	< 1	**1.54**	**1.17**	< 1	< 1	< 1
1,1-Dichloroethane	2018-06	ug/L												
1,1-Dichloroethane	2018-08	ug/L	**3.36**	< 1	**1.25**	**3.45**	< 1	< 1			**0.878 J**	< 1	< 1	< 1
1,1-Dichloroethane	2018-09	ug/L							< 1	**1.23**				
1,1-Dichloroethane	2018-11	ug/L											< 1	
1,1-Dichloroethane	2019-03	ug/L	**3.91**	**1.47**	**1.1**	**2.31**	< 1	< 1	< 1	**2.03**	**0.458 J**	< 1	< 1	< 1
1,1-Dichloroethane	2019-04	ug/L												
1,1-Dichloroethane	2019-08	ug/L	**4.84**	< 1	**1.4**	**1.19**	< 1	< 1	< 1	**2.03**	**0.951 J**	< 1	< 1	< 1
1,1-Dichloroethane	2020-03	ug/L		< 1		**0.959 J**	< 1	< 1	< 1	**2.73**	**0.993 J**	< 1	< 1	< 1
1,1-Dichloroethane	2020-04	ug/L	**3.57**		**0.911 J**									
1,1-Dichloroethane	2020-08	ug/L	**3.25**	< 1	**1.27**	**1.88**	< 1	< 1	< 1	**1.88**	**0.908 J**			< 1
1,1-Dichloroethane	2021-03	ug/L				**1.01**								
1,1-Dichloroethane	2021-08	ug/L	**1.86**	< 10	**1.13**	**0.798 J**	< 1	< 1	< 1	**1.32**	**0.791 J**			< 1
1,1-Dichloroethane	2022-03	ug/L				**1.29**								
1,1-Dichloroethane	2022-08	ug/L	**2.09**	< 1	**1.47**	**1.79**	< 1	< 1	< 1	**1.3**	< 1			< 1
1,1-Dichloroethane	2023-03	ug/L				**1.7**								
1,1-Dichloroethane	2023-08	ug/L	**1.29**	< 1	**0.857 J**	**1.7**	< 1	< 1	< 1	**1.09**	< 1			< 1
1,1-Dichloroethane	2024-03	ug/L				< 1								
1,1-Dichloroethane	2024-08	ug/L	**1.8**	< 1	**1.78**	**1.74**	< 1	< 1	< 1	**1.71**	< 1			< 1
1,1-Dichloroethane	2025-03	ug/L				**1.05**								
1,1-Dichloroethane	2025-08	ug/L	**2.13**	< 1	< 1	**1.65**	< 1	< 1	< 1	**1.84**	< 1			< 1
1,1-Dichloroethene	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2009-07	ug/L	< 2	< 2	< 2	< 2		< 2	< 2.00	< 2.00	< 2			
1,1-Dichloroethene	2009-09	ug/L	< 2.00	< 2	< 2.00	< 10.0		< 2	< 2	< 2	< 2			
1,1-Dichloroethene	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	2010-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	2011-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	2011-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	2012-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	2012-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	2013-03	ug/L	< 2.00	< 2.00	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2	< 2	< 2
1,1-Dichloroethene	2013-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	2013-11	ug/L												
1,1-Dichloroethene	2014-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	2014-06	ug/L												
1,1-Dichloroethene	2014-09	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2015-03	ug/L	< 2.00	< 2	< 2.00	< 2.00	< 2	< 2	< 2.00	< 2.00	< 2	< 2	< 2.00	< 2.00
1,1-Dichloroethene	2015-06	ug/L						< 2	< 2					
1,1-Dichloroethene	2015-09	ug/L	< 2	< 2			< 2	< 2	< 2	< 2	< 2	< 2		
1,1-Dichloroethene	2015-10	ug/L			< 2	< 2							< 2	< 2
1,1-Dichloroethene	2016-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2016-06	ug/L					< 2							
1,1-Dichloroethene	2016-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2017-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2017-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2017-11	ug/L												
1,1-Dichloroethene	2018-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
1,1,2-Trichloroethane	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2020-04	ug/L											
1,1,2-Trichloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2021-03	ug/L	< 1		< 1	< 1							< 1
1,1,2-Trichloroethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2022-03	ug/L	< 1		< 1	< 1							< 1
1,1,2-Trichloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2023-03	ug/L	< 1		< 1	< 1							< 1
1,1,2-Trichloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2024-03	ug/L	< 1		< 1	< 1							< 1
1,1,2-Trichloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	2025-03	ug/L	< 1		< 1	< 1							< 1
1,1,2-Trichloroethane	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
1,1-Dichloroethane	2008-08	ug/L	< 1	**3.76**	< 1								
1,1-Dichloroethane	2009-03	ug/L	< 1	**3.32**	< 1								
1,1-Dichloroethane	2009-07	ug/L	< 1	**2.24**									
1,1-Dichloroethane	2009-09	ug/L	< 1.00	**3.09**	< 1.00								
1,1-Dichloroethane	2010-03	ug/L	< 1.00	**1.62**	< 1.00								
1,1-Dichloroethane	2010-09	ug/L	< 1.00	**1.45**	< 1.00								
1,1-Dichloroethane	2011-03	ug/L	< 1.00	**1.42**	< 1.00								
1,1-Dichloroethane	2011-09	ug/L	< 1.00	**1.09**	< 1.00								
1,1-Dichloroethane	2012-03	ug/L	< 1.00	**1.19**	< 1.00								
1,1-Dichloroethane	2012-09	ug/L	< 1.00	**1.24**	< 1.00								
1,1-Dichloroethane	2013-03	ug/L	< 1	**0.949 J**	< 1.00								
1,1-Dichloroethane	2013-09	ug/L	< 1.00	**0.693 J**	< 1.00		< 1.00	< 1.00	< 1.00	**1.97**	**0.635 J**		
1,1-Dichloroethane	2013-11	ug/L					< 1.00	< 1.00	< 1.00	**1.88**	< 1.00		
1,1-Dichloroethane	2014-03	ug/L	< 1.00	**0.705 J**	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,1-Dichloroethane	2014-06	ug/L					< 1.00	< 1.00	< 1.00	**2.03**	< 1.00		
1,1-Dichloroethane	2014-09	ug/L	< 1	**0.618 J**	< 1		< 1	< 1	< 1	**4.8**	**0.416 J**		
1,1-Dichloroethane	2015-03	ug/L	**0.231 J**	< 1.00	< 1		< 1.00	< 1.00	< 1.00	**3.02**	< 1.00		
1,1-Dichloroethane	2015-06	ug/L											
1,1-Dichloroethane	2015-09	ug/L	< 1	**0.348 J**	< 1								
1,1-Dichloroethane	2015-10	ug/L				< 1	< 1	< 1		**6.86**	< 1		
1,1-Dichloroethane	2016-03	ug/L	**0.325 J**	< 1	< 1	< 1	< 1	< 1		**6.41**	< 1		
1,1-Dichloroethane	2016-06	ug/L											
1,1-Dichloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		**4.63**	< 1		
1,1-Dichloroethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		**3.72**	< 1		
1,1-Dichloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		**3.67**	**0.34 J**		
1,1-Dichloroethane	2017-11	ug/L										< 1	**1.58**
1,1-Dichloroethane	2018-03	ug/L	**0.402 J**	**0.235 J**	< 1	< 1	< 1	< 1		**3.13**	**0.294 J**	< 1	**1.46**
1,1-Dichloroethane	2018-06	ug/L										< 1	**1.42**
1,1-Dichloroethane	2018-08	ug/L	**0.229 J**	**0.26 J**	< 1	< 1		< 1		**2.73**			
1,1-Dichloroethane	2018-09	ug/L									< 1	< 1	**1.51**
1,1-Dichloroethane	2018-11	ug/L										< 1	**1.1**
1,1-Dichloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	**4.19**	< 1	< 1	
1,1-Dichloroethane	2019-04	ug/L											**1.34**
1,1-Dichloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		**6.97**	**0.417 J**	< 1	**1.26**
1,1-Dichloroethane	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		**2.84**	< 1	< 1	**0.991 J**
1,1-Dichloroethane	2020-04	ug/L											
1,1-Dichloroethane	2020-08	ug/L	**0.231 J**	< 1	< 1	< 1	< 1			**6.47**	< 1	< 1	**1.15**
1,1-Dichloroethane	2021-03	ug/L	< 1		< 1	< 1							**1.14**
1,1-Dichloroethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			**3.38**	< 1	< 1	**0.977 J**
1,1-Dichloroethane	2022-03	ug/L	< 1		< 1	< 1							**1.02**
1,1-Dichloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			**3.06**	< 1	< 1	**1.07**
1,1-Dichloroethane	2023-03	ug/L	< 1		< 1	< 1							**0.959 J**
1,1-Dichloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			**2.49**	< 1	< 1	**0.897 J**
1,1-Dichloroethane	2024-03	ug/L	< 1		< 1	< 1							< 1
1,1-Dichloroethane	2024-08	ug/L	**0.275 J**	< 1	< 1	< 1	< 1			**5.29**	< 1	< 1	**0.825 J**
1,1-Dichloroethane	2025-03	ug/L	< 1		< 1	< 1							**0.352 J**
1,1-Dichloroethane	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			**3.84**	< 1	< 1	< 1
1,1-Dichloroethene	2008-08	ug/L	< 2	< 2	< 2								
1,1-Dichloroethene	2009-03	ug/L	< 2	< 2	< 2								
1,1-Dichloroethene	2009-07	ug/L	< 2	< 2									
1,1-Dichloroethene	2009-09	ug/L	< 2.00	< 2.00	< 2.00								
1,1-Dichloroethene	2010-03	ug/L	< 2.00	< 2.00	< 2.00								
1,1-Dichloroethene	2010-09	ug/L	< 2.00	< 2.00	< 2.00								
1,1-Dichloroethene	2011-03	ug/L	< 2.00	< 2.00	< 2.00								
1,1-Dichloroethene	2011-09	ug/L	< 2.00	< 2.00	< 2.00								
1,1-Dichloroethene	2012-03	ug/L	< 2.00	< 2.00	< 2.00								
1,1-Dichloroethene	2012-09	ug/L	< 2.00	< 2.00	< 2.00								
1,1-Dichloroethene	2013-03	ug/L	< 2	< 2	< 2.00								
1,1-Dichloroethene	2013-09	ug/L	< 2.00	< 2.00	< 2.00		< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
1,1-Dichloroethene	2013-11	ug/L					< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
1,1-Dichloroethene	2014-03	ug/L	< 2.00	< 2.00	< 2.00		< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
1,1-Dichloroethene	2014-06	ug/L					< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
1,1-Dichloroethene	2014-09	ug/L	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2		
1,1-Dichloroethene	2015-03	ug/L	< 2.00	< 2.00	< 2		< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
1,1-Dichloroethene	2015-06	ug/L											
1,1-Dichloroethene	2015-09	ug/L	< 2	< 2	< 2								
1,1-Dichloroethene	2015-10	ug/L				< 2	< 2	< 2		< 2	< 2		
1,1-Dichloroethene	2016-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2		
1,1-Dichloroethene	2016-06	ug/L											
1,1-Dichloroethene	2016-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2		
1,1-Dichloroethene	2017-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2		
1,1-Dichloroethene	2017-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2		
1,1-Dichloroethene	2017-11	ug/L										< 2	< 2
1,1-Dichloroethene	2018-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	2018-06	ug/L												
1,1-Dichloroethene	2018-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2	< 2
1,1-Dichloroethene	2018-09	ug/L							< 2	< 2				
1,1-Dichloroethene	2018-11	ug/L											< 2	
1,1-Dichloroethene	2019-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2019-04	ug/L												
1,1-Dichloroethene	2019-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2020-03	ug/L		< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethene	2020-04	ug/L	< 2		< 2									
1,1-Dichloroethene	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2
1,1-Dichloroethene	2021-03	ug/L				< 2								
1,1-Dichloroethene	2021-08	ug/L	< 2	< 20	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2
1,1-Dichloroethene	2022-03	ug/L				< 2								
1,1-Dichloroethene	2022-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2
1,1-Dichloroethene	2023-03	ug/L				< 2								
1,1-Dichloroethene	2023-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2
1,1-Dichloroethene	2024-03	ug/L				< 2								
1,1-Dichloroethene	2024-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2
1,1-Dichloroethene	2025-03	ug/L				< 2								
1,1-Dichloroethene	2025-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2
1,1-Dichloropropene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
1,1-Dichloropropene	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
1,1-Dichloropropene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,1-Dichloropropene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00				< 1.00				
1,1-Dichloropropene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00				< 1.00				
1,1-Dichloropropene	2012-09	ug/L		< 4.00										
1,1-Dichloropropene	2015-06	ug/L						< 1	< 1					
1,1-Dichloropropene	2015-09	ug/L	< 1	< 1				< 1	< 1	< 1	< 1			
1,1-Dichloropropene	2015-10	ug/L			< 1	< 1								
1,1-Dichloropropene	2016-03	ug/L												
1,1-Dichloropropene	2016-06	ug/L					< 1							
1,1-Dichloropropene	2016-08	ug/L					< 1							
1,1-Dichloropropene	2018-11	ug/L											< 1	
1,1-Dichloropropene	2019-03	ug/L											< 1	
1,1-Dichloropropene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
1,1-Dichloropropene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
1,2,3-Trichloropropane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
1,2,3-Trichloropropane	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
1,2,3-Trichloropropane	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	2013-03	ug/L	< 1.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1	< 1	< 1
1,2,3-Trichloropropane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	2013-11	ug/L												
1,2,3-Trichloropropane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	2014-06	ug/L												
1,2,3-Trichloropropane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2015-03	ug/L	< 1.00	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00
1,2,3-Trichloropropane	2015-06	ug/L						< 1	< 1					
1,2,3-Trichloropropane	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
1,2,3-Trichloropropane	2015-10	ug/L			< 1	< 1							< 1	< 1
1,2,3-Trichloropropane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2016-06	ug/L					< 1							
1,2,3-Trichloropropane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2017-11	ug/L												
1,2,3-Trichloropropane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2018-06	ug/L												
1,2,3-Trichloropropane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2018-09	ug/L							< 1	< 1				
1,2,3-Trichloropropane	2018-11	ug/L											< 1	
1,2,3-Trichloropropane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2019-04	ug/L												
1,2,3-Trichloropropane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2020-03	ug/L		< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2020-04	ug/L	< 1		< 1									
1,2,3-Trichloropropane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2,3-Trichloropropane	2021-03	ug/L				< 1								
1,2,3-Trichloropropane	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2,3-Trichloropropane	2022-03	ug/L				< 1								
1,2,3-Trichloropropane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2,3-Trichloropropane	2023-03	ug/L				< 1								
1,2,3-Trichloropropane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2,3-Trichloropropane	2024-03	ug/L				< 1								
1,2,3-Trichloropropane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2,3-Trichloropropane	2025-03	ug/L				< 1								
1,2,3-Trichloropropane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2,4,5-Tetrachlorobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2,4,5-Tetrachlorobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
1,1-Dichloroethene	2018-06	ug/L										< 2	< 2
1,1-Dichloroethene	2018-08	ug/L	< 2	< 2	< 2	< 2		< 2		< 2			
1,1-Dichloroethene	2018-09	ug/L									< 2	< 2	< 2
1,1-Dichloroethene	2018-11	ug/L										< 2	< 2
1,1-Dichloroethene	2019-03	ug/L	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2	
1,1-Dichloroethene	2019-04	ug/L											< 2
1,1-Dichloroethene	2019-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2
1,1-Dichloroethene	2020-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2
1,1-Dichloroethene	2020-04	ug/L											
1,1-Dichloroethene	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2	< 2
1,1-Dichloroethene	2021-03	ug/L	< 2		< 2	< 2							< 2
1,1-Dichloroethene	2021-08	ug/L	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2	< 2
1,1-Dichloroethene	2022-03	ug/L	< 2		< 2	< 2							< 2
1,1-Dichloroethene	2022-08	ug/L	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2	< 2
1,1-Dichloroethene	2023-03	ug/L	< 2		< 2	< 2							< 2
1,1-Dichloroethene	2023-08	ug/L	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2	< 2
1,1-Dichloroethene	2024-03	ug/L	< 2		< 2	< 2							< 2
1,1-Dichloroethene	2024-08	ug/L	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2	< 2
1,1-Dichloroethene	2025-03	ug/L	< 2		< 2	< 2							< 2
1,1-Dichloroethene	2025-08	ug/L	< 2	< 2	< 2 J	< 2	< 2			< 2	< 2	< 2	< 2
1,1-Dichloropropene	2008-08	ug/L	< 1	< 1	< 1								
1,1-Dichloropropene	2009-03	ug/L	< 1	< 1	< 1								
1,1-Dichloropropene	2009-07	ug/L	< 1	< 1									
1,1-Dichloropropene	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1-Dichloropropene	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
1,1-Dichloropropene	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
1,1-Dichloropropene	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
1,1-Dichloropropene	2012-09	ug/L											
1,1-Dichloropropene	2015-06	ug/L											
1,1-Dichloropropene	2015-09	ug/L	< 1	< 1	< 1								
1,1-Dichloropropene	2015-10	ug/L				< 1							
1,1-Dichloropropene	2016-03	ug/L			< 1	< 1							
1,1-Dichloropropene	2016-06	ug/L											
1,1-Dichloropropene	2016-08	ug/L			< 1	< 1							
1,1-Dichloropropene	2018-11	ug/L											
1,1-Dichloropropene	2019-03	ug/L											
1,1-Dichloropropene	2020-08	ug/L	< 1	< 1	< 1	< 1							
1,1-Dichloropropene	2025-08	ug/L	< 1	< 1	< 1 J	< 1							
1,2,3-Trichloropropane	2008-08	ug/L	< 1	< 1	< 1								
1,2,3-Trichloropropane	2009-03	ug/L	< 1	< 1	< 1								
1,2,3-Trichloropropane	2009-07	ug/L	< 1	< 1									
1,2,3-Trichloropropane	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
1,2,3-Trichloropropane	2010-03	ug/L	< 2.00	< 2.00	< 2.00								
1,2,3-Trichloropropane	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
1,2,3-Trichloropropane	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
1,2,3-Trichloropropane	2011-09	ug/L	< 1.00	< 1.00	< 1.00								
1,2,3-Trichloropropane	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
1,2,3-Trichloropropane	2012-09	ug/L	< 1.00	< 1.00	< 1.00								
1,2,3-Trichloropropane	2013-03	ug/L	< 1	< 1	< 1.00								
1,2,3-Trichloropropane	2013-09	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2,3-Trichloropropane	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2,3-Trichloropropane	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2,3-Trichloropropane	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2,3-Trichloropropane	2014-09	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
1,2,3-Trichloropropane	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2,3-Trichloropropane	2015-06	ug/L											
1,2,3-Trichloropropane	2015-09	ug/L	< 1	< 1	< 1								
1,2,3-Trichloropropane	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
1,2,3-Trichloropropane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,2,3-Trichloropropane	2016-06	ug/L											
1,2,3-Trichloropropane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,2,3-Trichloropropane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,2,3-Trichloropropane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,2,3-Trichloropropane	2017-11	ug/L										< 1	< 1
1,2,3-Trichloropropane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2018-06	ug/L										< 1	< 1
1,2,3-Trichloropropane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
1,2,3-Trichloropropane	2018-09	ug/L									< 1	< 1	< 1
1,2,3-Trichloropropane	2018-11	ug/L										< 1	< 1
1,2,3-Trichloropropane	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
1,2,3-Trichloropropane	2019-04	ug/L											< 1
1,2,3-Trichloropropane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2020-04	ug/L											
1,2,3-Trichloropropane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2021-03	ug/L	< 1		< 1	< 1							< 1
1,2,3-Trichloropropane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2022-03	ug/L	< 1		< 1	< 1							< 1
1,2,3-Trichloropropane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2023-03	ug/L	< 1		< 1	< 1							< 1
1,2,3-Trichloropropane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2024-03	ug/L	< 1		< 1	< 1							< 1
1,2,3-Trichloropropane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	2025-03	ug/L	< 1		< 1	< 1							< 1
1,2,3-Trichloropropane	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
1,2,4,5-Tetrachlorobenzene	2008-08	ug/L	< 10	< 10	< 10								
1,2,4,5-Tetrachlorobenzene	2009-03	ug/L	< 10	< 10	< 10								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4,5-Tetrachlorobenzene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
1,2,4,5-Tetrachlorobenzene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
1,2,4,5-Tetrachlorobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2,4,5-Tetrachlorobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
1,2,4,5-Tetrachlorobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
1,2,4,5-Tetrachlorobenzene	2015-06	ug/L						< 10.5	< 11.1					
1,2,4,5-Tetrachlorobenzene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
1,2,4,5-Tetrachlorobenzene	2015-10	ug/L			< 10.3	< 10.5								
1,2,4,5-Tetrachlorobenzene	2016-03	ug/L												
1,2,4,5-Tetrachlorobenzene	2016-06	ug/L					< 11.4							
1,2,4,5-Tetrachlorobenzene	2016-08	ug/L					< 11							
1,2,4,5-Tetrachlorobenzene	2018-11	ug/L											< 11.6	
1,2,4,5-Tetrachlorobenzene	2019-03	ug/L											< 12.2	
1,2,4,5-Tetrachlorobenzene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
1,2,4,5-Tetrachlorobenzene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
1,2,4-Trichlorobenzene	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trichlorobenzene	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trichlorobenzene	2009-07	ug/L	< 5	< 5	< 5	< 5		< 5	< 5.00	< 5.00	< 5			
1,2,4-Trichlorobenzene	2009-09	ug/L	< 5.00	< 5	< 5.00	< 25.0		< 5	< 5	< 5	< 5			
1,2,4-Trichlorobenzene	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 10.0
1,2,4-Trichlorobenzene	2010-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00				< 5.00				
1,2,4-Trichlorobenzene	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00				< 5.00				
1,2,4-Trichlorobenzene	2012-09	ug/L		< 5.00										
1,2,4-Trichlorobenzene	2015-06	ug/L						< 5	< 5					
1,2,4-Trichlorobenzene	2015-09	ug/L	< 5	< 5				< 5	< 5	< 5	< 5			
1,2,4-Trichlorobenzene	2015-10	ug/L			< 5	< 5								
1,2,4-Trichlorobenzene	2016-03	ug/L												
1,2,4-Trichlorobenzene	2016-06	ug/L					< 5							
1,2,4-Trichlorobenzene	2016-08	ug/L					< 5							
1,2,4-Trichlorobenzene	2018-11	ug/L											**0.928 J**	
1,2,4-Trichlorobenzene	2019-03	ug/L											< 5	
1,2,4-Trichlorobenzene	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			
1,2,4-Trichlorobenzene	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			
1,2-Dibromo-3-chloropropane	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromo-3-chloropropane	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromo-3-chloropropane	2009-07	ug/L	< 10	< 10	< 10	< 10		< 10	< 10.0	< 10.0	< 10			
1,2-Dibromo-3-chloropropane	2009-09	ug/L	< 10.0	< 10	< 10.0	< 50.0		< 10	< 10	< 10	< 10			
1,2-Dibromo-3-chloropropane	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	2010-09	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 10.0	< 10.0	< 10.0	< 20.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	2013-03	ug/L	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10	< 10	< 10
1,2-Dibromo-3-chloropropane	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	2013-11	ug/L												
1,2-Dibromo-3-chloropropane	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	2014-06	ug/L												
1,2-Dibromo-3-chloropropane	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromo-3-chloropropane	2015-03	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	2015-06	ug/L						< 10	< 10					
1,2-Dibromo-3-chloropropane	2015-09	ug/L	< 10	< 10			< 10	< 10	< 10	< 10	< 10	< 10		
1,2-Dibromo-3-chloropropane	2015-10	ug/L			< 10	< 10							< 10	< 10
1,2-Dibromo-3-chloropropane	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromo-3-chloropropane	2016-06	ug/L					< 10							
1,2-Dibromo-3-chloropropane	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2017-11	ug/L												
1,2-Dibromo-3-chloropropane	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2018-06	ug/L												
1,2-Dibromo-3-chloropropane	2018-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2018-09	ug/L							< 5	< 5				
1,2-Dibromo-3-chloropropane	2018-11	ug/L											< 5	
1,2-Dibromo-3-chloropropane	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2019-04	ug/L												
1,2-Dibromo-3-chloropropane	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2020-03	ug/L		< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2020-04	ug/L	< 5		< 5									
1,2-Dibromo-3-chloropropane	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
1,2-Dibromo-3-chloropropane	2021-03	ug/L				< 5								
1,2-Dibromo-3-chloropropane	2021-08	ug/L	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
1,2-Dibromo-3-chloropropane	2022-03	ug/L				< 5								
1,2-Dibromo-3-chloropropane	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
1,2-Dibromo-3-chloropropane	2023-03	ug/L				< 5								
1,2-Dibromo-3-chloropropane	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
1,2-Dibromo-3-chloropropane	2024-03	ug/L				< 5								
1,2-Dibromo-3-chloropropane	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
1,2-Dibromo-3-chloropropane	2025-03	ug/L				< 5								
1,2-Dibromo-3-chloropropane	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
1,2-Dibromoethane	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromoethane	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromoethane	2009-07	ug/L	< 10	< 10	< 10	< 10		< 10	< 10.0	< 10.0	< 10			
1,2-Dibromoethane	2009-09	ug/L	< 10.0	< 10	< 10.0	< 50.0		< 10	< 10	< 10	< 10			
1,2-Dibromoethane	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromoethane	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromoethane	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
1,2,4,5-Tetrachlorobenzene	2009-07	ug/L	< 10	< 10	< 10.0								
1,2,4,5-Tetrachlorobenzene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
1,2,4,5-Tetrachlorobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
1,2,4,5-Tetrachlorobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
1,2,4,5-Tetrachlorobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
1,2,4,5-Tetrachlorobenzene	2015-06	ug/L											
1,2,4,5-Tetrachlorobenzene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
1,2,4,5-Tetrachlorobenzene	2015-10	ug/L				< 10.6							
1,2,4,5-Tetrachlorobenzene	2016-03	ug/L			< 10	< 10							
1,2,4,5-Tetrachlorobenzene	2016-06	ug/L											
1,2,4,5-Tetrachlorobenzene	2016-08	ug/L			< 11.1	< 11.5							
1,2,4,5-Tetrachlorobenzene	2018-11	ug/L											
1,2,4,5-Tetrachlorobenzene	2019-03	ug/L											
1,2,4,5-Tetrachlorobenzene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
1,2,4,5-Tetrachlorobenzene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
1,2,4-Trichlorobenzene	2008-08	ug/L	< 5	< 5	< 5								
1,2,4-Trichlorobenzene	2009-03	ug/L	< 5	< 5	< 5								
1,2,4-Trichlorobenzene	2009-07	ug/L	< 5	< 5									
1,2,4-Trichlorobenzene	2009-09	ug/L	< 5.00	< 5.00	< 5.00								
1,2,4-Trichlorobenzene	2010-03	ug/L	< 5.00	< 5.00	< 5.00								
1,2,4-Trichlorobenzene	2010-09	ug/L	< 5.00	< 5.00	< 5.00								
1,2,4-Trichlorobenzene	2011-03	ug/L	< 5.00	< 5.00	< 5.00								
1,2,4-Trichlorobenzene	2012-09	ug/L											
1,2,4-Trichlorobenzene	2015-06	ug/L											
1,2,4-Trichlorobenzene	2015-09	ug/L	< 5	< 5	< 5								
1,2,4-Trichlorobenzene	2015-10	ug/L				< 5							
1,2,4-Trichlorobenzene	2016-03	ug/L			< 5	< 5							
1,2,4-Trichlorobenzene	2016-06	ug/L											
1,2,4-Trichlorobenzene	2016-08	ug/L			< 5	< 5							
1,2,4-Trichlorobenzene	2018-11	ug/L											
1,2,4-Trichlorobenzene	2019-03	ug/L											
1,2,4-Trichlorobenzene	2020-08	ug/L	< 5	< 5	< 5	< 5							
1,2,4-Trichlorobenzene	2025-08	ug/L	< 5	< 5	< 5 J	< 5							
1,2-Dibromo-3-chloropropane	2008-08	ug/L	< 10	< 10	< 10								
1,2-Dibromo-3-chloropropane	2009-03	ug/L	< 10	< 10	< 10								
1,2-Dibromo-3-chloropropane	2009-07	ug/L	< 10	< 10									
1,2-Dibromo-3-chloropropane	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
1,2-Dibromo-3-chloropropane	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
1,2-Dibromo-3-chloropropane	2010-09	ug/L	< 20.0	< 20.0	< 20.0								
1,2-Dibromo-3-chloropropane	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
1,2-Dibromo-3-chloropropane	2011-09	ug/L	< 10.0	< 10.0	< 10.0								
1,2-Dibromo-3-chloropropane	2012-03	ug/L	< 10.0	< 10.0	< 10.0								
1,2-Dibromo-3-chloropropane	2012-09	ug/L	< 10.0	< 10.0	< 10.0								
1,2-Dibromo-3-chloropropane	2013-03	ug/L	< 10	< 10	< 10.0								
1,2-Dibromo-3-chloropropane	2013-09	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromo-3-chloropropane	2013-11	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromo-3-chloropropane	2014-03	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromo-3-chloropropane	2014-06	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromo-3-chloropropane	2014-09	ug/L	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10		
1,2-Dibromo-3-chloropropane	2015-03	ug/L	< 10.0	< 10.0	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromo-3-chloropropane	2015-06	ug/L											
1,2-Dibromo-3-chloropropane	2015-09	ug/L	< 10	< 10	< 10								
1,2-Dibromo-3-chloropropane	2015-10	ug/L				< 10	< 10	< 10		< 10	< 10		
1,2-Dibromo-3-chloropropane	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
1,2-Dibromo-3-chloropropane	2016-06	ug/L											
1,2-Dibromo-3-chloropropane	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
1,2-Dibromo-3-chloropropane	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
1,2-Dibromo-3-chloropropane	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
1,2-Dibromo-3-chloropropane	2017-11	ug/L										< 5	< 5
1,2-Dibromo-3-chloropropane	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2018-06	ug/L										< 5	< 5
1,2-Dibromo-3-chloropropane	2018-08	ug/L	< 5	< 5	< 5	< 5		< 5		< 5			
1,2-Dibromo-3-chloropropane	2018-09	ug/L									< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2018-11	ug/L										< 5	< 5
1,2-Dibromo-3-chloropropane	2019-03	ug/L	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	
1,2-Dibromo-3-chloropropane	2019-04	ug/L											< 5
1,2-Dibromo-3-chloropropane	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2020-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2020-04	ug/L											
1,2-Dibromo-3-chloropropane	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2021-03	ug/L	< 5		< 5	< 5							< 5
1,2-Dibromo-3-chloropropane	2021-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2022-03	ug/L	< 5		< 5	< 5							< 5
1,2-Dibromo-3-chloropropane	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2023-03	ug/L	< 5		< 5	< 5							< 5
1,2-Dibromo-3-chloropropane	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2024-03	ug/L	< 5		< 5	< 5							< 5
1,2-Dibromo-3-chloropropane	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	2025-03	ug/L	< 5		< 5	< 5							< 5
1,2-Dibromo-3-chloropropane	2025-08	ug/L	< 5	< 5	< 5 J	< 5	< 5			< 5	< 5	< 5	< 5
1,2-Dibromoethane	2008-08	ug/L	< 10	< 10	< 10								
1,2-Dibromoethane	2009-03	ug/L	< 10	< 10	< 10								
1,2-Dibromoethane	2009-07	ug/L	< 10	< 10									
1,2-Dibromoethane	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
1,2-Dibromoethane	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
1,2-Dibromoethane	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
1,2-Dibromoethane	2011-03	ug/L	< 10.0	< 10.0	< 10.0								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromoethane	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromoethane	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromoethane	2013-03	ug/L	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10	< 10	< 10
1,2-Dibromoethane	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromoethane	2013-11	ug/L												
1,2-Dibromoethane	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromoethane	2014-06	ug/L												
1,2-Dibromoethane	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromoethane	2015-03	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0
1,2-Dibromoethane	2015-06	ug/L						< 10	< 10					
1,2-Dibromoethane	2015-09	ug/L	< 10	< 10			< 10	< 10	< 10	< 10	< 10	< 10		
1,2-Dibromoethane	2015-10	ug/L			< 10	< 10							< 10	< 10
1,2-Dibromoethane	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromoethane	2016-06	ug/L					< 10							
1,2-Dibromoethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2017-11	ug/L												
1,2-Dibromoethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2018-06	ug/L												
1,2-Dibromoethane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dibromoethane	2018-09	ug/L							< 1	< 1				
1,2-Dibromoethane	2018-11	ug/L											< 1	
1,2-Dibromoethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2019-04	ug/L												
1,2-Dibromoethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2020-03	ug/L		< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromoethane	2020-04	ug/L	< 1		< 1									
1,2-Dibromoethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dibromoethane	2021-03	ug/L				< 1								
1,2-Dibromoethane	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dibromoethane	2022-03	ug/L				< 1								
1,2-Dibromoethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dibromoethane	2023-03	ug/L				< 1								
1,2-Dibromoethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dibromoethane	2024-03	ug/L				< 1								
1,2-Dibromoethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dibromoethane	2025-03	ug/L				< 1								
1,2-Dibromoethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dichlorobenzene	2008-08	ug/L	< 1	**1.8**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2009-03	ug/L	< 1	**1.48**	< 1	**1.17**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2009-07	ug/L	< 1	**1.59**	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
1,2-Dichlorobenzene	2009-09	ug/L	< 1.00	**2.41**	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
1,2-Dichlorobenzene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	**1.48**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichlorobenzene	2010-09	ug/L	< 1.00	**1.46**	< 1.00	**1.48**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichlorobenzene	2011-03	ug/L	< 1.00	**1.36**	< 1.00	**1.20**	< 1.00	< 1.00	< 1.00	**1.28**	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichlorobenzene	2011-09	ug/L	< 1.00	**1.50**	< 1.00	**1.39**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichlorobenzene	2012-03	ug/L	< 1.00	**1.12**	< 1.00	**1.00**	< 1.00	< 1.00	< 1.00	**1.08**	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichlorobenzene	2012-09	ug/L	< 1.00	**1.13**	< 1.00	**1.08**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichlorobenzene	2013-03	ug/L	< 1.00	**0.620 J**	< 1	**1.57**	< 1	< 1	< 1	**0.889 J**	< 1.00	< 1	< 1	< 1
1,2-Dichlorobenzene	2013-09	ug/L	< 1.00	**1.50**	< 1.00	**1.68**	< 1.00	< 1.00	< 1.00	**1.05**	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichlorobenzene	2013-11	ug/L												
1,2-Dichlorobenzene	2014-03	ug/L	< 1.00	**3.01**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**0.607 J**	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichlorobenzene	2014-06	ug/L												
1,2-Dichlorobenzene	2014-09	ug/L	< 1	**1.71**	< 1	**1.99**	< 1	< 1	< 1	**0.934 J**	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2015-03	ug/L	< 1.00	< 1	< 1.00	**1.32**	< 1	< 1	< 1.00	**0.720 J**	< 1	< 1	< 1.00	< 1.00
1,2-Dichlorobenzene	2015-06	ug/L						< 1	< 1					
1,2-Dichlorobenzene	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	**0.316 J**	< 1	< 1		
1,2-Dichlorobenzene	2015-10	ug/L			< 1	**1.52**							< 1	< 1
1,2-Dichlorobenzene	2016-03	ug/L	< 1	< 1	< 1	**2.13**	< 1	< 1	< 1	**1.06**	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2016-06	ug/L					< 1							
1,2-Dichlorobenzene	2016-08	ug/L	< 1	< 1	< 1	**1.74**	< 1	< 1	< 1	**0.594 J**	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2017-03	ug/L	< 1	< 1	< 1	**2.26**	< 1	< 1	< 1	**0.643 J**	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2017-08	ug/L	< 1	< 1	< 1	**1.44**	< 1	< 1	< 1	**0.704 J**	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2017-11	ug/L												
1,2-Dichlorobenzene	2018-03	ug/L	< 1	< 1	< 1	**1.44**	< 1	< 1	< 1	**0.435 J**	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2018-06	ug/L												
1,2-Dichlorobenzene	2018-08	ug/L	< 1	< 1	< 1	**1.26**	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2018-09	ug/L							< 1	**0.659 J**				
1,2-Dichlorobenzene	2018-11	ug/L											< 1	
1,2-Dichlorobenzene	2019-03	ug/L	< 1	**0.756 J**	< 1	**2.22**	< 1	< 1	< 1	**0.613 J**	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2019-04	ug/L												
1,2-Dichlorobenzene	2019-08	ug/L	< 1	< 1	< 1	**1.16**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2020-03	ug/L		< 1		**2**	< 1	< 1	< 1	**1.02**	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2020-04	ug/L	< 1		< 1									
1,2-Dichlorobenzene	2020-08	ug/L	< 1	< 1	< 1	**1.56**	< 1	< 1	< 1	**1.03**	< 1			< 1
1,2-Dichlorobenzene	2021-03	ug/L				**2.16**								
1,2-Dichlorobenzene	2021-08	ug/L	< 1	< 10	< 1	**1.58**	< 1	< 1	< 1	**0.857 J**	< 1			< 1
1,2-Dichlorobenzene	2022-03	ug/L				**1.08**								
1,2-Dichlorobenzene	2022-08	ug/L	< 1	< 1	< 1	**1.6**	< 1	< 1	< 1	**0.764 J**	< 1			< 1
1,2-Dichlorobenzene	2023-03	ug/L				**0.955 J**								
1,2-Dichlorobenzene	2023-08	ug/L	< 1	< 1	< 1	**0.495 J**	< 1	< 1	< 1	**0.648 J**	< 1			< 1
1,2-Dichlorobenzene	2024-03	ug/L				**1.96**								
1,2-Dichlorobenzene	2024-08	ug/L	< 1	< 1	< 1	**1.43**	< 1	< 1	< 1	**0.605 J**	< 1			< 1
1,2-Dichlorobenzene	2025-03	ug/L				**1.33**								
1,2-Dichlorobenzene	2025-08	ug/L	< 1	< 1	< 1	**1.23**	< 1	< 1	< 1	**0.606 J**	< 1			< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
1,2-Dibromoethane	2011-09	ug/L	< 10.0	< 10.0	< 10.0								
1,2-Dibromoethane	2012-03	ug/L	< 10.0	< 10.0	< 10.0								
1,2-Dibromoethane	2012-09	ug/L	< 10.0	< 10.0	< 10.0								
1,2-Dibromoethane	2013-03	ug/L	< 10	< 10	< 10.0								
1,2-Dibromoethane	2013-09	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromoethane	2013-11	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromoethane	2014-03	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromoethane	2014-06	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromoethane	2014-09	ug/L	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10		
1,2-Dibromoethane	2015-03	ug/L	< 10.0	< 10.0	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
1,2-Dibromoethane	2015-06	ug/L											
1,2-Dibromoethane	2015-09	ug/L	< 10	< 10	< 10								
1,2-Dibromoethane	2015-10	ug/L				< 10	< 10	< 10		< 10	< 10		
1,2-Dibromoethane	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
1,2-Dibromoethane	2016-06	ug/L											
1,2-Dibromoethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,2-Dibromoethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,2-Dibromoethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,2-Dibromoethane	2017-11	ug/L										< 1	< 1
1,2-Dibromoethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,2-Dibromoethane	2018-06	ug/L										< 1	< 1
1,2-Dibromoethane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
1,2-Dibromoethane	2018-09	ug/L									< 1	< 1	< 1
1,2-Dibromoethane	2018-11	ug/L										< 1	< 1
1,2-Dibromoethane	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
1,2-Dibromoethane	2019-04	ug/L											< 1
1,2-Dibromoethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,2-Dibromoethane	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,2-Dibromoethane	2020-04	ug/L											
1,2-Dibromoethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dibromoethane	2021-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dibromoethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dibromoethane	2022-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dibromoethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dibromoethane	2023-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dibromoethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dibromoethane	2024-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dibromoethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dibromoethane	2025-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dibromoethane	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2008-08	ug/L	< 1	< 1	< 1								
1,2-Dichlorobenzene	2009-03	ug/L	< 1	< 1	< 1								
1,2-Dichlorobenzene	2009-07	ug/L	< 1	< 1									
1,2-Dichlorobenzene	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
1,2-Dichlorobenzene	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
1,2-Dichlorobenzene	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
1,2-Dichlorobenzene	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
1,2-Dichlorobenzene	2011-09	ug/L	< 1.00	< 1.00	< 1.00								
1,2-Dichlorobenzene	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
1,2-Dichlorobenzene	2012-09	ug/L	< 1.00	< 1.00	< 1.00								
1,2-Dichlorobenzene	2013-03	ug/L	< 1	**0.453 J**	< 1.00								
1,2-Dichlorobenzene	2013-09	ug/L	< 1.00	**0.457 J**	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichlorobenzene	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichlorobenzene	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichlorobenzene	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichlorobenzene	2014-09	ug/L	< 1	**0.47 J**	< 1		< 1	< 1	< 1	< 1	< 1		
1,2-Dichlorobenzene	2015-03	ug/L	**0.152 J**	**0.352 J**	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichlorobenzene	2015-06	ug/L											
1,2-Dichlorobenzene	2015-09	ug/L	< 1	< 1	< 1								
1,2-Dichlorobenzene	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
1,2-Dichlorobenzene	2016-03	ug/L	< 1	**0.407 J**	< 1	< 1	< 1	< 1		< 1	< 1		
1,2-Dichlorobenzene	2016-06	ug/L											
1,2-Dichlorobenzene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,2-Dichlorobenzene	2017-03	ug/L	< 1	**0.363 J**	< 1	< 1	< 1	< 1		< 1	< 1		
1,2-Dichlorobenzene	2017-08	ug/L	< 1	**0.319 J**	< 1	< 1	< 1	< 1		< 1	< 1		
1,2-Dichlorobenzene	2017-11	ug/L										< 1	**0.204 J**
1,2-Dichlorobenzene	2018-03	ug/L	< 1	**0.39 J**	< 1	< 1	< 1	< 1		< 1	< 1	< 1	**0.331 J**
1,2-Dichlorobenzene	2018-06	ug/L										< 1	< 1
1,2-Dichlorobenzene	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
1,2-Dichlorobenzene	2018-09	ug/L									< 1	< 1	< 1
1,2-Dichlorobenzene	2018-11	ug/L										< 1	< 1
1,2-Dichlorobenzene	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
1,2-Dichlorobenzene	2019-04	ug/L											**0.4 J**
1,2-Dichlorobenzene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2020-04	ug/L											
1,2-Dichlorobenzene	2020-08	ug/L	< 1	**0.391 J**	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2021-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dichlorobenzene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2022-03	ug/L	< 1		< 1	< 1							**0.401 J**
1,2-Dichlorobenzene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2023-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dichlorobenzene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2024-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dichlorobenzene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	2025-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dichlorobenzene	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2009-03	ug/L	< 0.2	**0.28 J**	< 0.2	**1.29**	< 0.2	< 0.2	< 0.2	**0.31 J**	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	2009-07	ug/L	< 1 J	**0.28 J**	< 1	< 1 J		< 1	< 0.200	**0.470 J**	< 1			
1,2-Dichloroethane	2009-09	ug/L	< 1.00	**0.39 J**	< 1.00	< 5.00		< 0.315	< 0.315	**0.41 J**	< 0.315			
1,2-Dichloroethane	2010-03	ug/L	**0.330 J**	< 0.315	< 0.315	**1.08**	< 0.315	< 0.315	< 0.315	**0.360 J**	< 0.315	< 0.315	< 0.315	< 0.315
1,2-Dichloroethane	2010-09	ug/L	< 0.315	< 0.315	< 0.315	**1.09**	< 1.00	< 1.00	< 1.00	**0.370 J**	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	**0.890 J**	< 0.180	< 0.180	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichloroethane	2011-09	ug/L	< 0.180	**0.310 J**	< 0.180	**0.710 J**	< 0.180	< 0.180	< 0.180	**0.210 J**	< 0.180	< 0.180	< 0.180	< 0.180
1,2-Dichloroethane	2012-03	ug/L	< 0.180	**0.250**	< 0.180	**0.900**	< 0.180	< 0.180	< 0.180	< 0.180	< 0.180	< 0.180	< 0.180	< 0.180
1,2-Dichloroethane	2012-09	ug/L	< 0.180	< 1.00	< 0.180	**0.640**	< 0.180	< 0.180	< 0.180	**0.200**	< 0.180	< 0.180	< 0.180	< 0.180
1,2-Dichloroethane	2013-03	ug/L	< 1.00	< 1.00	< 1	**0.995 J**	< 1	< 1	< 1	**0.413 J**	< 1.00	< 1	< 1	< 1
1,2-Dichloroethane	2013-09	ug/L	< 1.00	**0.250 J**	< 1.00	**0.722 J**	< 1.00	< 1.00	< 1.00	**0.254 J**	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichloroethane	2013-11	ug/L												
1,2-Dichloroethane	2014-03	ug/L	< 1.00	**0.940 J**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichloroethane	2014-06	ug/L												
1,2-Dichloroethane	2014-09	ug/L	< 1	< 1	< 1	**0.443 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2015-03	ug/L	< 1.00	< 1	< 1.00	**0.315 J**	< 1	< 1	< 1.00	**0.231 J**	< 1	< 1	< 1.00	< 1.00
1,2-Dichloroethane	2015-06	ug/L						< 1	< 1					
1,2-Dichloroethane	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichloroethane	2015-10	ug/L			< 1	**0.572 J**							< 1	< 1
1,2-Dichloroethane	2016-03	ug/L	< 1	< 1	< 1	**0.801 J**	< 1	< 1	< 1	**0.277 J**	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2016-06	ug/L					< 1							
1,2-Dichloroethane	2016-08	ug/L	< 1	< 1	< 1	**0.768 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2017-03	ug/L	**0.347 J**	< 1	< 1	**0.846 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2017-08	ug/L	**0.399 J**	< 1	< 1	**0.475 J**	< 1	< 1	< 1	**0.274 J**	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2017-11	ug/L												
1,2-Dichloroethane	2018-03	ug/L	**0.268 J**	< 1	< 1	**0.36 J**	< 1	< 1	< 1	**0.299 J**	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2018-06	ug/L												
1,2-Dichloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichloroethane	2018-09	ug/L							< 1	< 1				
1,2-Dichloroethane	2018-11	ug/L											< 1	
1,2-Dichloroethane	2019-03	ug/L	< 1	< 1	< 1	**0.448 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2019-04	ug/L												
1,2-Dichloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2020-03	ug/L		< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2020-04	ug/L	< 1		< 1									
1,2-Dichloroethane	2020-08	ug/L	**0.436 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dichloroethane	2021-03	ug/L				< 1								
1,2-Dichloroethane	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dichloroethane	2022-03	ug/L				< 1								
1,2-Dichloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dichloroethane	2023-03	ug/L				< 1								
1,2-Dichloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dichloroethane	2024-03	ug/L				< 1								
1,2-Dichloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dichloroethane	2025-03	ug/L				< 1								
1,2-Dichloroethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dichloropropane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2009-03	ug/L	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	**0.47 J**	< 0.4	< 0.4	< 0.4	< 0.4
1,2-Dichloropropane	2009-07	ug/L	< 0.4	< 0.4	< 0.4	< 0.4		< 0.4	< 1.00	< 1.00	< 0.4			
1,2-Dichloropropane	2009-09	ug/L	< 1.00	< 0.195	< 1.00	< 5.00		< 0.195	< 0.195	< 0.195	< 0.195			
1,2-Dichloropropane	2010-03	ug/L	**0.580 J**	**0.350 J**	< 0.195	**1.05**	< 0.195	< 0.195	< 0.195	**0.430 J**	< 0.195	< 0.195	< 0.195	< 0.195
1,2-Dichloropropane	2010-09	ug/L	< 0.195	< 0.195	< 0.195	**1.04**	< 1.00	< 1.00	< 1.00	< 0.195	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichloropropane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	**0.960 J**	< 0.110	< 0.110	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichloropropane	2011-09	ug/L	< 0.110	< 0.110	< 0.110	**0.700 J**	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110
1,2-Dichloropropane	2012-03	ug/L	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110
1,2-Dichloropropane	2012-09	ug/L	< 0.110	< 1.00	< 0.110	**0.720**	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110	< 0.110
1,2-Dichloropropane	2013-03	ug/L	< 1.00	< 1.00	< 1	**0.978 J**	< 1	< 1	< 1	< 1	< 1.00	< 1	< 1	< 1
1,2-Dichloropropane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichloropropane	2013-11	ug/L												
1,2-Dichloropropane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2-Dichloropropane	2014-06	ug/L												
1,2-Dichloropropane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2015-03	ug/L	< 1.00	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00
1,2-Dichloropropane	2015-06	ug/L						< 1	< 1					
1,2-Dichloropropane	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
1,2-Dichloropropane	2015-10	ug/L			< 1	< 1							< 1	< 1
1,2-Dichloropropane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2016-06	ug/L					< 1							
1,2-Dichloropropane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2017-11	ug/L												
1,2-Dichloropropane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2018-06	ug/L												
1,2-Dichloropropane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichloropropane	2018-09	ug/L							< 1	< 1				
1,2-Dichloropropane	2018-11	ug/L											< 1	
1,2-Dichloropropane	2019-03	ug/L	< 1	< 1	< 1	**0.308 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2019-04	ug/L												
1,2-Dichloropropane	2019-08	ug/L	< 1	< 1	< 1	**0.352 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2020-03	ug/L		< 1		**0.297 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2020-04	ug/L	< 1		< 1									
1,2-Dichloropropane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dichloropropane	2021-03	ug/L				**0.281 J**								
1,2-Dichloropropane	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dichloropropane	2022-03	ug/L				< 1								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**
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Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
1,2-Dichloroethane	2008-08	ug/L	< 1	< 1	< 1								
1,2-Dichloroethane	2009-03	ug/L	< 0.2	< 0.2	< 0.2								
1,2-Dichloroethane	2009-07	ug/L	< 1	< 1									
1,2-Dichloroethane	2009-09	ug/L	< 1.00	< 1.00	< 0.315								
1,2-Dichloroethane	2010-03	ug/L	< 0.315	< 0.315	< 0.315								
1,2-Dichloroethane	2010-09	ug/L	< 0.315	< 0.315	< 0.315								
1,2-Dichloroethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
1,2-Dichloroethane	2011-09	ug/L	< 0.180	< 0.180	< 0.180								
1,2-Dichloroethane	2012-03	ug/L	< 0.180	< 0.180	< 0.180								
1,2-Dichloroethane	2012-09	ug/L	< 0.180	< 0.180	< 0.180								
1,2-Dichloroethane	2013-03	ug/L	< 1	< 1	< 1.00								
1,2-Dichloroethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloroethane	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloroethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloroethane	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloroethane	2014-09	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
1,2-Dichloroethane	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloroethane	2015-06	ug/L											
1,2-Dichloroethane	2015-09	ug/L	< 1	< 1	< 1								
1,2-Dichloroethane	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
1,2-Dichloroethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,2-Dichloroethane	2016-06	ug/L											
1,2-Dichloroethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,2-Dichloroethane	2017-03	ug/L	< 1	**0.185 J**	< 1	< 1	< 1	< 1		< 1	< 1		
1,2-Dichloroethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		**0.196 J**	< 1		
1,2-Dichloroethane	2017-11	ug/L										< 1	< 1
1,2-Dichloroethane	2018-03	ug/L	< 1	**0.209 J**	< 1	< 1	< 1	< 1		**0.227 J**	< 1	< 1	< 1
1,2-Dichloroethane	2018-06	ug/L										< 1	< 1
1,2-Dichloroethane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
1,2-Dichloroethane	2018-09	ug/L									< 1	< 1	< 1
1,2-Dichloroethane	2018-11	ug/L										< 1	< 1
1,2-Dichloroethane	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
1,2-Dichloroethane	2019-04	ug/L											< 1
1,2-Dichloroethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,2-Dichloroethane	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,2-Dichloroethane	2020-04	ug/L											
1,2-Dichloroethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichloroethane	2021-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dichloroethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichloroethane	2022-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dichloroethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichloroethane	2023-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dichloroethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichloroethane	2024-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dichloroethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichloroethane	2025-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dichloroethane	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichloropropane	2008-08	ug/L	< 1	< 1	< 1								
1,2-Dichloropropane	2009-03	ug/L	< 0.4	< 0.4	< 0.4								
1,2-Dichloropropane	2009-07	ug/L	< 0.4	< 0.4									
1,2-Dichloropropane	2009-09	ug/L	< 1.00	< 1.00	< 0.195								
1,2-Dichloropropane	2010-03	ug/L	< 0.195	< 0.195	< 0.195								
1,2-Dichloropropane	2010-09	ug/L	< 0.195	< 0.195	< 0.195								
1,2-Dichloropropane	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
1,2-Dichloropropane	2011-09	ug/L	< 0.110	< 0.110	< 0.110								
1,2-Dichloropropane	2012-03	ug/L	< 0.110	< 0.110	< 0.110								
1,2-Dichloropropane	2012-09	ug/L	< 0.110	< 0.110	< 0.110								
1,2-Dichloropropane	2013-03	ug/L	< 1	< 1	< 1.00								
1,2-Dichloropropane	2013-09	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloropropane	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloropropane	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloropropane	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloropropane	2014-09	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
1,2-Dichloropropane	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,2-Dichloropropane	2015-06	ug/L											
1,2-Dichloropropane	2015-09	ug/L	< 1	< 1	< 1								
1,2-Dichloropropane	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
1,2-Dichloropropane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,2-Dichloropropane	2016-06	ug/L											
1,2-Dichloropropane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,2-Dichloropropane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,2-Dichloropropane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,2-Dichloropropane	2017-11	ug/L										< 1	< 1
1,2-Dichloropropane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,2-Dichloropropane	2018-06	ug/L										< 1	< 1
1,2-Dichloropropane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
1,2-Dichloropropane	2018-09	ug/L									< 1	< 1	< 1
1,2-Dichloropropane	2018-11	ug/L										< 1	< 1
1,2-Dichloropropane	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
1,2-Dichloropropane	2019-04	ug/L											< 1
1,2-Dichloropropane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		**0.314 J**	< 1	< 1	< 1
1,2-Dichloropropane	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
1,2-Dichloropropane	2020-04	ug/L											
1,2-Dichloropropane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			**0.322 J**	< 1	< 1	< 1
1,2-Dichloropropane	2021-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dichloropropane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichloropropane	2022-03	ug/L	< 1		< 1	< 1							< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

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Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dichloropropane	2023-03	ug/L				< 1								
1,2-Dichloropropane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dichloropropane	2024-03	ug/L				< 1								
1,2-Dichloropropane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,2-Dichloropropane	2025-03	ug/L				< 1								
1,2-Dichloropropane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
1,3,5-Trinitrobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3,5-Trinitrobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3,5-Trinitrobenzene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
1,3,5-Trinitrobenzene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
1,3,5-Trinitrobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,3,5-Trinitrobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
1,3,5-Trinitrobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
1,3,5-Trinitrobenzene	2011-09	ug/L												
1,3,5-Trinitrobenzene	2012-03	ug/L												
1,3,5-Trinitrobenzene	2012-09	ug/L												
1,3,5-Trinitrobenzene	2013-03	ug/L												
1,3,5-Trinitrobenzene	2013-09	ug/L												
1,3,5-Trinitrobenzene	2015-06	ug/L						< 10.5	< 11.1					
1,3,5-Trinitrobenzene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
1,3,5-Trinitrobenzene	2015-10	ug/L			< 10.3	< 10.5								
1,3,5-Trinitrobenzene	2016-03	ug/L												
1,3,5-Trinitrobenzene	2016-06	ug/L					< 11.4							
1,3,5-Trinitrobenzene	2016-08	ug/L					< 11							
1,3,5-Trinitrobenzene	2018-11	ug/L											< 11.6	
1,3,5-Trinitrobenzene	2019-03	ug/L											< 12.2	
1,3,5-Trinitrobenzene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
1,3,5-Trinitrobenzene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
1,3-Dichlorobenzene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	2009-03	ug/L	< 1	**1.26**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
1,3-Dichlorobenzene	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
1,3-Dichlorobenzene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,3-Dichlorobenzene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00				< 1.00				
1,3-Dichlorobenzene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00				< 1.00				
1,3-Dichlorobenzene	2011-09	ug/L		< 1.00										
1,3-Dichlorobenzene	2012-03	ug/L		< 1.00										
1,3-Dichlorobenzene	2012-09	ug/L		< 1.00	< 1.00									
1,3-Dichlorobenzene	2013-03	ug/L		< 1.00										
1,3-Dichlorobenzene	2013-09	ug/L		< 1.00										
1,3-Dichlorobenzene	2014-03	ug/L		< 1.00										
1,3-Dichlorobenzene	2014-09	ug/L		< 1										
1,3-Dichlorobenzene	2015-03	ug/L		< 1										
1,3-Dichlorobenzene	2015-06	ug/L						< 1	< 1					
1,3-Dichlorobenzene	2015-09	ug/L	< 1	< 1				< 1	< 1	< 1	< 1			
1,3-Dichlorobenzene	2015-10	ug/L			< 1	< 1								
1,3-Dichlorobenzene	2016-03	ug/L		< 1										
1,3-Dichlorobenzene	2016-06	ug/L					< 1							
1,3-Dichlorobenzene	2016-08	ug/L		< 1			< 1							
1,3-Dichlorobenzene	2017-03	ug/L		< 1										
1,3-Dichlorobenzene	2017-08	ug/L		< 1										
1,3-Dichlorobenzene	2018-03	ug/L		< 1										
1,3-Dichlorobenzene	2018-08	ug/L		< 1										
1,3-Dichlorobenzene	2018-11	ug/L											< 1	
1,3-Dichlorobenzene	2019-03	ug/L		< 1									< 1	
1,3-Dichlorobenzene	2019-08	ug/L		< 1										
1,3-Dichlorobenzene	2020-03	ug/L		< 1										
1,3-Dichlorobenzene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
1,3-Dichlorobenzene	2021-08	ug/L		< 10										
1,3-Dichlorobenzene	2022-08	ug/L		< 1										
1,3-Dichlorobenzene	2023-08	ug/L		< 1										
1,3-Dichlorobenzene	2024-08	ug/L		< 1										
1,3-Dichlorobenzene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
1,3-Dichloropropane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
1,3-Dichloropropane	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
1,3-Dichloropropane	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,3-Dichloropropane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00				< 1.00				
1,3-Dichloropropane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00				< 1.00				
1,3-Dichloropropane	2012-09	ug/L		< 1.00										
1,3-Dichloropropane	2015-06	ug/L						< 1	< 1					
1,3-Dichloropropane	2015-09	ug/L	< 1	< 1				< 1	< 1	< 1	< 1			
1,3-Dichloropropane	2015-10	ug/L			< 1	< 1								
1,3-Dichloropropane	2016-03	ug/L												
1,3-Dichloropropane	2016-06	ug/L					< 1							
1,3-Dichloropropane	2016-08	ug/L					< 1							
1,3-Dichloropropane	2018-11	ug/L											< 1	
1,3-Dichloropropane	2019-03	ug/L											< 1	
1,3-Dichloropropane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
1,3-Dichloropropane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
1,3-Dinitrobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3-Dinitrobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3-Dinitrobenzene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
1,3-Dinitrobenzene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
1,3-Dinitrobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
1,2-Dichloropropane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichloropropane	2023-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dichloropropane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
1,2-Dichloropropane	2024-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dichloropropane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			**0.306 J**	< 1	< 1	< 1
1,2-Dichloropropane	2025-03	ug/L	< 1		< 1	< 1							< 1
1,2-Dichloropropane	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
1,3,5-Trinitrobenzene	2008-08	ug/L	< 10	< 10	< 10								
1,3,5-Trinitrobenzene	2009-03	ug/L	< 10	< 10	< 10								
1,3,5-Trinitrobenzene	2009-07	ug/L	< 10	< 10	< 10.0								
1,3,5-Trinitrobenzene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
1,3,5-Trinitrobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
1,3,5-Trinitrobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
1,3,5-Trinitrobenzene	2011-03	ug/L	< 10.0	**1.72 J**	< 10.0								
1,3,5-Trinitrobenzene	2011-09	ug/L		< 10.0	< 10.0								
1,3,5-Trinitrobenzene	2012-03	ug/L		< 10.0	< 10.0								
1,3,5-Trinitrobenzene	2012-09	ug/L		< 10.0	< 10.0								
1,3,5-Trinitrobenzene	2013-03	ug/L		< 21.5	< 10.4								
1,3,5-Trinitrobenzene	2013-09	ug/L		< 10.9									
1,3,5-Trinitrobenzene	2015-06	ug/L											
1,3,5-Trinitrobenzene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
1,3,5-Trinitrobenzene	2015-10	ug/L				< 10.6							
1,3,5-Trinitrobenzene	2016-03	ug/L			< 10	< 10							
1,3,5-Trinitrobenzene	2016-06	ug/L											
1,3,5-Trinitrobenzene	2016-08	ug/L			< 11.1	< 11.5							
1,3,5-Trinitrobenzene	2018-11	ug/L											
1,3,5-Trinitrobenzene	2019-03	ug/L											
1,3,5-Trinitrobenzene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
1,3,5-Trinitrobenzene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
1,3-Dichlorobenzene	2008-08	ug/L	< 1	< 1	< 1								
1,3-Dichlorobenzene	2009-03	ug/L	< 1	< 1	< 1								
1,3-Dichlorobenzene	2009-07	ug/L	< 1	< 1									
1,3-Dichlorobenzene	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
1,3-Dichlorobenzene	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
1,3-Dichlorobenzene	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
1,3-Dichlorobenzene	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
1,3-Dichlorobenzene	2011-09	ug/L			< 1.00								
1,3-Dichlorobenzene	2012-03	ug/L			< 1.00								
1,3-Dichlorobenzene	2012-09	ug/L											
1,3-Dichlorobenzene	2013-03	ug/L			< 1.00								
1,3-Dichlorobenzene	2013-09	ug/L											
1,3-Dichlorobenzene	2014-03	ug/L			< 1.00								
1,3-Dichlorobenzene	2014-09	ug/L			< 1								
1,3-Dichlorobenzene	2015-03	ug/L			< 1								
1,3-Dichlorobenzene	2015-06	ug/L											
1,3-Dichlorobenzene	2015-09	ug/L	< 1	< 1	< 1								
1,3-Dichlorobenzene	2015-10	ug/L				< 1							
1,3-Dichlorobenzene	2016-03	ug/L			< 1	< 1							
1,3-Dichlorobenzene	2016-06	ug/L											
1,3-Dichlorobenzene	2016-08	ug/L			< 1	< 1							
1,3-Dichlorobenzene	2017-03	ug/L			< 1								
1,3-Dichlorobenzene	2017-08	ug/L			< 1	< 1							
1,3-Dichlorobenzene	2018-03	ug/L			< 1	< 1							
1,3-Dichlorobenzene	2018-08	ug/L			< 1	< 1							
1,3-Dichlorobenzene	2018-11	ug/L											
1,3-Dichlorobenzene	2019-03	ug/L			< 1	< 1							
1,3-Dichlorobenzene	2019-08	ug/L			< 1	< 1							
1,3-Dichlorobenzene	2020-03	ug/L			< 1	< 1							
1,3-Dichlorobenzene	2020-08	ug/L	< 1	< 1	< 1	< 1							
1,3-Dichlorobenzene	2021-08	ug/L			< 1	< 1							
1,3-Dichlorobenzene	2022-08	ug/L			< 1	< 1							
1,3-Dichlorobenzene	2023-08	ug/L			< 1	< 1							
1,3-Dichlorobenzene	2024-08	ug/L			< 1	< 1							
1,3-Dichlorobenzene	2025-08	ug/L	< 1	< 1	< 1 J	< 1							
1,3-Dichloropropane	2008-08	ug/L	< 1	< 1	< 1								
1,3-Dichloropropane	2009-03	ug/L	< 1	< 1	< 1								
1,3-Dichloropropane	2009-07	ug/L	< 1	< 1									
1,3-Dichloropropane	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
1,3-Dichloropropane	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
1,3-Dichloropropane	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
1,3-Dichloropropane	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
1,3-Dichloropropane	2012-09	ug/L											
1,3-Dichloropropane	2015-06	ug/L											
1,3-Dichloropropane	2015-09	ug/L	< 1	< 1	< 1								
1,3-Dichloropropane	2015-10	ug/L				< 1							
1,3-Dichloropropane	2016-03	ug/L			< 1	< 1							
1,3-Dichloropropane	2016-06	ug/L											
1,3-Dichloropropane	2016-08	ug/L			< 1	< 1							
1,3-Dichloropropane	2018-11	ug/L											
1,3-Dichloropropane	2019-03	ug/L											
1,3-Dichloropropane	2020-08	ug/L	< 1	< 1	< 1	< 1							
1,3-Dichloropropane	2025-08	ug/L	< 1	< 1	< 1 J	< 1							
1,3-Dinitrobenzene	2008-08	ug/L	< 10	< 10	< 10								
1,3-Dinitrobenzene	2009-03	ug/L	< 10	< 10	< 10								
1,3-Dinitrobenzene	2009-07	ug/L	< 10	< 10	< 10.0								
1,3-Dinitrobenzene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
1,3-Dinitrobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dinitrobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
1,3-Dinitrobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
1,3-Dinitrobenzene	2012-03	ug/L												
1,3-Dinitrobenzene	2013-03	ug/L												
1,3-Dinitrobenzene	2015-06	ug/L						< 10.5	< 11.1					
1,3-Dinitrobenzene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
1,3-Dinitrobenzene	2015-10	ug/L			< 10.3	< 10.5								
1,3-Dinitrobenzene	2016-03	ug/L												
1,3-Dinitrobenzene	2016-06	ug/L					< 11.4							
1,3-Dinitrobenzene	2016-08	ug/L					< 11							
1,3-Dinitrobenzene	2018-11	ug/L											< 11.6	
1,3-Dinitrobenzene	2019-03	ug/L											< 12.2	
1,3-Dinitrobenzene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
1,3-Dinitrobenzene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
1,4-Dichlorobenzene	2008-08	ug/L	< 1	**1.77**	< 1	**2.53**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	2009-03	ug/L	< 1	< 1	< 1	**3.71**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	2009-07	ug/L	< 1	**1.05**	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
1,4-Dichlorobenzene	2009-09	ug/L	< 1.00	**1.83**	< 1.00	< 5.00		< 1	< 1	**1.01**	< 1			
1,4-Dichlorobenzene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	**8.21**	< 1.00	< 1.00	< 1.00	**1.26**	< 1.00	< 1.00	< 1.00	< 2.00
1,4-Dichlorobenzene	2010-09	ug/L	< 1.00	**1.11**	< 1.00	**5.82**	< 1.00	< 1.00	< 1.00	**1.10**	< 1.00	< 1.00	< 1.00	< 1.00
1,4-Dichlorobenzene	2011-03	ug/L	< 1.00	**1.21**	< 1.00	**4.99**	< 1.00	< 1.00	< 1.00	**1.76**	< 1.00	< 1.00	< 1.00	< 1.00
1,4-Dichlorobenzene	2011-09	ug/L	< 1.00	**1.23**	< 1.00	**4.92**	< 1.00	< 1.00	< 1.00	**1.55**	< 1.00	< 1.00	< 1.00	< 1.00
1,4-Dichlorobenzene	2012-03	ug/L	< 1.00	**1.09**	< 1.00	**3.87**	< 1.00	< 1.00	< 1.00	**1.56**	< 1.00	< 1.00	< 1.00	< 1.00
1,4-Dichlorobenzene	2012-09	ug/L	< 1.00	**1.01**	< 1.00	**3.82**	< 1.00	< 1.00	< 1.00	**1.08**	< 1.00	< 1.00	< 1.00	< 1.00
1,4-Dichlorobenzene	2013-03	ug/L	< 1.00	**0.733 J**	< 1	**5.94**	< 1	< 1	< 1	**1.66**	< 1.00	< 1	< 1	< 1
1,4-Dichlorobenzene	2013-09	ug/L	< 1.00	**1.29**	< 1.00	**5.94**	< 1.00	< 1.00	< 1.00	**1.66**	< 1.00	< 1.00	< 1.00	< 1.00
1,4-Dichlorobenzene	2013-11	ug/L												
1,4-Dichlorobenzene	2014-03	ug/L	< 1.00	**12.1**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**1.05**	< 1.00	< 1.00	< 1.00	< 1.00
1,4-Dichlorobenzene	2014-06	ug/L												
1,4-Dichlorobenzene	2014-09	ug/L	< 1	**1.48**	< 1	**8.16**	< 1	< 1	< 1	**1.59**	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	2015-03	ug/L	< 1.00	< 1	< 1.00	**5.23**	< 1	< 1	< 1.00	**1.22**	< 1	< 1	< 1.00	< 1.00
1,4-Dichlorobenzene	2015-06	ug/L						< 1	< 1					
1,4-Dichlorobenzene	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
1,4-Dichlorobenzene	2015-10	ug/L			< 1	< 1							< 1	< 1
1,4-Dichlorobenzene	2016-03	ug/L	< 1	< 1	< 1	**11.3**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	2016-06	ug/L					< 1							
1,4-Dichlorobenzene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	2017-03	ug/L	< 1	< 1	< 1	**12.9**	< 1	< 1	< 1	**1.47**	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	2017-08	ug/L	< 1	< 1	< 1	**7.86**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	2017-11	ug/L												
1,4-Dichlorobenzene	2018-03	ug/L	< 1	< 1	< 1	**7.22**	< 1	< 1	< 1	**1.13**	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	2018-06	ug/L												
1,4-Dichlorobenzene	2018-08	ug/L	< 1	< 1	< 1	**6.5**	< 1	< 1			< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	2018-09	ug/L							< 1	**1.13**				
1,4-Dichlorobenzene	2018-11	ug/L											< 1	
1,4-Dichlorobenzene	2019-03	ug/L	< 1	< 1	< 1	**11.8**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	2019-04	ug/L												
1,4-Dichlorobenzene	2019-08	ug/L	< 1	< 1	< 1	**10.2**	< 1	< 1	< 1	**1.14**	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	2020-03	ug/L		< 1		**11**	< 1	< 1	< 1	**2.31**	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	2020-04	ug/L	< 1		< 1									
1,4-Dichlorobenzene	2020-08	ug/L	< 1	< 1	< 1	**9**	< 1	< 1	< 1	**2.27**	< 1			< 1
1,4-Dichlorobenzene	2021-03	ug/L				**13.1**								
1,4-Dichlorobenzene	2021-08	ug/L	< 1	< 10	< 1	**9.6**	< 1	< 1	< 1	**1.97**	< 1			< 1
1,4-Dichlorobenzene	2022-03	ug/L				**6.7**								
1,4-Dichlorobenzene	2022-08	ug/L	< 1	< 1	< 1	**8.47**	< 1	< 1	< 1	**1.57**	< 1			< 1
1,4-Dichlorobenzene	2023-03	ug/L				**5.39**								
1,4-Dichlorobenzene	2023-08	ug/L	< 1	< 1	< 1	**7.04**	< 1	< 1	< 1	< 1	< 1			< 1
1,4-Dichlorobenzene	2024-03	ug/L				**12.1**								
1,4-Dichlorobenzene	2024-08	ug/L	< 1	< 1	< 1	**7.57**	< 1	< 1	< 1	**1.36**	< 1			< 1
1,4-Dichlorobenzene	2025-03	ug/L				**7.62**								
1,4-Dichlorobenzene	2025-08	ug/L	< 1	< 1	< 1	**10.2**	< 1	< 1	< 1	**1.92**	< 1			< 1
1,4-Naphthoquinone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-Naphthoquinone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-Naphthoquinone	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
1,4-Naphthoquinone	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
1,4-Naphthoquinone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,4-Naphthoquinone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
1,4-Naphthoquinone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
1,4-Naphthoquinone	2015-06	ug/L						< 10.5	< 11.1					
1,4-Naphthoquinone	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
1,4-Naphthoquinone	2015-10	ug/L			< 10.3	< 10.5								
1,4-Naphthoquinone	2016-03	ug/L												
1,4-Naphthoquinone	2016-06	ug/L					< 11.4							
1,4-Naphthoquinone	2016-08	ug/L					< 11							
1,4-Naphthoquinone	2018-11	ug/L											< 11.6	
1,4-Naphthoquinone	2019-03	ug/L											< 12.2	
1,4-Naphthoquinone	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
1,4-Naphthoquinone	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
1-Naphthylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1-Naphthylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1-Naphthylamine	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
1-Naphthylamine	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
1-Naphthylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1-Naphthylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
1-Naphthylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
1-Naphthylamine	2015-06	ug/L						< 10.5	< 11.1					
1-Naphthylamine	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
1,3-Dinitrobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
1,3-Dinitrobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
1,3-Dinitrobenzene	2012-03	ug/L			< 10.0								
1,3-Dinitrobenzene	2013-03	ug/L			< 10.4								
1,3-Dinitrobenzene	2015-06	ug/L											
1,3-Dinitrobenzene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
1,3-Dinitrobenzene	2015-10	ug/L				< 10.6							
1,3-Dinitrobenzene	2016-03	ug/L			< 10	< 10							
1,3-Dinitrobenzene	2016-06	ug/L											
1,3-Dinitrobenzene	2016-08	ug/L			< 11.1	< 11.5							
1,3-Dinitrobenzene	2018-11	ug/L											
1,3-Dinitrobenzene	2019-03	ug/L											
1,3-Dinitrobenzene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
1,3-Dinitrobenzene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
1,4-Dichlorobenzene	2008-08	ug/L	**1.15**	**3.55**	< 1								
1,4-Dichlorobenzene	2009-03	ug/L	< 1	**3**	< 1								
1,4-Dichlorobenzene	2009-07	ug/L	< 1	< 1									
1,4-Dichlorobenzene	2009-09	ug/L	< 1.00	**4.04**	< 1.00								
1,4-Dichlorobenzene	2010-03	ug/L	< 1.00	**2.70**	< 1.00								
1,4-Dichlorobenzene	2010-09	ug/L	< 1.00	**3.21**	< 1.00								
1,4-Dichlorobenzene	2011-03	ug/L	< 1.00	**2.83**	< 1.00								
1,4-Dichlorobenzene	2011-09	ug/L	< 1.00	**2.96**	< 1.00								
1,4-Dichlorobenzene	2012-03	ug/L	< 1.00	**2.33**	< 1.00								
1,4-Dichlorobenzene	2012-09	ug/L	< 1.00	**2.76**	< 1.00								
1,4-Dichlorobenzene	2013-03	ug/L	**0.491 J**	**2.48**	< 1.00								
1,4-Dichlorobenzene	2013-09	ug/L	**0.857 J**	**2.76**	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,4-Dichlorobenzene	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,4-Dichlorobenzene	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,4-Dichlorobenzene	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,4-Dichlorobenzene	2014-09	ug/L	**0.8 J**	**2.77**	< 1		< 1	< 1	< 1	< 1	< 1		
1,4-Dichlorobenzene	2015-03	ug/L	**0.889 J**	**1.68**	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
1,4-Dichlorobenzene	2015-06	ug/L											
1,4-Dichlorobenzene	2015-09	ug/L	< 1	**1.97**	< 1								
1,4-Dichlorobenzene	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
1,4-Dichlorobenzene	2016-03	ug/L	**0.803 J**	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
1,4-Dichlorobenzene	2016-06	ug/L											
1,4-Dichlorobenzene	2016-08	ug/L	< 1	**1.54**	< 1	< 1	< 1	< 1		< 1	< 1		
1,4-Dichlorobenzene	2017-03	ug/L	**0.641 J**	**1.97**	< 1	< 1	< 1	< 1		**0.429 J**	< 1		
1,4-Dichlorobenzene	2017-08	ug/L	**0.787 J**	**1.85**	< 1	< 1	< 1	< 1		< 1	< 1		
1,4-Dichlorobenzene	2017-11	ug/L										< 1	**1.07**
1,4-Dichlorobenzene	2018-03	ug/L	**0.957 J**	**2.02**	< 1	< 1	< 1	< 1		< 1	< 1	< 1	**1.89**
1,4-Dichlorobenzene	2018-06	ug/L										< 1	**1.42**
1,4-Dichlorobenzene	2018-08	ug/L	< 1	**2.26**	< 1	< 1		< 1		< 1			
1,4-Dichlorobenzene	2018-09	ug/L									< 1	< 1	**1.72**
1,4-Dichlorobenzene	2018-11	ug/L										< 1	**1.37**
1,4-Dichlorobenzene	2019-03	ug/L	**0.775 J**	**1.68**	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
1,4-Dichlorobenzene	2019-04	ug/L											< 1
1,4-Dichlorobenzene	2019-08	ug/L	**0.52 J**	**2.24**	< 1	< 1	< 1	< 1		< 1	< 1	< 1	**1.21**
1,4-Dichlorobenzene	2020-03	ug/L	**0.906 J**	**2.26**	< 1	< 1	< 1	< 1		**0.486 J**	< 1	< 1	**1.88**
1,4-Dichlorobenzene	2020-04	ug/L											
1,4-Dichlorobenzene	2020-08	ug/L	**0.956 J**	**2.49**	< 1	< 1	< 1			**0.438 J**	< 1	< 1	< 1
1,4-Dichlorobenzene	2021-03	ug/L	**0.864 J**		< 1	< 1							< 1
1,4-Dichlorobenzene	2021-08	ug/L	**0.49 J**	**1.08**	< 1	< 1	< 1			< 1	< 1	< 1	**1.58**
1,4-Dichlorobenzene	2022-03	ug/L	**0.503 J**		< 1	< 1							**1.83**
1,4-Dichlorobenzene	2022-08	ug/L	**0.445 J**	**1.34**	< 1	< 1	< 1			< 1	< 1	< 1	**1.2**
1,4-Dichlorobenzene	2023-03	ug/L	**0.676 J**		< 1	< 1							**1.72**
1,4-Dichlorobenzene	2023-08	ug/L	**1.19**	**1.69**	< 1	< 1	< 1			< 1	< 1	< 1	**0.856 J**
1,4-Dichlorobenzene	2024-03	ug/L	**0.892 J**		< 1	< 1							**1.79**
1,4-Dichlorobenzene	2024-08	ug/L	**1.04**	**1.43**	< 1	< 1	< 1			< 1	< 1	< 1	**1.48**
1,4-Dichlorobenzene	2025-03	ug/L	**1.03**		< 1	< 1							**1.72**
1,4-Dichlorobenzene	2025-08	ug/L	< 1	**1.39**	< 1 J	< 1	< 1			< 1	< 1	< 1	**1.49**
1,4-Naphthoquinone	2008-08	ug/L	< 10	< 10	< 10								
1,4-Naphthoquinone	2009-03	ug/L	< 10	< 10	< 10								
1,4-Naphthoquinone	2009-07	ug/L	< 10	< 10	< 10.0								
1,4-Naphthoquinone	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
1,4-Naphthoquinone	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
1,4-Naphthoquinone	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
1,4-Naphthoquinone	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
1,4-Naphthoquinone	2015-06	ug/L											
1,4-Naphthoquinone	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
1,4-Naphthoquinone	2015-10	ug/L				< 10.6							
1,4-Naphthoquinone	2016-03	ug/L			< 10	< 10							
1,4-Naphthoquinone	2016-06	ug/L											
1,4-Naphthoquinone	2016-08	ug/L			< 11.1	< 11.5							
1,4-Naphthoquinone	2018-11	ug/L											
1,4-Naphthoquinone	2019-03	ug/L											
1,4-Naphthoquinone	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
1,4-Naphthoquinone	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
1-Naphthylamine	2008-08	ug/L	< 10	< 10	< 10								
1-Naphthylamine	2009-03	ug/L	< 10	< 10	< 10								
1-Naphthylamine	2009-07	ug/L	< 10	< 10	< 10.0								
1-Naphthylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
1-Naphthylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
1-Naphthylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
1-Naphthylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
1-Naphthylamine	2015-06	ug/L											
1-Naphthylamine	2015-09	ug/L	< 10.9	< 10.5	< 11.2								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1-Naphthylamine	2015-10	ug/L			< 10.3	< 10.5								
1-Naphthylamine	2016-03	ug/L												
1-Naphthylamine	2016-06	ug/L					< 11.4							
1-Naphthylamine	2016-08	ug/L					< 11							
1-Naphthylamine	2018-11	ug/L											< 11.6	
1-Naphthylamine	2019-03	ug/L											< 12.2	
1-Naphthylamine	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
1-Naphthylamine	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2,2-Dichloropropane	2008-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
2,2-Dichloropropane	2009-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
2,2-Dichloropropane	2009-07	ug/L	< 4	< 4	< 4	< 4		< 4	< 4.00	< 4.00	< 4			
2,2-Dichloropropane	2009-09	ug/L	< 4.00	< 4	< 4.00	< 20.0		< 4	< 4	< 4	< 4			
2,2-Dichloropropane	2010-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
2,2-Dichloropropane	2010-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00				< 4.00				
2,2-Dichloropropane	2011-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00				< 4.00				
2,2-Dichloropropane	2012-09	ug/L		< 4.00										
2,2-Dichloropropane	2015-06	ug/L						< 4	< 4					
2,2-Dichloropropane	2015-09	ug/L	< 4	< 4				< 4	< 4	< 4	< 4			
2,2-Dichloropropane	2015-10	ug/L			< 4	< 4								
2,2-Dichloropropane	2016-03	ug/L												
2,2-Dichloropropane	2016-06	ug/L					< 4							
2,2-Dichloropropane	2016-08	ug/L					< 4							
2,2-Dichloropropane	2018-11	ug/L											< 4	
2,2-Dichloropropane	2019-03	ug/L											< 4	
2,2-Dichloropropane	2020-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			
2,2-Dichloropropane	2025-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			
2,2'-oxybis(1-Chloropropane)	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**10.9**	< 10	< 10	< 10	< 10
2,2'-oxybis(1-Chloropropane)	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**8.6 J**	< 10	< 10	< 10	< 10
2,2'-oxybis(1-Chloropropane)	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2,2'-oxybis(1-Chloropropane)	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2,2'-oxybis(1-Chloropropane)	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2,2'-oxybis(1-Chloropropane)	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2,2'-oxybis(1-Chloropropane)	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2,2'-oxybis(1-Chloropropane)	2011-09	ug/L								< 10.0				
2,2'-oxybis(1-Chloropropane)	2012-03	ug/L								< 10.0				
2,2'-oxybis(1-Chloropropane)	2012-09	ug/L								< 10.0				
2,2'-oxybis(1-Chloropropane)	2013-03	ug/L								< 10.9				
2,2'-oxybis(1-Chloropropane)	2013-09	ug/L								< 10.3				
2,2'-oxybis(1-Chloropropane)	2014-03	ug/L								< 10.5				
2,2'-oxybis(1-Chloropropane)	2014-09	ug/L								< 10				
2,2'-oxybis(1-Chloropropane)	2015-03	ug/L								< 10.8				
2,2'-oxybis(1-Chloropropane)	2015-06	ug/L						< 10.5	< 11.1					
2,2'-oxybis(1-Chloropropane)	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
2,2'-oxybis(1-Chloropropane)	2015-10	ug/L			< 10.3	< 10.5								
2,2'-oxybis(1-Chloropropane)	2016-03	ug/L								< 11.1				
2,2'-oxybis(1-Chloropropane)	2016-06	ug/L					< 11.4							
2,2'-oxybis(1-Chloropropane)	2016-08	ug/L					< 11			< 11.2				
2,2'-oxybis(1-Chloropropane)	2017-03	ug/L								< 10.4				
2,2'-oxybis(1-Chloropropane)	2017-08	ug/L								< 10.5 J				
2,2'-oxybis(1-Chloropropane)	2018-03	ug/L								< 11.6				
2,2'-oxybis(1-Chloropropane)	2018-08	ug/L												
2,2'-oxybis(1-Chloropropane)	2018-09	ug/L								< 11				
2,2'-oxybis(1-Chloropropane)	2018-11	ug/L											< 11.6	
2,2'-oxybis(1-Chloropropane)	2019-03	ug/L								< 11.5			< 12.2	
2,2'-oxybis(1-Chloropropane)	2019-08	ug/L								< 50.8				
2,2'-oxybis(1-Chloropropane)	2020-03	ug/L								< 10.9				
2,2'-oxybis(1-Chloropropane)	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2,2'-oxybis(1-Chloropropane)	2021-08	ug/L								< 11.6				
2,2'-oxybis(1-Chloropropane)	2022-08	ug/L								< 10				
2,2'-oxybis(1-Chloropropane)	2023-08	ug/L								< 11.1				
2,2'-oxybis(1-Chloropropane)	2024-08	ug/L								< 9.62				
2,2'-oxybis(1-Chloropropane)	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2,3,4,6-Tetrachlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,3,4,6-Tetrachlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,3,4,6-Tetrachlorophenol	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2,3,4,6-Tetrachlorophenol	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2,3,4,6-Tetrachlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2,3,4,6-Tetrachlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2,3,4,6-Tetrachlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2,3,4,6-Tetrachlorophenol	2015-06	ug/L						< 10.5	< 11.1					
2,3,4,6-Tetrachlorophenol	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
2,3,4,6-Tetrachlorophenol	2015-10	ug/L			< 10.3	< 10.5								
2,3,4,6-Tetrachlorophenol	2016-03	ug/L												
2,3,4,6-Tetrachlorophenol	2016-06	ug/L					< 11.4							
2,3,4,6-Tetrachlorophenol	2016-08	ug/L					< 11							
2,3,4,6-Tetrachlorophenol	2018-11	ug/L											**0.601 J**	
2,3,4,6-Tetrachlorophenol	2019-03	ug/L											< 12.2	
2,3,4,6-Tetrachlorophenol	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2,3,4,6-Tetrachlorophenol	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2,4,5-T	2008-08	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.11	< 0.11	< 0.11	< 0.1	< 0.11		< 0.1	
2,4,5-T	2008-09	ug/L										< 0.11		< 0.1
2,4,5-T	2009-03	ug/L	< 0.22	< 0.22	< 0.2	< 0.21	< 0.22	< 0.22	< 0.2	< 0.2	< 0.2	< 0.22	< 0.21	< 0.2
2,4,5-T	2009-07	ug/L	< 0.21	< 0.21				< 0.21		< 0.21				
2,4,5-T	2009-09	ug/L	< 0.20	< 0.2				< 0.2		< 0.2				
2,4,5-T	2010-03	ug/L	< 0.51	< 0.50				< 0.52		< 0.53				
2,4,5-T	2010-09	ug/L	< 0.51	< 0.53	< 0.51	< 0.52				< 0.53				
2,4,5-T	2011-03	ug/L	< 0.51	< 0.51						< 0.50				

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
1-Naphthylamine	2015-10	ug/L				< 10.6							
1-Naphthylamine	2016-03	ug/L			< 10	< 10							
1-Naphthylamine	2016-06	ug/L											
1-Naphthylamine	2016-08	ug/L			< 11.1	< 11.5							
1-Naphthylamine	2018-11	ug/L											
1-Naphthylamine	2019-03	ug/L											
1-Naphthylamine	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
1-Naphthylamine	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2,2-Dichloropropane	2008-08	ug/L	< 4	< 4	< 4								
2,2-Dichloropropane	2009-03	ug/L	< 4	< 4	< 4								
2,2-Dichloropropane	2009-07	ug/L	< 4	< 4									
2,2-Dichloropropane	2009-09	ug/L	< 4.00	< 4.00	< 4.00								
2,2-Dichloropropane	2010-03	ug/L	< 4.00	< 4.00	< 4.00								
2,2-Dichloropropane	2010-09	ug/L	< 4.00	< 4.00	< 4.00								
2,2-Dichloropropane	2011-03	ug/L	< 4.00	< 4.00	< 4.00								
2,2-Dichloropropane	2012-09	ug/L											
2,2-Dichloropropane	2015-06	ug/L											
2,2-Dichloropropane	2015-09	ug/L	< 4	< 4	< 4								
2,2-Dichloropropane	2015-10	ug/L				< 4							
2,2-Dichloropropane	2016-03	ug/L			< 4	< 4							
2,2-Dichloropropane	2016-06	ug/L											
2,2-Dichloropropane	2016-08	ug/L			< 4	< 4							
2,2-Dichloropropane	2018-11	ug/L											
2,2-Dichloropropane	2019-03	ug/L											
2,2-Dichloropropane	2020-08	ug/L	< 4	< 4	< 4	< 4							
2,2-Dichloropropane	2025-08	ug/L	< 4	< 4	< 4 J	< 4							
2,2'-oxybis(1-Chloropropane)	2008-08	ug/L	**3.16 J**	< 10	< 10								
2,2'-oxybis(1-Chloropropane)	2009-03	ug/L	< 10	< 10	< 10								
2,2'-oxybis(1-Chloropropane)	2009-07	ug/L	< 10	< 10	< 10.0								
2,2'-oxybis(1-Chloropropane)	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2,2'-oxybis(1-Chloropropane)	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2,2'-oxybis(1-Chloropropane)	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2,2'-oxybis(1-Chloropropane)	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2,2'-oxybis(1-Chloropropane)	2011-09	ug/L	< 10.0		< 10.0								
2,2'-oxybis(1-Chloropropane)	2012-03	ug/L	< 10.0		< 10.0								
2,2'-oxybis(1-Chloropropane)	2012-09	ug/L	< 10.0		< 10.0								
2,2'-oxybis(1-Chloropropane)	2013-03	ug/L	< 10.5		< 10.4								
2,2'-oxybis(1-Chloropropane)	2013-09	ug/L	< 10.1										
2,2'-oxybis(1-Chloropropane)	2014-03	ug/L			< 10.2								
2,2'-oxybis(1-Chloropropane)	2014-09	ug/L			< 10								
2,2'-oxybis(1-Chloropropane)	2015-03	ug/L			< 10.6								
2,2'-oxybis(1-Chloropropane)	2015-06	ug/L											
2,2'-oxybis(1-Chloropropane)	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2,2'-oxybis(1-Chloropropane)	2015-10	ug/L				< 10.6							
2,2'-oxybis(1-Chloropropane)	2016-03	ug/L			< 10	< 10							
2,2'-oxybis(1-Chloropropane)	2016-06	ug/L											
2,2'-oxybis(1-Chloropropane)	2016-08	ug/L			< 11.1	< 11.5							
2,2'-oxybis(1-Chloropropane)	2017-03	ug/L			< 10.2	< 11.4							
2,2'-oxybis(1-Chloropropane)	2017-08	ug/L			< 10.6	< 11.1							
2,2'-oxybis(1-Chloropropane)	2018-03	ug/L			< 11.2	< 12							
2,2'-oxybis(1-Chloropropane)	2018-08	ug/L			< 11	< 11.1							
2,2'-oxybis(1-Chloropropane)	2018-09	ug/L											
2,2'-oxybis(1-Chloropropane)	2018-11	ug/L											
2,2'-oxybis(1-Chloropropane)	2019-03	ug/L			< 11.5	< 10.9							
2,2'-oxybis(1-Chloropropane)	2019-08	ug/L			< 10.7	< 10.2							
2,2'-oxybis(1-Chloropropane)	2020-03	ug/L			< 11.1	< 11.6							
2,2'-oxybis(1-Chloropropane)	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2,2'-oxybis(1-Chloropropane)	2021-08	ug/L			< 11.8	< 11							
2,2'-oxybis(1-Chloropropane)	2022-08	ug/L			< 10.2	< 10.4							
2,2'-oxybis(1-Chloropropane)	2023-08	ug/L			< 9.8	< 11.6							
2,2'-oxybis(1-Chloropropane)	2024-08	ug/L			< 10	< 10.4							
2,2'-oxybis(1-Chloropropane)	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2,3,4,6-Tetrachlorophenol	2008-08	ug/L	< 10	< 10	< 10								
2,3,4,6-Tetrachlorophenol	2009-03	ug/L	< 10	< 10	< 10								
2,3,4,6-Tetrachlorophenol	2009-07	ug/L	< 10	< 10	< 10.0								
2,3,4,6-Tetrachlorophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2,3,4,6-Tetrachlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2,3,4,6-Tetrachlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2,3,4,6-Tetrachlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2,3,4,6-Tetrachlorophenol	2015-06	ug/L											
2,3,4,6-Tetrachlorophenol	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2,3,4,6-Tetrachlorophenol	2015-10	ug/L				< 10.6							
2,3,4,6-Tetrachlorophenol	2016-03	ug/L			< 10	< 10							
2,3,4,6-Tetrachlorophenol	2016-06	ug/L											
2,3,4,6-Tetrachlorophenol	2016-08	ug/L			< 11.1	< 11.5							
2,3,4,6-Tetrachlorophenol	2018-11	ug/L											
2,3,4,6-Tetrachlorophenol	2019-03	ug/L											
2,3,4,6-Tetrachlorophenol	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2,3,4,6-Tetrachlorophenol	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2,4,5-T	2008-08	ug/L	< 0.1	< 0.11									
2,4,5-T	2008-09	ug/L			< 0.1								
2,4,5-T	2009-03	ug/L	< 0.22	< 0.2	< 0.2								
2,4,5-T	2009-07	ug/L											
2,4,5-T	2009-09	ug/L			< 0.20								
2,4,5-T	2010-03	ug/L			< 0.50								
2,4,5-T	2010-09	ug/L	< 0.51 UJ	< 0.52	< 0.52								
2,4,5-T	2011-03	ug/L			< 0.56								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4,5-T	2015-06	ug/L						< 1.08	< 1.21					
2,4,5-T	2015-09	ug/L	< 1.18	< 1.28				< 1.21	< 1.17	< 1.27	< 1.25			
2,4,5-T	2015-10	ug/L			< 1.18	< 1.19								
2,4,5-T	2016-03	ug/L												
2,4,5-T	2016-06	ug/L					< 1.17							
2,4,5-T	2016-08	ug/L					< 1.04							
2,4,5-T	2018-11	ug/L											< 1.24	
2,4,5-T	2019-03	ug/L											< 1.15	
2,4,5-T	2019-08	ug/L	< 1.08											
2,4,5-T	2020-08	ug/L	< 0.151	< 0.169	< 0.137	< 0.14	< 0.158	< 0.135	< 0.143	< 0.15	< 0.143			
2,4,5-T	2025-08	ug/L	< 1.04	< 1.14	< 1.25	< 1.11	< 1.05	< 1.07	< 0.974	< 0.986	< 1.08			
2,4,5-TP (Silvex)	2008-08	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.11	< 0.11	< 0.11	< 0.1	< 0.11		< 0.1	
2,4,5-TP (Silvex)	2008-09	ug/L										< 0.11		< 0.1
2,4,5-TP (Silvex)	2009-03	ug/L	**0.27**	**0.17 J**	< 0.2	< 0.21	< 0.22	**0.17 J**	< 0.2	**0.36**	< 0.2	< 0.22	< 0.21	< 0.2
2,4,5-TP (Silvex)	2009-07	ug/L	< 0.21	< 0.21				< 0.21		< 0.21				
2,4,5-TP (Silvex)	2009-09	ug/L	< 0.20	< 0.2				< 0.2		**0.49**				
2,4,5-TP (Silvex)	2010-03	ug/L	< 0.51	< 0.50				< 0.52		< 0.53				
2,4,5-TP (Silvex)	2010-09	ug/L	< 0.51	< 0.53	< 0.51	< 0.52				< 0.53				
2,4,5-TP (Silvex)	2011-03	ug/L	< 0.51	< 0.51						< 0.50				
2,4,5-TP (Silvex)	2011-09	ug/L	< 1.1	< 1.0						< 1.0				
2,4,5-TP (Silvex)	2012-03	ug/L	< 1.0	< 1.0						< 1.0				
2,4,5-TP (Silvex)	2012-09	ug/L	< 1.0	< 1.0						< 1.0				
2,4,5-TP (Silvex)	2013-03	ug/L	< 1.07	< 1.04						< 1.03				
2,4,5-TP (Silvex)	2013-09	ug/L	< 1.12	< 1.09				< 1.05		< 1.11				
2,4,5-TP (Silvex)	2014-03	ug/L	< 1.12							**0.632 J**				
2,4,5-TP (Silvex)	2014-09	ug/L	< 1.04							< 1.05				
2,4,5-TP (Silvex)	2015-03	ug/L	< 1.12							< 1.05				
2,4,5-TP (Silvex)	2015-06	ug/L						< 1.08	< 1.21					
2,4,5-TP (Silvex)	2015-09	ug/L	< 1.18	< 1.28				< 1.21	< 1.17	< 1.27	< 1.25			
2,4,5-TP (Silvex)	2015-10	ug/L			< 1.18	< 1.19								
2,4,5-TP (Silvex)	2016-03	ug/L	< 1.11							< 11				
2,4,5-TP (Silvex)	2016-06	ug/L					< 1.17							
2,4,5-TP (Silvex)	2016-08	ug/L	< 1.19				< 1.04			< 1.17				
2,4,5-TP (Silvex)	2017-03	ug/L	< 1.11							< 1.1				
2,4,5-TP (Silvex)	2017-08	ug/L	< 1.16							< 1.19				
2,4,5-TP (Silvex)	2018-03	ug/L	< 1.27							< 1.11				
2,4,5-TP (Silvex)	2018-08	ug/L	< 1.17											
2,4,5-TP (Silvex)	2018-09	ug/L								< 1.15				
2,4,5-TP (Silvex)	2018-11	ug/L											< 1.24	
2,4,5-TP (Silvex)	2019-03	ug/L	< 1.12							< 1.28			< 1.15	
2,4,5-TP (Silvex)	2019-08	ug/L	< 1.08							< 1.17				
2,4,5-TP (Silvex)	2020-03	ug/L								< 1.11				
2,4,5-TP (Silvex)	2020-04	ug/L	< 1.19											
2,4,5-TP (Silvex)	2020-08	ug/L	< 0.151	< 0.169	< 0.137	< 0.14	< 0.158	< 0.135	< 0.143	< 0.15	< 0.143			
2,4,5-TP (Silvex)	2021-08	ug/L	< 1.2							**0.305 J**				
2,4,5-TP (Silvex)	2022-08	ug/L	< 0.5							< 1.15				
2,4,5-TP (Silvex)	2023-08	ug/L	< 1.02							< 0.994				
2,4,5-TP (Silvex)	2024-08	ug/L	< 1.04							< 1.08				
2,4,5-TP (Silvex)	2025-08	ug/L	< 1.04	< 1.14	< 1.25	< 1.11	< 1.05	< 1.07	< 0.974	< 0.986	< 1.08			
2,4,5-Trichlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,5-Trichlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,5-Trichlorophenol	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2,4,5-Trichlorophenol	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2,4,5-Trichlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2,4,5-Trichlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2,4,5-Trichlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2,4,5-Trichlorophenol	2015-06	ug/L						< 10.5	< 11.1					
2,4,5-Trichlorophenol	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
2,4,5-Trichlorophenol	2015-10	ug/L			< 10.3	< 10.5								
2,4,5-Trichlorophenol	2016-03	ug/L												
2,4,5-Trichlorophenol	2016-06	ug/L					< 11.4							
2,4,5-Trichlorophenol	2016-08	ug/L					< 11							
2,4,5-Trichlorophenol	2018-11	ug/L											< 11.6	
2,4,5-Trichlorophenol	2019-03	ug/L											< 12.2	
2,4,5-Trichlorophenol	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2,4,5-Trichlorophenol	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2,4,6-Trichlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,6-Trichlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4,6-Trichlorophenol	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2,4,6-Trichlorophenol	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2,4,6-Trichlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2,4,6-Trichlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2,4,6-Trichlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2,4,6-Trichlorophenol	2015-06	ug/L						< 10.5	< 11.1					
2,4,6-Trichlorophenol	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
2,4,6-Trichlorophenol	2015-10	ug/L			< 10.3	< 10.5								
2,4,6-Trichlorophenol	2016-03	ug/L												
2,4,6-Trichlorophenol	2016-06	ug/L					< 11.4							
2,4,6-Trichlorophenol	2016-08	ug/L					< 11							
2,4,6-Trichlorophenol	2018-11	ug/L											< 11.6	
2,4,6-Trichlorophenol	2019-03	ug/L											< 12.2	
2,4,6-Trichlorophenol	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2,4,6-Trichlorophenol	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2,4-D	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1.1	< 1.1	< 1.1	< 1	< 1.1		< 1	
2,4-D	2008-09	ug/L										< 1.1		< 1
2,4-D	2009-03	ug/L	< 1.1	< 1.1	< 0.99	< 1.1	< 1.1	< 1.1	< 1	< 1	< 1	< 1.1	< 1.1	< 1
2,4-D	2009-07	ug/L	< 1	< 1.1				< 1		< 1.1				

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
2,4,5-T	2015-06	ug/L											
2,4,5-T	2015-09	ug/L	< 1.2	< 1.11	< 1.11								
2,4,5-T	2015-10	ug/L				< 1.22							
2,4,5-T	2016-03	ug/L			< 1.08	< 1.16							
2,4,5-T	2016-06	ug/L											
2,4,5-T	2016-08	ug/L			< 1.15	< 1.28							
2,4,5-T	2018-11	ug/L											
2,4,5-T	2019-03	ug/L											
2,4,5-T	2019-08	ug/L											
2,4,5-T	2020-08	ug/L	< 0.144	< 0.148	< 0.143	< 0.152							
2,4,5-T	2025-08	ug/L	< 1.03	< 1.01	< 1.05	< 1.03							
2,4,5-TP (Silvex)	2008-08	ug/L	< 0.1	< 0.11									
2,4,5-TP (Silvex)	2008-09	ug/L			< 0.1								
2,4,5-TP (Silvex)	2009-03	ug/L	< 0.22	< 0.2	< 0.2								
2,4,5-TP (Silvex)	2009-07	ug/L											
2,4,5-TP (Silvex)	2009-09	ug/L			< 0.20								
2,4,5-TP (Silvex)	2010-03	ug/L			< 0.50								
2,4,5-TP (Silvex)	2010-09	ug/L	< 0.51 UJ	< 0.52	< 0.52								
2,4,5-TP (Silvex)	2011-03	ug/L			< 0.56								
2,4,5-TP (Silvex)	2011-09	ug/L			< 1.0								
2,4,5-TP (Silvex)	2012-03	ug/L			< 1.0								
2,4,5-TP (Silvex)	2012-09	ug/L											
2,4,5-TP (Silvex)	2013-03	ug/L			< 1.06								
2,4,5-TP (Silvex)	2013-09	ug/L											
2,4,5-TP (Silvex)	2014-03	ug/L			< 1.06								
2,4,5-TP (Silvex)	2014-09	ug/L			< 1.05								
2,4,5-TP (Silvex)	2015-03	ug/L			< 1.11								
2,4,5-TP (Silvex)	2015-06	ug/L											
2,4,5-TP (Silvex)	2015-09	ug/L	< 1.2	< 1.11	< 1.11								
2,4,5-TP (Silvex)	2015-10	ug/L				< 1.22							
2,4,5-TP (Silvex)	2016-03	ug/L			< 1.08	< 1.16							
2,4,5-TP (Silvex)	2016-06	ug/L											
2,4,5-TP (Silvex)	2016-08	ug/L			< 1.15	< 1.28							
2,4,5-TP (Silvex)	2017-03	ug/L			< 1.02	< 1.18							
2,4,5-TP (Silvex)	2017-08	ug/L			< 1.09	< 1.11							
2,4,5-TP (Silvex)	2018-03	ug/L			< 1.13	< 1.17							
2,4,5-TP (Silvex)	2018-08	ug/L			< 1.1	< 1.12							
2,4,5-TP (Silvex)	2018-09	ug/L											
2,4,5-TP (Silvex)	2018-11	ug/L											
2,4,5-TP (Silvex)	2019-03	ug/L			< 1.28	< 1.14							
2,4,5-TP (Silvex)	2019-08	ug/L			< 1.27	< 1.2							
2,4,5-TP (Silvex)	2020-03	ug/L			< 1.2	**2.14 J**							
2,4,5-TP (Silvex)	2020-04	ug/L											
2,4,5-TP (Silvex)	2020-08	ug/L	< 0.144	< 0.148	< 0.143	< 0.152							
2,4,5-TP (Silvex)	2021-08	ug/L			< 1.18	< 1.17							
2,4,5-TP (Silvex)	2022-08	ug/L			< 1.18	< 1.09							
2,4,5-TP (Silvex)	2023-08	ug/L			< 1.04	< 1.07							
2,4,5-TP (Silvex)	2024-08	ug/L			< 1.07	< 1.1							
2,4,5-TP (Silvex)	2025-08	ug/L	< 1.03	< 1.01	< 1.05	< 1.03							
2,4,5-Trichlorophenol	2008-08	ug/L	< 10	< 10	< 10								
2,4,5-Trichlorophenol	2009-03	ug/L	< 10	< 10	< 10								
2,4,5-Trichlorophenol	2009-07	ug/L	< 10	< 10	< 10.0								
2,4,5-Trichlorophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2,4,5-Trichlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2,4,5-Trichlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2,4,5-Trichlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2,4,5-Trichlorophenol	2015-06	ug/L											
2,4,5-Trichlorophenol	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2,4,5-Trichlorophenol	2015-10	ug/L				< 10.6							
2,4,5-Trichlorophenol	2016-03	ug/L			< 10	< 10							
2,4,5-Trichlorophenol	2016-06	ug/L											
2,4,5-Trichlorophenol	2016-08	ug/L			< 11.1	< 11.5							
2,4,5-Trichlorophenol	2018-11	ug/L											
2,4,5-Trichlorophenol	2019-03	ug/L											
2,4,5-Trichlorophenol	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2,4,5-Trichlorophenol	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2,4,6-Trichlorophenol	2008-08	ug/L	< 10	< 10	< 10								
2,4,6-Trichlorophenol	2009-03	ug/L	< 10	< 10	< 10								
2,4,6-Trichlorophenol	2009-07	ug/L	< 10	< 10	< 10.0								
2,4,6-Trichlorophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2,4,6-Trichlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2,4,6-Trichlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2,4,6-Trichlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2,4,6-Trichlorophenol	2015-06	ug/L											
2,4,6-Trichlorophenol	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2,4,6-Trichlorophenol	2015-10	ug/L				< 10.6							
2,4,6-Trichlorophenol	2016-03	ug/L			< 10	< 10							
2,4,6-Trichlorophenol	2016-06	ug/L											
2,4,6-Trichlorophenol	2016-08	ug/L			< 11.1	< 11.5							
2,4,6-Trichlorophenol	2018-11	ug/L											
2,4,6-Trichlorophenol	2019-03	ug/L											
2,4,6-Trichlorophenol	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2,4,6-Trichlorophenol	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2,4-D	2008-08	ug/L	< 1	< 1.1									
2,4-D	2008-09	ug/L			< 1								
2,4-D	2009-03	ug/L	< 1.1	< 0.99	< 1								
2,4-D	2009-07	ug/L											

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-D	2009-09	ug/L	< 1.0	< 1				< 1		< 1				
2,4-D	2010-03	ug/L	< 1.0	< 1.0				< 1.0		< 1.1				
2,4-D	2010-09	ug/L	< 1.0	< 1.1	< 1.0	< 1.0				< 1.1				
2,4-D	2011-03	ug/L	< 1.0	< 1.0						< 1.0				
2,4-D	2015-06	ug/L						< 1.08	< 1.21					
2,4-D	2015-09	ug/L	< 1.18	< 1.28				< 1.21	< 1.17	< 1.27	< 1.25			
2,4-D	2015-10	ug/L			< 1.18	< 1.19								
2,4-D	2016-03	ug/L												
2,4-D	2016-06	ug/L					< 1.17							
2,4-D	2016-08	ug/L					< 1.04							
2,4-D	2018-11	ug/L											< 1.24	
2,4-D	2019-03	ug/L											< 1.15	
2,4-D	2019-08	ug/L	< 1.08											
2,4-D	2020-08	ug/L	< 0.301	< 0.339	< 0.273	< 0.28	< 0.315	< 0.269	< 0.286	< 0.3	< 0.286			
2,4-D	2025-08	ug/L	< 1.04	< 1.14	< 1.25	< 1.11	< 1.05	< 1.07	< 0.974	< 0.986	< 1.08			
2,4-Dichlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dichlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dichlorophenol	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2,4-Dichlorophenol	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2,4-Dichlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2,4-Dichlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2,4-Dichlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2,4-Dichlorophenol	2012-03	ug/L												
2,4-Dichlorophenol	2012-09	ug/L												
2,4-Dichlorophenol	2013-03	ug/L												
2,4-Dichlorophenol	2015-06	ug/L						< 10.5	< 11.1					
2,4-Dichlorophenol	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
2,4-Dichlorophenol	2015-10	ug/L			< 10.3	< 10.5								
2,4-Dichlorophenol	2016-03	ug/L												
2,4-Dichlorophenol	2016-06	ug/L					< 11.4							
2,4-Dichlorophenol	2016-08	ug/L					< 11							
2,4-Dichlorophenol	2018-11	ug/L											< 11.6	
2,4-Dichlorophenol	2019-03	ug/L											< 12.2	
2,4-Dichlorophenol	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2,4-Dichlorophenol	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2,4-Dimethylphenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2,4-Dimethylphenol	2009-09	ug/L	< 10.0	**0.335 J**	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2,4-Dimethylphenol	2010-03	ug/L	< 10.0	**0.284 J**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2,4-Dimethylphenol	2010-09	ug/L	< 10.0	**0.273 J**	< 10.0	< 10.0				< 10.0				
2,4-Dimethylphenol	2011-03	ug/L	< 10.0	**0.337 J**	< 10.0	< 10.0				< 10.0				
2,4-Dimethylphenol	2011-09	ug/L		**0.232 J**										
2,4-Dimethylphenol	2012-03	ug/L		**0.215 J**										
2,4-Dimethylphenol	2012-09	ug/L		**0.277 J**										
2,4-Dimethylphenol	2013-03	ug/L		< 10.2										
2,4-Dimethylphenol	2013-09	ug/L		< 11.0										
2,4-Dimethylphenol	2015-06	ug/L						< 10.5	< 11.1					
2,4-Dimethylphenol	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
2,4-Dimethylphenol	2015-10	ug/L			< 10.3	< 10.5								
2,4-Dimethylphenol	2016-03	ug/L												
2,4-Dimethylphenol	2016-06	ug/L					< 11.4							
2,4-Dimethylphenol	2016-08	ug/L					< 11							
2,4-Dimethylphenol	2018-11	ug/L											< 11.6	
2,4-Dimethylphenol	2019-03	ug/L											< 12.2	
2,4-Dimethylphenol	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2,4-Dimethylphenol	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2,4-Dinitrophenol	2008-08	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrophenol	2009-03	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrophenol	2009-07	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20.0	< 20.0	< 20	< 20	< 20	< 20.0
2,4-Dinitrophenol	2009-09	ug/L	< 20.0	< 20	< 20.0	< 20.0	< 20.0	< 20	< 20	< 20	< 20	< 20	< 20	< 20.0
2,4-Dinitrophenol	2010-03	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0
2,4-Dinitrophenol	2010-09	ug/L	< 20.0	< 20.0	< 20.0	< 20.0				< 20.0				
2,4-Dinitrophenol	2011-03	ug/L	< 20.0	< 20.0	< 20.0	< 20.0				< 20.0				
2,4-Dinitrophenol	2015-06	ug/L						< 21.1	< 22.2					
2,4-Dinitrophenol	2015-09	ug/L	< 22.2	**12.4 J**				< 22.2	< 20.4	< 22.5	< 22.2			
2,4-Dinitrophenol	2015-10	ug/L			< 20.6	< 21.1								
2,4-Dinitrophenol	2016-03	ug/L												
2,4-Dinitrophenol	2016-06	ug/L					< 22.7							
2,4-Dinitrophenol	2016-08	ug/L					< 22							
2,4-Dinitrophenol	2018-11	ug/L											< 23.3	
2,4-Dinitrophenol	2019-03	ug/L											< 24.4	
2,4-Dinitrophenol	2020-08	ug/L	< 23.5	< 24.4	< 21.5	< 21.7	< 22.7	< 22.7	< 22.5	< 23.5	< 23.8			
2,4-Dinitrophenol	2025-08	ug/L	< 20.8	< 21.3	< 22.2	< 21.3	< 20.8	< 20.8	< 20.4	< 18.9	< 22.2			
2,4-Dinitrotoluene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dinitrotoluene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dinitrotoluene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2,4-Dinitrotoluene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2,4-Dinitrotoluene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2,4-Dinitrotoluene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2,4-Dinitrotoluene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2,4-Dinitrotoluene	2015-06	ug/L						< 10.5	< 11.1					
2,4-Dinitrotoluene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
2,4-Dinitrotoluene	2015-10	ug/L			< 10.3	< 10.5								
2,4-Dinitrotoluene	2016-03	ug/L												
2,4-Dinitrotoluene	2016-06	ug/L					< 11.4							
2,4-Dinitrotoluene	2016-08	ug/L					< 11							

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
2,4-D	2009-09	ug/L			< 1.0								
2,4-D	2010-03	ug/L			< 1.0								
2,4-D	2010-09	ug/L	< 1.0 UJ	< 1.0	< 1.0								
2,4-D	2011-03	ug/L			< 1.1								
2,4-D	2015-06	ug/L											
2,4-D	2015-09	ug/L	< 1.2	< 1.11	< 1.11								
2,4-D	2015-10	ug/L				< 1.22							
2,4-D	2016-03	ug/L			< 1.08	< 1.16							
2,4-D	2016-06	ug/L											
2,4-D	2016-08	ug/L			< 1.15	< 1.28							
2,4-D	2018-11	ug/L											
2,4-D	2019-03	ug/L											
2,4-D	2019-08	ug/L											
2,4-D	2020-08	ug/L	< 0.288	< 0.296	< 0.286	< 0.305							
2,4-D	2025-08	ug/L	< 1.03	< 1.01	< 1.05	< 1.03							
2,4-Dichlorophenol	2008-08	ug/L	< 10	< 10	< 10								
2,4-Dichlorophenol	2009-03	ug/L	< 10	< 10	< 10								
2,4-Dichlorophenol	2009-07	ug/L	< 10	< 10	< 10.0								
2,4-Dichlorophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2,4-Dichlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2,4-Dichlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2,4-Dichlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2,4-Dichlorophenol	2012-03	ug/L			< 10.0								
2,4-Dichlorophenol	2012-09	ug/L			< 10.0								
2,4-Dichlorophenol	2013-03	ug/L			< 10.4								
2,4-Dichlorophenol	2015-06	ug/L											
2,4-Dichlorophenol	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2,4-Dichlorophenol	2015-10	ug/L				< 10.6							
2,4-Dichlorophenol	2016-03	ug/L			< 10	< 10							
2,4-Dichlorophenol	2016-06	ug/L											
2,4-Dichlorophenol	2016-08	ug/L			< 11.1	< 11.5							
2,4-Dichlorophenol	2018-11	ug/L											
2,4-Dichlorophenol	2019-03	ug/L											
2,4-Dichlorophenol	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2,4-Dichlorophenol	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2,4-Dimethylphenol	2008-08	ug/L	< 10	< 10	< 10								
2,4-Dimethylphenol	2009-03	ug/L	< 10	< 10	< 10								
2,4-Dimethylphenol	2009-07	ug/L	< 10	< 10	< 10.0								
2,4-Dimethylphenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2,4-Dimethylphenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2,4-Dimethylphenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2,4-Dimethylphenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2,4-Dimethylphenol	2011-09	ug/L			< 10.0								
2,4-Dimethylphenol	2012-03	ug/L			< 10.0								
2,4-Dimethylphenol	2012-09	ug/L			< 10.0								
2,4-Dimethylphenol	2013-03	ug/L			< 10.4								
2,4-Dimethylphenol	2013-09	ug/L											
2,4-Dimethylphenol	2015-06	ug/L											
2,4-Dimethylphenol	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2,4-Dimethylphenol	2015-10	ug/L				< 10.6							
2,4-Dimethylphenol	2016-03	ug/L			< 10	< 10							
2,4-Dimethylphenol	2016-06	ug/L											
2,4-Dimethylphenol	2016-08	ug/L			< 11.1	< 11.5							
2,4-Dimethylphenol	2018-11	ug/L											
2,4-Dimethylphenol	2019-03	ug/L											
2,4-Dimethylphenol	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2,4-Dimethylphenol	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2,4-Dinitrophenol	2008-08	ug/L	< 20	< 20	< 20								
2,4-Dinitrophenol	2009-03	ug/L	< 20	< 20	< 20								
2,4-Dinitrophenol	2009-07	ug/L	< 20	< 20	< 20.0								
2,4-Dinitrophenol	2009-09	ug/L	< 20.0	< 20.0	< 20.0								
2,4-Dinitrophenol	2010-03	ug/L	< 20.0	< 20.0	< 20.0								
2,4-Dinitrophenol	2010-09	ug/L	< 20.0	< 20.0	< 20.0								
2,4-Dinitrophenol	2011-03	ug/L	< 20.0	< 20.0	< 20.0								
2,4-Dinitrophenol	2015-06	ug/L											
2,4-Dinitrophenol	2015-09	ug/L	< 21.7	< 21.1	< 22.5								
2,4-Dinitrophenol	2015-10	ug/L				< 21.3							
2,4-Dinitrophenol	2016-03	ug/L			< 20	< 20							
2,4-Dinitrophenol	2016-06	ug/L											
2,4-Dinitrophenol	2016-08	ug/L			< 22.2	< 23							
2,4-Dinitrophenol	2018-11	ug/L											
2,4-Dinitrophenol	2019-03	ug/L											
2,4-Dinitrophenol	2020-08	ug/L	< 23.5	< 22	< 23.5	< 23.5							
2,4-Dinitrophenol	2025-08	ug/L	< 22.2	< 20	< 20.8	< 19.6							
2,4-Dinitrotoluene	2008-08	ug/L	< 10	< 10	< 10								
2,4-Dinitrotoluene	2009-03	ug/L	< 10	< 10	< 10								
2,4-Dinitrotoluene	2009-07	ug/L	< 10	< 10	< 10.0								
2,4-Dinitrotoluene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2,4-Dinitrotoluene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2,4-Dinitrotoluene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2,4-Dinitrotoluene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2,4-Dinitrotoluene	2015-06	ug/L											
2,4-Dinitrotoluene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2,4-Dinitrotoluene	2015-10	ug/L				< 10.6							
2,4-Dinitrotoluene	2016-03	ug/L			< 10	< 10							
2,4-Dinitrotoluene	2016-06	ug/L											
2,4-Dinitrotoluene	2016-08	ug/L			< 11.1	< 11.5							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-Dinitrotoluene	2018-11	ug/L											< 11.6	
2,4-Dinitrotoluene	2019-03	ug/L											< 12.2	
2,4-Dinitrotoluene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2,4-Dinitrotoluene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2,6-Dichlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-Dichlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-Dichlorophenol	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2,6-Dichlorophenol	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2,6-Dichlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2,6-Dichlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2,6-Dichlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2,6-Dichlorophenol	2015-06	ug/L						< 10.5	< 11.1					
2,6-Dichlorophenol	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
2,6-Dichlorophenol	2015-10	ug/L			< 10.3	< 10.5								
2,6-Dichlorophenol	2016-03	ug/L												
2,6-Dichlorophenol	2016-06	ug/L					< 11.4							
2,6-Dichlorophenol	2016-08	ug/L					< 11							
2,6-Dichlorophenol	2018-11	ug/L											< 11.6	
2,6-Dichlorophenol	2019-03	ug/L											< 12.2	
2,6-Dichlorophenol	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2,6-Dichlorophenol	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2,6-Dinitrotoluene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-Dinitrotoluene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,6-Dinitrotoluene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2,6-Dinitrotoluene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2,6-Dinitrotoluene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2,6-Dinitrotoluene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2,6-Dinitrotoluene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2,6-Dinitrotoluene	2015-06	ug/L						< 10.5	< 11.1					
2,6-Dinitrotoluene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
2,6-Dinitrotoluene	2015-10	ug/L			< 10.3	< 10.5								
2,6-Dinitrotoluene	2016-03	ug/L												
2,6-Dinitrotoluene	2016-06	ug/L					< 11.4							
2,6-Dinitrotoluene	2016-08	ug/L					< 11							
2,6-Dinitrotoluene	2018-11	ug/L											< 11.6	
2,6-Dinitrotoluene	2019-03	ug/L											< 12.2	
2,6-Dinitrotoluene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2,6-Dinitrotoluene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2-Acetylaminofluorene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Acetylaminofluorene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Acetylaminofluorene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2-Acetylaminofluorene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2-Acetylaminofluorene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Acetylaminofluorene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2-Acetylaminofluorene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2-Acetylaminofluorene	2015-06	ug/L						< 10.5	< 11.1					
2-Acetylaminofluorene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
2-Acetylaminofluorene	2015-10	ug/L			< 10.3	< 10.5								
2-Acetylaminofluorene	2016-03	ug/L												
2-Acetylaminofluorene	2016-06	ug/L					< 11.4							
2-Acetylaminofluorene	2016-08	ug/L					< 11							
2-Acetylaminofluorene	2018-11	ug/L											< 11.6	
2-Acetylaminofluorene	2019-03	ug/L											< 12.2	
2-Acetylaminofluorene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2-Acetylaminofluorene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2-Butanone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2009-07	ug/L	< 10	< 10	< 10	< 10		< 10	< 10.0	< 10.0	< 10			
2-Butanone	2009-09	ug/L	< 10.0	< 10	< 10.0	< 50.0		< 10	< 10	< 10	< 10			
2-Butanone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Butanone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Butanone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Butanone	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Butanone	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Butanone	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Butanone	2013-03	ug/L	< 10.0	< 10.0 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10	< 10	< 10
2-Butanone	2013-09	ug/L	< 10.0	< 10.0	< 10.0 J	**2.49 J**	**1.18 J**	**1.11 J**	< 10.0	**4.78 J**	< 10.0	< 10.0	< 10.0	< 10.0
2-Butanone	2013-11	ug/L												
2-Butanone	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Butanone	2014-06	ug/L												
2-Butanone	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2015-03	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	**3.03 J**	< 10	< 10	< 10.0	< 10.0
2-Butanone	2015-06	ug/L						< 10	< 10					
2-Butanone	2015-09	ug/L	< 10	< 10			< 10	< 10	< 10	< 10	< 10	< 10		
2-Butanone	2015-10	ug/L			< 10	< 10							< 10	< 10
2-Butanone	2016-03	ug/L	< 10 J	**4.17 J**	< 10	< 10	< 10	< 10	< 10	**9.64 J**	< 10	< 10	< 10	< 10
2-Butanone	2016-06	ug/L					< 10							
2-Butanone	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**3.85 J**	< 10	< 10	< 10	< 10
2-Butanone	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**5.4 J**	< 10	< 10	< 10	< 10
2-Butanone	2017-11	ug/L												
2-Butanone	2018-03	ug/L	< 10	**3.94 J**	< 10	**4.11 J**	< 10	< 10	< 10	**4.69 J**	< 10	< 10	< 10	< 10
2-Butanone	2018-06	ug/L												
2-Butanone	2018-08	ug/L	< 10	**2.2 J**	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
2-Butanone	2018-09	ug/L							< 10	**2.39 J**				
2-Butanone	2018-11	ug/L											< 10	
2-Butanone	2019-03	ug/L	< 10	**3.37 J**	< 10	< 10	< 10	< 10	< 10	**5.7 J**	< 10	< 10	< 10	< 10

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
2,4-Dinitrotoluene	2018-11	ug/L											
2,4-Dinitrotoluene	2019-03	ug/L											
2,4-Dinitrotoluene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2,4-Dinitrotoluene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2,6-Dichlorophenol	2008-08	ug/L	< 10	< 10	< 10								
2,6-Dichlorophenol	2009-03	ug/L	< 10	< 10	< 10								
2,6-Dichlorophenol	2009-07	ug/L	< 10	< 10	< 10.0								
2,6-Dichlorophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2,6-Dichlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2,6-Dichlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2,6-Dichlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2,6-Dichlorophenol	2015-06	ug/L											
2,6-Dichlorophenol	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2,6-Dichlorophenol	2015-10	ug/L				< 10.6							
2,6-Dichlorophenol	2016-03	ug/L			< 10	< 10							
2,6-Dichlorophenol	2016-06	ug/L											
2,6-Dichlorophenol	2016-08	ug/L			< 11.1	< 11.5							
2,6-Dichlorophenol	2018-11	ug/L											
2,6-Dichlorophenol	2019-03	ug/L											
2,6-Dichlorophenol	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2,6-Dichlorophenol	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2,6-Dinitrotoluene	2008-08	ug/L	< 10	< 10	< 10								
2,6-Dinitrotoluene	2009-03	ug/L	< 10	< 10	< 10								
2,6-Dinitrotoluene	2009-07	ug/L	< 10	< 10	< 10.0								
2,6-Dinitrotoluene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2,6-Dinitrotoluene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2,6-Dinitrotoluene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2,6-Dinitrotoluene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2,6-Dinitrotoluene	2015-06	ug/L											
2,6-Dinitrotoluene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2,6-Dinitrotoluene	2015-10	ug/L				< 10.6							
2,6-Dinitrotoluene	2016-03	ug/L			< 10	< 10							
2,6-Dinitrotoluene	2016-06	ug/L											
2,6-Dinitrotoluene	2016-08	ug/L			< 11.1	< 11.5							
2,6-Dinitrotoluene	2018-11	ug/L											
2,6-Dinitrotoluene	2019-03	ug/L											
2,6-Dinitrotoluene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2,6-Dinitrotoluene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2-Acetylaminofluorene	2008-08	ug/L	< 10	< 10	< 10								
2-Acetylaminofluorene	2009-03	ug/L	< 10	< 10	< 10								
2-Acetylaminofluorene	2009-07	ug/L	< 10	< 10	< 10.0								
2-Acetylaminofluorene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Acetylaminofluorene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Acetylaminofluorene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Acetylaminofluorene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Acetylaminofluorene	2015-06	ug/L											
2-Acetylaminofluorene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2-Acetylaminofluorene	2015-10	ug/L				< 10.6							
2-Acetylaminofluorene	2016-03	ug/L			< 10	< 10							
2-Acetylaminofluorene	2016-06	ug/L											
2-Acetylaminofluorene	2016-08	ug/L			< 11.1	< 11.5							
2-Acetylaminofluorene	2018-11	ug/L											
2-Acetylaminofluorene	2019-03	ug/L											
2-Acetylaminofluorene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2-Acetylaminofluorene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2-Butanone	2008-08	ug/L	< 10	< 10	< 10								
2-Butanone	2009-03	ug/L	< 10	< 10	< 10								
2-Butanone	2009-07	ug/L	< 10	< 10									
2-Butanone	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Butanone	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Butanone	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Butanone	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Butanone	2011-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Butanone	2012-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Butanone	2012-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Butanone	2013-03	ug/L	< 10	< 10	< 10.0								
2-Butanone	2013-09	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Butanone	2013-11	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Butanone	2014-03	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Butanone	2014-06	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Butanone	2014-09	ug/L	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10		
2-Butanone	2015-03	ug/L	< 10.0	< 10.0	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Butanone	2015-06	ug/L											
2-Butanone	2015-09	ug/L	< 10	< 10	< 10								
2-Butanone	2015-10	ug/L				< 10	< 10	< 10		< 10	< 10		
2-Butanone	2016-03	ug/L	**1.32 J**	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
2-Butanone	2016-06	ug/L											
2-Butanone	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
2-Butanone	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
2-Butanone	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
2-Butanone	2017-11	ug/L										< 10	< 10
2-Butanone	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
2-Butanone	2018-06	ug/L										< 10	< 10
2-Butanone	2018-08	ug/L	< 10	< 10	< 10	< 10		< 10		< 10			
2-Butanone	2018-09	ug/L									< 10	< 10	< 10
2-Butanone	2018-11	ug/L										< 10	< 10
2-Butanone	2019-03	ug/L	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone	2019-04	ug/L												
2-Butanone	2019-08	ug/L	< 10	**2.85 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	2020-03	ug/L		< 10		< 10	< 10	< 10	< 10	**10.5**	< 10	< 10	< 10	< 10
2-Butanone	2020-04	ug/L	< 10		< 10									
2-Butanone	2020-08	ug/L	< 10	**3.27 J**	< 10	< 10	< 10	< 10	< 10	**5.38 J**	< 10			< 10
2-Butanone	2021-03	ug/L				< 10								
2-Butanone	2021-08	ug/L	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
2-Butanone	2022-03	ug/L				< 10								
2-Butanone	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
2-Butanone	2023-03	ug/L				< 10								
2-Butanone	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
2-Butanone	2024-03	ug/L				< 10								
2-Butanone	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
2-Butanone	2025-03	ug/L				< 10								
2-Butanone	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
2-Chloronaphthalene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chloronaphthalene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chloronaphthalene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2-Chloronaphthalene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2-Chloronaphthalene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Chloronaphthalene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2-Chloronaphthalene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2-Chloronaphthalene	2015-06	ug/L						< 10.5	< 11.1					
2-Chloronaphthalene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
2-Chloronaphthalene	2015-10	ug/L			< 10.3	< 10.5								
2-Chloronaphthalene	2016-03	ug/L												
2-Chloronaphthalene	2016-06	ug/L					< 11.4							
2-Chloronaphthalene	2016-08	ug/L					< 11							
2-Chloronaphthalene	2018-11	ug/L											< 11.6	
2-Chloronaphthalene	2019-03	ug/L											< 12.2	
2-Chloronaphthalene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2-Chloronaphthalene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2-Chlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorophenol	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2-Chlorophenol	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2-Chlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Chlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2-Chlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2-Chlorophenol	2011-09	ug/L												
2-Chlorophenol	2012-03	ug/L												
2-Chlorophenol	2012-09	ug/L												
2-Chlorophenol	2013-03	ug/L												
2-Chlorophenol	2013-09	ug/L												
2-Chlorophenol	2015-06	ug/L						< 10.5	< 11.1					
2-Chlorophenol	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
2-Chlorophenol	2015-10	ug/L			< 10.3	< 10.5								
2-Chlorophenol	2016-03	ug/L												
2-Chlorophenol	2016-06	ug/L					< 11.4							
2-Chlorophenol	2016-08	ug/L					< 11							
2-Chlorophenol	2018-11	ug/L											< 11.6	
2-Chlorophenol	2019-03	ug/L											< 12.2	
2-Chlorophenol	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2-Chlorophenol	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2-Hexanone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2009-07	ug/L	< 10	< 10	< 10	< 10		< 10	< 10.0	< 10.0	< 10			
2-Hexanone	2009-09	ug/L	< 10.0	< 10	< 10.0	< 50.0		< 10	< 10	< 10	< 10			
2-Hexanone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	2013-03	ug/L	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10	< 10	< 10
2-Hexanone	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	2013-11	ug/L												
2-Hexanone	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	2014-06	ug/L												
2-Hexanone	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2015-03	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0
2-Hexanone	2015-06	ug/L						< 10	< 10					
2-Hexanone	2015-09	ug/L	< 10	< 10			< 10	< 10	< 10	< 10	< 10	< 10		
2-Hexanone	2015-10	ug/L			< 10	< 10							< 10	< 10
2-Hexanone	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2016-06	ug/L					< 10							
2-Hexanone	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2017-11	ug/L												
2-Hexanone	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2018-06	ug/L												
2-Hexanone	2018-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
2-Hexanone	2018-09	ug/L							< 10	< 10				
2-Hexanone	2018-11	ug/L											< 10	
2-Hexanone	2019-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2019-04	ug/L												

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**
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Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
2-Butanone	2019-04	ug/L											< 10
2-Butanone	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
2-Butanone	2020-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
2-Butanone	2020-04	ug/L											
2-Butanone	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
2-Butanone	2021-03	ug/L	< 10		< 10	< 10							< 10
2-Butanone	2021-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
2-Butanone	2022-03	ug/L	< 10		< 10	< 10							< 10
2-Butanone	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
2-Butanone	2023-03	ug/L	< 10		< 10	< 10							< 10
2-Butanone	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
2-Butanone	2024-03	ug/L	< 10		< 10	< 10							< 10
2-Butanone	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
2-Butanone	2025-03	ug/L	< 10		< 10	< 10							< 10
2-Butanone	2025-08	ug/L	< 10	< 10	< 10 J	< 10	< 10			< 10	< 10	< 10	< 10
2-Chloronaphthalene	2008-08	ug/L	< 10	< 10	< 10								
2-Chloronaphthalene	2009-03	ug/L	< 10	< 10	< 10								
2-Chloronaphthalene	2009-07	ug/L	< 10	< 10	< 10.0								
2-Chloronaphthalene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Chloronaphthalene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Chloronaphthalene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Chloronaphthalene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Chloronaphthalene	2015-06	ug/L											
2-Chloronaphthalene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2-Chloronaphthalene	2015-10	ug/L				< 10.6							
2-Chloronaphthalene	2016-03	ug/L			< 10	< 10							
2-Chloronaphthalene	2016-06	ug/L											
2-Chloronaphthalene	2016-08	ug/L			< 11.1	< 11.5							
2-Chloronaphthalene	2018-11	ug/L											
2-Chloronaphthalene	2019-03	ug/L											
2-Chloronaphthalene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2-Chloronaphthalene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2-Chlorophenol	2008-08	ug/L	< 10	< 10	< 10								
2-Chlorophenol	2009-03	ug/L	< 10	< 10	< 10								
2-Chlorophenol	2009-07	ug/L	< 10	< 10	< 10.0								
2-Chlorophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Chlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Chlorophenol	2010-09	ug/L	< 10.0	**0.160 J**	< 10.0								
2-Chlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Chlorophenol	2011-09	ug/L		**0.200 J**	< 10.0								
2-Chlorophenol	2012-03	ug/L		< 10.0	< 10.0								
2-Chlorophenol	2012-09	ug/L		< 10.0	< 10.0								
2-Chlorophenol	2013-03	ug/L		< 21.5	< 10.4								
2-Chlorophenol	2013-09	ug/L		< 10.9									
2-Chlorophenol	2015-06	ug/L											
2-Chlorophenol	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2-Chlorophenol	2015-10	ug/L				< 10.6							
2-Chlorophenol	2016-03	ug/L			< 10	< 10							
2-Chlorophenol	2016-06	ug/L											
2-Chlorophenol	2016-08	ug/L			< 11.1	< 11.5							
2-Chlorophenol	2018-11	ug/L											
2-Chlorophenol	2019-03	ug/L											
2-Chlorophenol	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2-Chlorophenol	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2-Hexanone	2008-08	ug/L	< 10	< 10	< 10								
2-Hexanone	2009-03	ug/L	< 10	< 10	< 10								
2-Hexanone	2009-07	ug/L	< 10	< 10									
2-Hexanone	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Hexanone	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Hexanone	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Hexanone	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Hexanone	2011-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Hexanone	2012-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Hexanone	2012-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Hexanone	2013-03	ug/L	< 10	< 10	< 10.0								
2-Hexanone	2013-09	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Hexanone	2013-11	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Hexanone	2014-03	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Hexanone	2014-06	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Hexanone	2014-09	ug/L	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10		
2-Hexanone	2015-03	ug/L	< 10.0	< 10.0	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
2-Hexanone	2015-06	ug/L											
2-Hexanone	2015-09	ug/L	< 10	< 10	< 10								
2-Hexanone	2015-10	ug/L				< 10	< 10	< 10		< 10	< 10		
2-Hexanone	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
2-Hexanone	2016-06	ug/L											
2-Hexanone	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
2-Hexanone	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
2-Hexanone	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
2-Hexanone	2017-11	ug/L										< 10	< 10
2-Hexanone	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
2-Hexanone	2018-06	ug/L										< 10	< 10
2-Hexanone	2018-08	ug/L	< 10	< 10	< 10	< 10		< 10		< 10			
2-Hexanone	2018-09	ug/L									< 10	< 10	< 10
2-Hexanone	2018-11	ug/L										< 10	< 10
2-Hexanone	2019-03	ug/L	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	
2-Hexanone	2019-04	ug/L											< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

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Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Hexanone	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2020-03	ug/L		< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	2020-04	ug/L	< 10		< 10									
2-Hexanone	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
2-Hexanone	2021-03	ug/L				< 10								
2-Hexanone	2021-08	ug/L	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
2-Hexanone	2022-03	ug/L				< 10								
2-Hexanone	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
2-Hexanone	2023-03	ug/L				< 10								
2-Hexanone	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
2-Hexanone	2024-03	ug/L				< 10								
2-Hexanone	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
2-Hexanone	2025-03	ug/L				< 10								
2-Hexanone	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
2-Methylnaphthalene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Methylnaphthalene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Methylnaphthalene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2-Methylnaphthalene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2-Methylnaphthalene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Methylnaphthalene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2-Methylnaphthalene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2-Methylnaphthalene	2012-03	ug/L												
2-Methylnaphthalene	2012-09	ug/L												
2-Methylnaphthalene	2013-03	ug/L												
2-Methylnaphthalene	2015-06	ug/L						< 10.5	< 11.1					
2-Methylnaphthalene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
2-Methylnaphthalene	2015-10	ug/L			< 10.3	< 10.5								
2-Methylnaphthalene	2016-03	ug/L												
2-Methylnaphthalene	2016-06	ug/L					< 11.4							
2-Methylnaphthalene	2016-08	ug/L					< 11							
2-Methylnaphthalene	2018-11	ug/L											< 11.6	
2-Methylnaphthalene	2019-03	ug/L											< 12.2	
2-Methylnaphthalene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2-Methylnaphthalene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2-Methylphenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Methylphenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Methylphenol	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2-Methylphenol	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2-Methylphenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Methylphenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2-Methylphenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2-Methylphenol	2015-06	ug/L						< 10.5	< 11.1					
2-Methylphenol	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
2-Methylphenol	2015-10	ug/L			< 10.3	< 10.5								
2-Methylphenol	2016-03	ug/L												
2-Methylphenol	2016-06	ug/L					< 11.4							
2-Methylphenol	2016-08	ug/L					< 11							
2-Methylphenol	2018-11	ug/L											< 11.6	
2-Methylphenol	2019-03	ug/L											< 12.2	
2-Methylphenol	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2-Methylphenol	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2-Naphthylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Naphthylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Naphthylamine	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2-Naphthylamine	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2-Naphthylamine	2010-03	ug/L	< 10.0	**1.68 J**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Naphthylamine	2010-09	ug/L	< 10.0	**0.662 J**	< 10.0	< 10.0				< 10.0				
2-Naphthylamine	2011-03	ug/L	< 10.0	**1.32 J**	< 10.0	< 10.0				< 10.0				
2-Naphthylamine	2011-09	ug/L		**1.35 J**										
2-Naphthylamine	2012-03	ug/L		**0.800 J**										
2-Naphthylamine	2012-09	ug/L		< 10.0										
2-Naphthylamine	2013-03	ug/L		**0.342 J**										
2-Naphthylamine	2013-09	ug/L		**0.931 J**										
2-Naphthylamine	2015-06	ug/L						< 10.5	< 11.1					
2-Naphthylamine	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
2-Naphthylamine	2015-10	ug/L			< 10.3	< 10.5								
2-Naphthylamine	2016-03	ug/L												
2-Naphthylamine	2016-06	ug/L					< 11.4							
2-Naphthylamine	2016-08	ug/L					< 11							
2-Naphthylamine	2018-11	ug/L											< 11.6	
2-Naphthylamine	2019-03	ug/L											< 12.2	
2-Naphthylamine	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2-Naphthylamine	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2-Nitroaniline	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Nitroaniline	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Nitroaniline	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
2-Nitroaniline	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2-Nitroaniline	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Nitroaniline	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2-Nitroaniline	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2-Nitroaniline	2015-06	ug/L						< 10.5	< 11.1					
2-Nitroaniline	2015-09	ug/L	< 11.1	**1.42 J**				< 11.1	< 10.2	< 11.2	< 11.1			
2-Nitroaniline	2015-10	ug/L			< 10.3	< 10.5								
2-Nitroaniline	2016-03	ug/L												
2-Nitroaniline	2016-06	ug/L					< 11.4							
2-Nitroaniline	2016-08	ug/L					< 11							
2-Nitroaniline	2018-11	ug/L											< 11.6	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
2-Hexanone	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
2-Hexanone	2020-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
2-Hexanone	2020-04	ug/L											
2-Hexanone	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
2-Hexanone	2021-03	ug/L	< 10		< 10	< 10							< 10
2-Hexanone	2021-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
2-Hexanone	2022-03	ug/L	< 10		< 10	< 10							< 10
2-Hexanone	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
2-Hexanone	2023-03	ug/L	< 10		< 10	< 10							< 10
2-Hexanone	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
2-Hexanone	2024-03	ug/L	< 10		< 10	< 10							< 10
2-Hexanone	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
2-Hexanone	2025-03	ug/L	< 10		< 10	< 10							< 10
2-Hexanone	2025-08	ug/L	< 10	< 10	< 10 J	< 10	< 10			< 10	< 10	< 10	< 10
2-Methylnaphthalene	2008-08	ug/L	< 10	< 10	< 10								
2-Methylnaphthalene	2009-03	ug/L	< 10	< 10	< 10								
2-Methylnaphthalene	2009-07	ug/L	< 10	< 10	< 10.0								
2-Methylnaphthalene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Methylnaphthalene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Methylnaphthalene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Methylnaphthalene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Methylnaphthalene	2012-03	ug/L			< 10.0								
2-Methylnaphthalene	2012-09	ug/L			< 10.0								
2-Methylnaphthalene	2013-03	ug/L			< 10.4								
2-Methylnaphthalene	2015-06	ug/L											
2-Methylnaphthalene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2-Methylnaphthalene	2015-10	ug/L				< 10.6							
2-Methylnaphthalene	2016-03	ug/L			< 10	< 10							
2-Methylnaphthalene	2016-06	ug/L											
2-Methylnaphthalene	2016-08	ug/L			< 11.1	< 11.5							
2-Methylnaphthalene	2018-11	ug/L											
2-Methylnaphthalene	2019-03	ug/L											
2-Methylnaphthalene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2-Methylnaphthalene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2-Methylphenol	2008-08	ug/L	< 10	< 10	< 10								
2-Methylphenol	2009-03	ug/L	< 10	< 10	< 10								
2-Methylphenol	2009-07	ug/L	< 10	< 10	< 10.0								
2-Methylphenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Methylphenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Methylphenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Methylphenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Methylphenol	2015-06	ug/L											
2-Methylphenol	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2-Methylphenol	2015-10	ug/L				< 10.6							
2-Methylphenol	2016-03	ug/L			< 10	< 10							
2-Methylphenol	2016-06	ug/L											
2-Methylphenol	2016-08	ug/L			< 11.1	< 11.5							
2-Methylphenol	2018-11	ug/L											
2-Methylphenol	2019-03	ug/L											
2-Methylphenol	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2-Methylphenol	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2-Naphthylamine	2008-08	ug/L	< 10	< 10	< 10								
2-Naphthylamine	2009-03	ug/L	< 10	< 10	< 10								
2-Naphthylamine	2009-07	ug/L	< 10	< 10	< 10.0								
2-Naphthylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Naphthylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Naphthylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Naphthylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Naphthylamine	2011-09	ug/L			< 10.0								
2-Naphthylamine	2012-03	ug/L			< 10.0								
2-Naphthylamine	2012-09	ug/L			< 10.0								
2-Naphthylamine	2013-03	ug/L			< 10.4								
2-Naphthylamine	2013-09	ug/L											
2-Naphthylamine	2015-06	ug/L											
2-Naphthylamine	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2-Naphthylamine	2015-10	ug/L				< 10.6							
2-Naphthylamine	2016-03	ug/L			< 10	< 10							
2-Naphthylamine	2016-06	ug/L											
2-Naphthylamine	2016-08	ug/L			< 11.1	< 11.5							
2-Naphthylamine	2018-11	ug/L											
2-Naphthylamine	2019-03	ug/L											
2-Naphthylamine	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2-Naphthylamine	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2-Nitroaniline	2008-08	ug/L	< 10	< 10	< 10								
2-Nitroaniline	2009-03	ug/L	< 10	< 10	< 10								
2-Nitroaniline	2009-07	ug/L	< 10	< 10	< 10.0								
2-Nitroaniline	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Nitroaniline	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Nitroaniline	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Nitroaniline	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Nitroaniline	2015-06	ug/L											
2-Nitroaniline	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2-Nitroaniline	2015-10	ug/L				< 10.6							
2-Nitroaniline	2016-03	ug/L			< 10	< 10							
2-Nitroaniline	2016-06	ug/L											
2-Nitroaniline	2016-08	ug/L			< 11.1	< 11.5							
2-Nitroaniline	2018-11	ug/L											

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Nitroaniline	2019-03	ug/L											< 12.2	
2-Nitroaniline	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2-Nitroaniline	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
2-Nitrophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Nitrophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Nitrophenol	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	**0.267 J**	< 10	< 10	< 10	< 10.0
2-Nitrophenol	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
2-Nitrophenol	2010-03	ug/L	< 10.0	**0.374 J**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Nitrophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2-Nitrophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
2-Nitrophenol	2011-09	ug/L		< 10.0						< 10.0				
2-Nitrophenol	2012-03	ug/L		< 10.0						< 10.0				
2-Nitrophenol	2012-09	ug/L		< 10.0						< 10.0				
2-Nitrophenol	2013-03	ug/L		**0.574 J**						< 10.9				
2-Nitrophenol	2013-09	ug/L		**1.85 J**						< 10.3				
2-Nitrophenol	2015-06	ug/L						< 10.5	< 11.1					
2-Nitrophenol	2015-09	ug/L	< 11.1	**2.67 J**				< 11.1	< 10.2	< 11.2	< 11.1			
2-Nitrophenol	2015-10	ug/L			< 10.3	< 10.5								
2-Nitrophenol	2016-03	ug/L												
2-Nitrophenol	2016-06	ug/L					< 11.4							
2-Nitrophenol	2016-08	ug/L					< 11							
2-Nitrophenol	2018-11	ug/L											< 11.6	
2-Nitrophenol	2019-03	ug/L											< 12.2	
2-Nitrophenol	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
2-Nitrophenol	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
3,3-Dichlorobenzidine	2008-08	ug/L	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85
3,3-Dichlorobenzidine	2009-03	ug/L	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85	< 85
3,3-Dichlorobenzidine	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
3,3-Dichlorobenzidine	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
3,3-Dichlorobenzidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
3,3-Dichlorobenzidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
3,3-Dichlorobenzidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
3,3-Dichlorobenzidine	2015-06	ug/L						< 52.6	< 55.6					
3,3-Dichlorobenzidine	2015-09	ug/L	< 55.6	< 56.2				< 55.6	< 51	< 56.2	< 55.6			
3,3-Dichlorobenzidine	2015-10	ug/L			< 51.5	< 52.6								
3,3-Dichlorobenzidine	2016-03	ug/L												
3,3-Dichlorobenzidine	2016-06	ug/L					< 56.8							
3,3-Dichlorobenzidine	2016-08	ug/L					< 54.9							
3,3-Dichlorobenzidine	2018-11	ug/L											< 11.6	
3,3-Dichlorobenzidine	2019-03	ug/L											< 12.2	
3,3-Dichlorobenzidine	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
3,3-Dichlorobenzidine	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
3,3-Dimethylbenzidine	2008-08	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3,3-Dimethylbenzidine	2009-03	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3,3-Dimethylbenzidine	2009-07	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20.0	< 20.0	< 20	< 20	< 20	< 20.0
3,3-Dimethylbenzidine	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
3,3-Dimethylbenzidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
3,3-Dimethylbenzidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
3,3-Dimethylbenzidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
3,3-Dimethylbenzidine	2015-06	ug/L						< 10.5	< 11.1					
3,3-Dimethylbenzidine	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
3,3-Dimethylbenzidine	2015-10	ug/L			< 10.3	< 10.5								
3,3-Dimethylbenzidine	2016-03	ug/L												
3,3-Dimethylbenzidine	2016-06	ug/L					< 11.4							
3,3-Dimethylbenzidine	2016-08	ug/L					< 11							
3,3-Dimethylbenzidine	2018-11	ug/L											< 11.6	
3,3-Dimethylbenzidine	2019-03	ug/L											< 12.2	
3,3-Dimethylbenzidine	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
3,3-Dimethylbenzidine	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
3-Methylcholanthrene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
3-Methylcholanthrene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
3-Methylcholanthrene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
3-Methylcholanthrene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
3-Methylcholanthrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
3-Methylcholanthrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
3-Methylcholanthrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
3-Methylcholanthrene	2015-06	ug/L						< 10.5	< 11.1					
3-Methylcholanthrene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
3-Methylcholanthrene	2015-10	ug/L			< 10.3	< 10.5								
3-Methylcholanthrene	2016-03	ug/L												
3-Methylcholanthrene	2016-06	ug/L					< 11.4							
3-Methylcholanthrene	2016-08	ug/L					< 11							
3-Methylcholanthrene	2018-11	ug/L											< 11.6	
3-Methylcholanthrene	2019-03	ug/L											< 12.2	
3-Methylcholanthrene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
3-Methylcholanthrene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
3-Nitroaniline	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
3-Nitroaniline	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
3-Nitroaniline	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
3-Nitroaniline	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
3-Nitroaniline	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	**0.391 J**	< 10.0	< 10.0	< 10.0	< 10.0
3-Nitroaniline	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
3-Nitroaniline	2011-03	ug/L	< 10.0	**0.960 J**	< 10.0	< 10.0				< 10.0				
3-Nitroaniline	2011-09	ug/L		< 10.0						< 10.0				
3-Nitroaniline	2012-03	ug/L		< 10.0						< 10.0				
3-Nitroaniline	2012-09	ug/L		< 10.0						< 10.0				
3-Nitroaniline	2013-03	ug/L		< 10.2						< 10.9				

Table 14

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Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
2-Nitroaniline	2019-03	ug/L											
2-Nitroaniline	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2-Nitroaniline	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
2-Nitrophenol	2008-08	ug/L	< 10	< 10	< 10								
2-Nitrophenol	2009-03	ug/L	< 10	< 10	< 10								
2-Nitrophenol	2009-07	ug/L	< 10	< 10	< 10.0								
2-Nitrophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Nitrophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Nitrophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
2-Nitrophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
2-Nitrophenol	2011-09	ug/L			< 10.0								
2-Nitrophenol	2012-03	ug/L			< 10.0								
2-Nitrophenol	2012-09	ug/L			< 10.0								
2-Nitrophenol	2013-03	ug/L			< 10.4								
2-Nitrophenol	2013-09	ug/L											
2-Nitrophenol	2015-06	ug/L											
2-Nitrophenol	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
2-Nitrophenol	2015-10	ug/L				< 10.6							
2-Nitrophenol	2016-03	ug/L			< 10	< 10							
2-Nitrophenol	2016-06	ug/L											
2-Nitrophenol	2016-08	ug/L			< 11.1	< 11.5							
2-Nitrophenol	2018-11	ug/L											
2-Nitrophenol	2019-03	ug/L											
2-Nitrophenol	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
2-Nitrophenol	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
3,3-Dichlorobenzidine	2008-08	ug/L	< 85	< 85	< 85								
3,3-Dichlorobenzidine	2009-03	ug/L	< 85	< 85	< 85								
3,3-Dichlorobenzidine	2009-07	ug/L	< 10	< 10	< 10.0								
3,3-Dichlorobenzidine	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
3,3-Dichlorobenzidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
3,3-Dichlorobenzidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
3,3-Dichlorobenzidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
3,3-Dichlorobenzidine	2015-06	ug/L											
3,3-Dichlorobenzidine	2015-09	ug/L	< 54.3	< 52.6	< 56.2								
3,3-Dichlorobenzidine	2015-10	ug/L				< 53.2							
3,3-Dichlorobenzidine	2016-03	ug/L			< 50	< 50							
3,3-Dichlorobenzidine	2016-06	ug/L											
3,3-Dichlorobenzidine	2016-08	ug/L			< 55.6	< 57.5							
3,3-Dichlorobenzidine	2018-11	ug/L											
3,3-Dichlorobenzidine	2019-03	ug/L											
3,3-Dichlorobenzidine	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
3,3-Dichlorobenzidine	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
3,3-Dimethylbenzidine	2008-08	ug/L	< 20	< 20	< 20								
3,3-Dimethylbenzidine	2009-03	ug/L	< 20	< 20	< 20								
3,3-Dimethylbenzidine	2009-07	ug/L	< 20	< 20	< 20.0								
3,3-Dimethylbenzidine	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
3,3-Dimethylbenzidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
3,3-Dimethylbenzidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
3,3-Dimethylbenzidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
3,3-Dimethylbenzidine	2015-06	ug/L											
3,3-Dimethylbenzidine	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
3,3-Dimethylbenzidine	2015-10	ug/L				< 10.6							
3,3-Dimethylbenzidine	2016-03	ug/L			< 10	< 10							
3,3-Dimethylbenzidine	2016-06	ug/L											
3,3-Dimethylbenzidine	2016-08	ug/L			< 11.1	< 11.5							
3,3-Dimethylbenzidine	2018-11	ug/L											
3,3-Dimethylbenzidine	2019-03	ug/L											
3,3-Dimethylbenzidine	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
3,3-Dimethylbenzidine	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
3-Methylcholanthrene	2008-08	ug/L	< 10	< 10	< 10								
3-Methylcholanthrene	2009-03	ug/L	< 10	< 10	< 10								
3-Methylcholanthrene	2009-07	ug/L	< 10	< 10	< 10.0								
3-Methylcholanthrene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
3-Methylcholanthrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
3-Methylcholanthrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
3-Methylcholanthrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
3-Methylcholanthrene	2015-06	ug/L											
3-Methylcholanthrene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
3-Methylcholanthrene	2015-10	ug/L				< 10.6							
3-Methylcholanthrene	2016-03	ug/L			< 10	< 10							
3-Methylcholanthrene	2016-06	ug/L											
3-Methylcholanthrene	2016-08	ug/L			< 11.1	< 11.5							
3-Methylcholanthrene	2018-11	ug/L											
3-Methylcholanthrene	2019-03	ug/L											
3-Methylcholanthrene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
3-Methylcholanthrene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
3-Nitroaniline	2008-08	ug/L	< 10	< 10	< 10								
3-Nitroaniline	2009-03	ug/L	< 10	< 10	< 10								
3-Nitroaniline	2009-07	ug/L	< 10	< 10	< 10.0								
3-Nitroaniline	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
3-Nitroaniline	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
3-Nitroaniline	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
3-Nitroaniline	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
3-Nitroaniline	2011-09	ug/L			< 10.0								
3-Nitroaniline	2012-03	ug/L			< 10.0								
3-Nitroaniline	2012-09	ug/L			< 10.0								
3-Nitroaniline	2013-03	ug/L			< 10.4								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
3-Nitroaniline	2013-09	ug/L		< 11.0						< 10.3				
3-Nitroaniline	2015-06	ug/L						< 10.5	< 11.1					
3-Nitroaniline	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
3-Nitroaniline	2015-10	ug/L			< 10.3	< 10.5								
3-Nitroaniline	2016-03	ug/L												
3-Nitroaniline	2016-06	ug/L					< 11.4							
3-Nitroaniline	2016-08	ug/L					< 11							
3-Nitroaniline	2018-11	ug/L											< 11.6	
3-Nitroaniline	2019-03	ug/L											< 12.2	
3-Nitroaniline	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
3-Nitroaniline	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
4,4'-DDD	2008-08	ug/L	< 0.054	< 0.053	< 0.047	< 0.047	< 0.052	< 0.053	< 0.054	< 0.056	< 0.053		< 0.053	
4,4'-DDD	2008-09	ug/L										< 0.016		< 0.016
4,4'-DDD	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
4,4'-DDD	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
4,4'-DDD	2015-06	ug/L						< 0.0348	< 0.032					
4,4'-DDD	2015-09	ug/L	< 0.0356	< 0.0356				< 0.036	< 0.0327	< 0.0356	< 0.0352			
4,4'-DDD	2015-10	ug/L			< 0.0372	< 0.0364								
4,4'-DDD	2016-03	ug/L												
4,4'-DDD	2016-06	ug/L					< 0.0364							
4,4'-DDD	2016-08	ug/L					< 0.0337							
4,4'-DDD	2018-11	ug/L											< 0.036	
4,4'-DDD	2019-03	ug/L											< 0.0372	
4,4'-DDD	2020-08	ug/L	< 0.0376	**0.00385 J**	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.039	< 0.0376	< 0.039			
4,4'-DDD	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	< 0.0941	< 0.097	< 0.0897	< 0.0951			
4,4'-DDE	2008-08	ug/L	< 0.054	< 0.053	< 0.047	< 0.047	< 0.052	< 0.053	< 0.054	< 0.056	< 0.053		< 0.053	
4,4'-DDE	2008-09	ug/L										< 0.016		< 0.016
4,4'-DDE	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
4,4'-DDE	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
4,4'-DDE	2015-06	ug/L						< 0.0348	< 0.032					
4,4'-DDE	2015-09	ug/L	< 0.0356	< 0.0356				< 0.036	< 0.0327	< 0.0356	< 0.0352			
4,4'-DDE	2015-10	ug/L			< 0.0372	< 0.0364								
4,4'-DDE	2016-03	ug/L												
4,4'-DDE	2016-06	ug/L					< 0.0364							
4,4'-DDE	2016-08	ug/L					< 0.0337							
4,4'-DDE	2018-11	ug/L											< 0.036	
4,4'-DDE	2019-03	ug/L											< 0.0372	
4,4'-DDE	2020-08	ug/L	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.039	< 0.0376	< 0.039			
4,4'-DDE	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	< 0.0941	< 0.097	< 0.0897	< 0.0951			
4,4'-DDT	2008-08	ug/L	< 0.054	< 0.053	< 0.047	< 0.047	< 0.052	< 0.053	< 0.054	< 0.056	< 0.053		< 0.053	
4,4'-DDT	2008-09	ug/L										< 0.016		< 0.016
4,4'-DDT	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
4,4'-DDT	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
4,4'-DDT	2013-03	ug/L												
4,4'-DDT	2014-03	ug/L												
4,4'-DDT	2014-09	ug/L												
4,4'-DDT	2015-03	ug/L												
4,4'-DDT	2015-06	ug/L						< 0.0348	< 0.032					
4,4'-DDT	2015-09	ug/L	**0.00782 J**	< 0.0356				< 0.036	< 0.0327	< 0.0356	< 0.0352			
4,4'-DDT	2015-10	ug/L			< 0.0372	< 0.0364								
4,4'-DDT	2016-03	ug/L												
4,4'-DDT	2016-06	ug/L					< 0.0364							
4,4'-DDT	2016-08	ug/L					< 0.0337							
4,4'-DDT	2017-03	ug/L												
4,4'-DDT	2017-08	ug/L												
4,4'-DDT	2018-11	ug/L											< 0.036	
4,4'-DDT	2019-03	ug/L											< 0.0372	
4,4'-DDT	2020-08	ug/L	**0.0104 J**	< 0.039	< 0.0376	**0.00473 J**	< 0.0376	**0.00561 J**	< 0.039	< 0.0376	< 0.039			
4,4'-DDT	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	< 0.0941	< 0.097	< 0.0897	< 0.0951			
4,6-Dinitro-2-methylphenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4,6-Dinitro-2-methylphenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4,6-Dinitro-2-methylphenol	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
4,6-Dinitro-2-methylphenol	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
4,6-Dinitro-2-methylphenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4,6-Dinitro-2-methylphenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
4,6-Dinitro-2-methylphenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
4,6-Dinitro-2-methylphenol	2015-06	ug/L						< 10.5	< 11.1					
4,6-Dinitro-2-methylphenol	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
4,6-Dinitro-2-methylphenol	2015-10	ug/L			< 10.3	< 10.5								
4,6-Dinitro-2-methylphenol	2016-03	ug/L												
4,6-Dinitro-2-methylphenol	2016-06	ug/L					< 11.4							
4,6-Dinitro-2-methylphenol	2016-08	ug/L					< 11							
4,6-Dinitro-2-methylphenol	2018-11	ug/L											< 11.6	
4,6-Dinitro-2-methylphenol	2019-03	ug/L											< 12.2	
4,6-Dinitro-2-methylphenol	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
4,6-Dinitro-2-methylphenol	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
4-Aminobiphenyl	2008-08	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Aminobiphenyl	2009-03	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Aminobiphenyl	2009-07	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20.0	< 20.0	< 20	< 20	< 20	< 20.0
4-Aminobiphenyl	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
4-Aminobiphenyl	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Aminobiphenyl	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
4-Aminobiphenyl	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
4-Aminobiphenyl	2015-06	ug/L						< 10.5	< 11.1					
4-Aminobiphenyl	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
4-Aminobiphenyl	2015-10	ug/L			< 10.3	< 10.5								
4-Aminobiphenyl	2016-03	ug/L												

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
3-Nitroaniline	2013-09	ug/L											
3-Nitroaniline	2015-06	ug/L											
3-Nitroaniline	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
3-Nitroaniline	2015-10	ug/L				< 10.6							
3-Nitroaniline	2016-03	ug/L			< 10	< 10							
3-Nitroaniline	2016-06	ug/L											
3-Nitroaniline	2016-08	ug/L			< 11.1	< 11.5							
3-Nitroaniline	2018-11	ug/L											
3-Nitroaniline	2019-03	ug/L											
3-Nitroaniline	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
3-Nitroaniline	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
4,4'-DDD	2008-08	ug/L	< 0.047	< 0.053									
4,4'-DDD	2008-09	ug/L			< 0.016								
4,4'-DDD	2009-03	ug/L	< 0.032	< 0.032	< 0.032								
4,4'-DDD	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
4,4'-DDD	2015-06	ug/L											
4,4'-DDD	2015-09	ug/L	< 0.0344	< 0.0352	< 0.0352								
4,4'-DDD	2015-10	ug/L				**0.00206 J**							
4,4'-DDD	2016-03	ug/L			< 0.034	< 0.0356							
4,4'-DDD	2016-06	ug/L											
4,4'-DDD	2016-08	ug/L			< 0.0356	< 0.0327							
4,4'-DDD	2018-11	ug/L											
4,4'-DDD	2019-03	ug/L											
4,4'-DDD	2020-08	ug/L	< 0.0376	< 0.039	< 0.039	< 0.0376							
4,4'-DDD	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
4,4'-DDE	2008-08	ug/L	< 0.047	< 0.053									
4,4'-DDE	2008-09	ug/L			< 0.016								
4,4'-DDE	2009-03	ug/L	< 0.032	< 0.032	< 0.032								
4,4'-DDE	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
4,4'-DDE	2015-06	ug/L											
4,4'-DDE	2015-09	ug/L	< 0.0344	< 0.0352	< 0.0352								
4,4'-DDE	2015-10	ug/L				< 0.0364							
4,4'-DDE	2016-03	ug/L			< 0.034	< 0.0356 J							
4,4'-DDE	2016-06	ug/L											
4,4'-DDE	2016-08	ug/L			< 0.0356	< 0.0327							
4,4'-DDE	2018-11	ug/L											
4,4'-DDE	2019-03	ug/L											
4,4'-DDE	2020-08	ug/L	< 0.0376	< 0.039	< 0.039	< 0.0376							
4,4'-DDE	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
4,4'-DDT	2008-08	ug/L	< 0.047	< 0.053									
4,4'-DDT	2008-09	ug/L			< 0.016								
4,4'-DDT	2009-03	ug/L	< 0.032	< 0.032	< 0.032								
4,4'-DDT	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
4,4'-DDT	2013-03	ug/L			< 0.0344								
4,4'-DDT	2014-03	ug/L			< 0.0330								
4,4'-DDT	2014-09	ug/L			< 0.032								
4,4'-DDT	2015-03	ug/L			< 0.0337								
4,4'-DDT	2015-06	ug/L											
4,4'-DDT	2015-09	ug/L	< 0.0344	< 0.0352	< 0.0352								
4,4'-DDT	2015-10	ug/L				< 0.0364							
4,4'-DDT	2016-03	ug/L			< 0.034	< 0.0356							
4,4'-DDT	2016-06	ug/L											
4,4'-DDT	2016-08	ug/L			< 0.0356	< 0.0327							
4,4'-DDT	2017-03	ug/L			< 0.0337	< 0.0356							
4,4'-DDT	2017-08	ug/L			< 0.0337	< 0.0344							
4,4'-DDT	2018-11	ug/L											
4,4'-DDT	2019-03	ug/L											
4,4'-DDT	2020-08	ug/L	< 0.0376	**0.00479 J**	< 0.039	< 0.0376							
4,4'-DDT	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
4,6-Dinitro-2-methylphenol	2008-08	ug/L	< 10	< 10	< 10								
4,6-Dinitro-2-methylphenol	2009-03	ug/L	< 10	< 10	< 10								
4,6-Dinitro-2-methylphenol	2009-07	ug/L	< 10	< 10	< 10.0								
4,6-Dinitro-2-methylphenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
4,6-Dinitro-2-methylphenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
4,6-Dinitro-2-methylphenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
4,6-Dinitro-2-methylphenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
4,6-Dinitro-2-methylphenol	2015-06	ug/L											
4,6-Dinitro-2-methylphenol	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
4,6-Dinitro-2-methylphenol	2015-10	ug/L				< 10.6							
4,6-Dinitro-2-methylphenol	2016-03	ug/L			< 10	< 10							
4,6-Dinitro-2-methylphenol	2016-06	ug/L											
4,6-Dinitro-2-methylphenol	2016-08	ug/L			< 11.1	< 11.5							
4,6-Dinitro-2-methylphenol	2018-11	ug/L											
4,6-Dinitro-2-methylphenol	2019-03	ug/L											
4,6-Dinitro-2-methylphenol	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
4,6-Dinitro-2-methylphenol	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
4-Aminobiphenyl	2008-08	ug/L	< 20	< 20	< 20								
4-Aminobiphenyl	2009-03	ug/L	< 20	< 20	< 20								
4-Aminobiphenyl	2009-07	ug/L	< 20	< 20	< 20.0								
4-Aminobiphenyl	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Aminobiphenyl	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Aminobiphenyl	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Aminobiphenyl	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Aminobiphenyl	2015-06	ug/L											
4-Aminobiphenyl	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
4-Aminobiphenyl	2015-10	ug/L				< 10.6							
4-Aminobiphenyl	2016-03	ug/L			< 10	< 10							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Aminobiphenyl	2016-06	ug/L					< 11.4							
4-Aminobiphenyl	2016-08	ug/L					< 11							
4-Aminobiphenyl	2018-11	ug/L											< 11.6	
4-Aminobiphenyl	2019-03	ug/L											< 12.2	
4-Aminobiphenyl	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
4-Aminobiphenyl	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
4-Bromophenyl Phenyl Ether	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Bromophenyl Phenyl Ether	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Bromophenyl Phenyl Ether	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
4-Bromophenyl Phenyl Ether	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
4-Bromophenyl Phenyl Ether	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Bromophenyl Phenyl Ether	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
4-Bromophenyl Phenyl Ether	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
4-Bromophenyl Phenyl Ether	2015-06	ug/L						< 10.5	< 11.1					
4-Bromophenyl Phenyl Ether	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
4-Bromophenyl Phenyl Ether	2015-10	ug/L			< 10.3	< 10.5								
4-Bromophenyl Phenyl Ether	2016-03	ug/L												
4-Bromophenyl Phenyl Ether	2016-06	ug/L					< 11.4							
4-Bromophenyl Phenyl Ether	2016-08	ug/L					< 11							
4-Bromophenyl Phenyl Ether	2018-11	ug/L											< 11.6	
4-Bromophenyl Phenyl Ether	2019-03	ug/L											< 12.2	
4-Bromophenyl Phenyl Ether	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
4-Bromophenyl Phenyl Ether	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
4-Chloro-3-methylphenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chloro-3-methylphenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chloro-3-methylphenol	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
4-Chloro-3-methylphenol	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
4-Chloro-3-methylphenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Chloro-3-methylphenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
4-Chloro-3-methylphenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
4-Chloro-3-methylphenol	2015-06	ug/L						< 10.5	< 11.1					
4-Chloro-3-methylphenol	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
4-Chloro-3-methylphenol	2015-10	ug/L			< 10.3	< 10.5								
4-Chloro-3-methylphenol	2016-03	ug/L												
4-Chloro-3-methylphenol	2016-06	ug/L					< 11.4							
4-Chloro-3-methylphenol	2016-08	ug/L					< 11							
4-Chloro-3-methylphenol	2018-11	ug/L											< 11.6	
4-Chloro-3-methylphenol	2019-03	ug/L											< 12.2	
4-Chloro-3-methylphenol	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
4-Chloro-3-methylphenol	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
4-Chloroaniline	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chloroaniline	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chloroaniline	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
4-Chloroaniline	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
4-Chloroaniline	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Chloroaniline	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
4-Chloroaniline	2011-03	ug/L	< 10.0	**0.172 J**	< 10.0	< 10.0				< 10.0				
4-Chloroaniline	2011-09	ug/L		< 10.0										
4-Chloroaniline	2012-03	ug/L		**0.142 J**										
4-Chloroaniline	2012-09	ug/L		< 10.0										
4-Chloroaniline	2013-03	ug/L		< 10.2										
4-Chloroaniline	2013-09	ug/L		< 11.0										
4-Chloroaniline	2015-06	ug/L						< 10.5	< 11.1					
4-Chloroaniline	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
4-Chloroaniline	2015-10	ug/L			< 10.3	< 10.5								
4-Chloroaniline	2016-03	ug/L												
4-Chloroaniline	2016-06	ug/L					< 11.4							
4-Chloroaniline	2016-08	ug/L					< 11							
4-Chloroaniline	2018-11	ug/L											< 11.6	
4-Chloroaniline	2019-03	ug/L											< 12.2	
4-Chloroaniline	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
4-Chloroaniline	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
4-Chlorophenyl Phenyl Ether	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorophenyl Phenyl Ether	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorophenyl Phenyl Ether	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
4-Chlorophenyl Phenyl Ether	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
4-Chlorophenyl Phenyl Ether	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorophenyl Phenyl Ether	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
4-Chlorophenyl Phenyl Ether	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
4-Chlorophenyl Phenyl Ether	2015-06	ug/L						< 10.5	< 11.1					
4-Chlorophenyl Phenyl Ether	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
4-Chlorophenyl Phenyl Ether	2015-10	ug/L			< 10.3	< 10.5								
4-Chlorophenyl Phenyl Ether	2016-03	ug/L												
4-Chlorophenyl Phenyl Ether	2016-06	ug/L					< 11.4							
4-Chlorophenyl Phenyl Ether	2016-08	ug/L					< 11							
4-Chlorophenyl Phenyl Ether	2018-11	ug/L											< 11.6	
4-Chlorophenyl Phenyl Ether	2019-03	ug/L											< 12.2	
4-Chlorophenyl Phenyl Ether	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
4-Chlorophenyl Phenyl Ether	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
4-Methyl-2-pentanone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2009-07	ug/L	< 10	< 10	< 10	< 10		< 10	< 10.0	< 10.0	< 10			
4-Methyl-2-pentanone	2009-09	ug/L	< 10.0	< 10	< 10.0	< 50.0		< 10	< 10	< 10	< 10			
4-Methyl-2-pentanone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
4-Aminobiphenyl	2016-06	ug/L											
4-Aminobiphenyl	2016-08	ug/L			< 11.1	< 11.5							
4-Aminobiphenyl	2018-11	ug/L											
4-Aminobiphenyl	2019-03	ug/L											
4-Aminobiphenyl	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
4-Aminobiphenyl	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
4-Bromophenyl Phenyl Ether	2008-08	ug/L	< 10	< 10	< 10								
4-Bromophenyl Phenyl Ether	2009-03	ug/L	< 10	< 10	< 10								
4-Bromophenyl Phenyl Ether	2009-07	ug/L	< 10	< 10	< 10.0								
4-Bromophenyl Phenyl Ether	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Bromophenyl Phenyl Ether	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Bromophenyl Phenyl Ether	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Bromophenyl Phenyl Ether	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Bromophenyl Phenyl Ether	2015-06	ug/L											
4-Bromophenyl Phenyl Ether	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
4-Bromophenyl Phenyl Ether	2015-10	ug/L				< 10.6							
4-Bromophenyl Phenyl Ether	2016-03	ug/L			< 10	< 10							
4-Bromophenyl Phenyl Ether	2016-06	ug/L											
4-Bromophenyl Phenyl Ether	2016-08	ug/L			< 11.1	< 11.5							
4-Bromophenyl Phenyl Ether	2018-11	ug/L											
4-Bromophenyl Phenyl Ether	2019-03	ug/L											
4-Bromophenyl Phenyl Ether	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
4-Bromophenyl Phenyl Ether	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
4-Chloro-3-methylphenol	2008-08	ug/L	< 10	< 10	< 10								
4-Chloro-3-methylphenol	2009-03	ug/L	< 10	< 10	< 10								
4-Chloro-3-methylphenol	2009-07	ug/L	< 10	< 10	< 10.0								
4-Chloro-3-methylphenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Chloro-3-methylphenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Chloro-3-methylphenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Chloro-3-methylphenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Chloro-3-methylphenol	2015-06	ug/L											
4-Chloro-3-methylphenol	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
4-Chloro-3-methylphenol	2015-10	ug/L				< 10.6							
4-Chloro-3-methylphenol	2016-03	ug/L			< 10	< 10							
4-Chloro-3-methylphenol	2016-06	ug/L											
4-Chloro-3-methylphenol	2016-08	ug/L			< 11.1	< 11.5							
4-Chloro-3-methylphenol	2018-11	ug/L											
4-Chloro-3-methylphenol	2019-03	ug/L											
4-Chloro-3-methylphenol	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
4-Chloro-3-methylphenol	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
4-Chloroaniline	2008-08	ug/L	< 10	< 10	< 10								
4-Chloroaniline	2009-03	ug/L	< 10	< 10	< 10								
4-Chloroaniline	2009-07	ug/L	< 10	< 10	< 10.0								
4-Chloroaniline	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Chloroaniline	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Chloroaniline	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Chloroaniline	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Chloroaniline	2011-09	ug/L			< 10.0								
4-Chloroaniline	2012-03	ug/L			< 10.0								
4-Chloroaniline	2012-09	ug/L			< 10.0								
4-Chloroaniline	2013-03	ug/L			< 10.4								
4-Chloroaniline	2013-09	ug/L											
4-Chloroaniline	2015-06	ug/L											
4-Chloroaniline	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
4-Chloroaniline	2015-10	ug/L				< 10.6							
4-Chloroaniline	2016-03	ug/L			< 10	< 10							
4-Chloroaniline	2016-06	ug/L											
4-Chloroaniline	2016-08	ug/L			< 11.1	< 11.5							
4-Chloroaniline	2018-11	ug/L											
4-Chloroaniline	2019-03	ug/L											
4-Chloroaniline	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
4-Chloroaniline	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
4-Chlorophenyl Phenyl Ether	2008-08	ug/L	< 10	< 10	< 10								
4-Chlorophenyl Phenyl Ether	2009-03	ug/L	< 10	< 10	< 10								
4-Chlorophenyl Phenyl Ether	2009-07	ug/L	< 10	< 10	< 10.0								
4-Chlorophenyl Phenyl Ether	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Chlorophenyl Phenyl Ether	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Chlorophenyl Phenyl Ether	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Chlorophenyl Phenyl Ether	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Chlorophenyl Phenyl Ether	2015-06	ug/L											
4-Chlorophenyl Phenyl Ether	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
4-Chlorophenyl Phenyl Ether	2015-10	ug/L				< 10.6							
4-Chlorophenyl Phenyl Ether	2016-03	ug/L			< 10	< 10							
4-Chlorophenyl Phenyl Ether	2016-06	ug/L											
4-Chlorophenyl Phenyl Ether	2016-08	ug/L			< 11.1	< 11.5							
4-Chlorophenyl Phenyl Ether	2018-11	ug/L											
4-Chlorophenyl Phenyl Ether	2019-03	ug/L											
4-Chlorophenyl Phenyl Ether	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
4-Chlorophenyl Phenyl Ether	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
4-Methyl-2-pentanone	2008-08	ug/L	< 10	< 10	< 10								
4-Methyl-2-pentanone	2009-03	ug/L	< 10	< 10	< 10								
4-Methyl-2-pentanone	2009-07	ug/L	< 10	< 10									
4-Methyl-2-pentanone	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Methyl-2-pentanone	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Methyl-2-pentanone	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Methyl-2-pentanone	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Methyl-2-pentanone	2011-09	ug/L	< 10.0	< 10.0	< 10.0								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-pentanone	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	2013-03	ug/L	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10	< 10	< 10
4-Methyl-2-pentanone	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	2013-11	ug/L												
4-Methyl-2-pentanone	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Methyl-2-pentanone	2014-06	ug/L												
4-Methyl-2-pentanone	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2015-03	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0
4-Methyl-2-pentanone	2015-06	ug/L						< 10	< 10					
4-Methyl-2-pentanone	2015-09	ug/L	< 10	< 10			< 10	< 10	< 10	< 10	< 10	< 10		
4-Methyl-2-pentanone	2015-10	ug/L			< 10	< 10							< 10	< 10
4-Methyl-2-pentanone	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2016-06	ug/L					< 10							
4-Methyl-2-pentanone	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2017-11	ug/L												
4-Methyl-2-pentanone	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2018-06	ug/L												
4-Methyl-2-pentanone	2018-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2018-09	ug/L							< 10	< 10				
4-Methyl-2-pentanone	2018-11	ug/L											< 10	
4-Methyl-2-pentanone	2019-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2019-04	ug/L												
4-Methyl-2-pentanone	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2020-03	ug/L		< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2020-04	ug/L	< 10		< 10									
4-Methyl-2-pentanone	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
4-Methyl-2-pentanone	2021-03	ug/L				< 10								
4-Methyl-2-pentanone	2021-08	ug/L	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
4-Methyl-2-pentanone	2022-03	ug/L				< 10								
4-Methyl-2-pentanone	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
4-Methyl-2-pentanone	2023-03	ug/L				< 10								
4-Methyl-2-pentanone	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
4-Methyl-2-pentanone	2024-03	ug/L				< 10								
4-Methyl-2-pentanone	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
4-Methyl-2-pentanone	2025-03	ug/L				< 10								
4-Methyl-2-pentanone	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
4-Nitroaniline	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Nitroaniline	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Nitroaniline	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
4-Nitroaniline	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
4-Nitroaniline	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Nitroaniline	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
4-Nitroaniline	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
4-Nitroaniline	2015-06	ug/L						< 10.5	< 11.1					
4-Nitroaniline	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
4-Nitroaniline	2015-10	ug/L			< 10.3	< 10.5								
4-Nitroaniline	2016-03	ug/L												
4-Nitroaniline	2016-06	ug/L					< 11.4							
4-Nitroaniline	2016-08	ug/L					< 11							
4-Nitroaniline	2018-11	ug/L											< 11.6	
4-Nitroaniline	2019-03	ug/L											< 12.2	
4-Nitroaniline	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
4-Nitroaniline	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
4-Nitrophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Nitrophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Nitrophenol	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
4-Nitrophenol	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
4-Nitrophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Nitrophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
4-Nitrophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				**0.159 J**				
4-Nitrophenol	2011-09	ug/L								< 10.0				
4-Nitrophenol	2012-03	ug/L								< 10.0				
4-Nitrophenol	2012-09	ug/L								< 10.0				
4-Nitrophenol	2013-03	ug/L								< 10.9				
4-Nitrophenol	2013-09	ug/L								< 10.3				
4-Nitrophenol	2015-06	ug/L						< 10.5	< 11.1					
4-Nitrophenol	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
4-Nitrophenol	2015-10	ug/L			< 10.3	< 10.5								
4-Nitrophenol	2016-03	ug/L												
4-Nitrophenol	2016-06	ug/L					< 11.4							
4-Nitrophenol	2016-08	ug/L					< 11							
4-Nitrophenol	2018-11	ug/L											< 11.6	
4-Nitrophenol	2019-03	ug/L											< 12.2	
4-Nitrophenol	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
4-Nitrophenol	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
5-Nitro-o-toluidine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
5-Nitro-o-toluidine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
5-Nitro-o-toluidine	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
5-Nitro-o-toluidine	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
5-Nitro-o-toluidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
5-Nitro-o-toluidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
5-Nitro-o-toluidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
5-Nitro-o-toluidine	2015-06	ug/L						< 10.5	< 11.1					
5-Nitro-o-toluidine	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
4-Methyl-2-pentanone	2012-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Methyl-2-pentanone	2012-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Methyl-2-pentanone	2013-03	ug/L	< 10	< 10	< 10.0								
4-Methyl-2-pentanone	2013-09	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
4-Methyl-2-pentanone	2013-11	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
4-Methyl-2-pentanone	2014-03	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
4-Methyl-2-pentanone	2014-06	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
4-Methyl-2-pentanone	2014-09	ug/L	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10		
4-Methyl-2-pentanone	2015-03	ug/L	< 10.0	< 10.0	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
4-Methyl-2-pentanone	2015-06	ug/L											
4-Methyl-2-pentanone	2015-09	ug/L	< 10	< 10	< 10								
4-Methyl-2-pentanone	2015-10	ug/L				< 10	< 10	< 10		< 10	< 10		
4-Methyl-2-pentanone	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
4-Methyl-2-pentanone	2016-06	ug/L											
4-Methyl-2-pentanone	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
4-Methyl-2-pentanone	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
4-Methyl-2-pentanone	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
4-Methyl-2-pentanone	2017-11	ug/L										< 10	< 10
4-Methyl-2-pentanone	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2018-06	ug/L										< 10	< 10
4-Methyl-2-pentanone	2018-08	ug/L	< 10	< 10	< 10	< 10		< 10		< 10			
4-Methyl-2-pentanone	2018-09	ug/L									< 10	< 10	< 10
4-Methyl-2-pentanone	2018-11	ug/L										< 10	< 10
4-Methyl-2-pentanone	2019-03	ug/L	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	
4-Methyl-2-pentanone	2019-04	ug/L											< 10
4-Methyl-2-pentanone	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2020-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2020-04	ug/L											
4-Methyl-2-pentanone	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2021-03	ug/L	< 10		< 10	< 10							< 10
4-Methyl-2-pentanone	2021-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2022-03	ug/L	< 10		< 10	< 10							< 10
4-Methyl-2-pentanone	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2023-03	ug/L	< 10		< 10	< 10							< 10
4-Methyl-2-pentanone	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2024-03	ug/L	< 10		< 10	< 10							< 10
4-Methyl-2-pentanone	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
4-Methyl-2-pentanone	2025-03	ug/L	< 10		< 10	< 10							< 10
4-Methyl-2-pentanone	2025-08	ug/L	< 10	< 10	< 10 J	< 10	< 10			< 10	< 10	< 10	< 10
4-Nitroaniline	2008-08	ug/L	< 10	< 10	< 10								
4-Nitroaniline	2009-03	ug/L	< 10	< 10	< 10								
4-Nitroaniline	2009-07	ug/L	< 10	< 10	< 10.0								
4-Nitroaniline	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Nitroaniline	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Nitroaniline	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Nitroaniline	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Nitroaniline	2015-06	ug/L											
4-Nitroaniline	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
4-Nitroaniline	2015-10	ug/L				< 10.6							
4-Nitroaniline	2016-03	ug/L			< 10	< 10							
4-Nitroaniline	2016-06	ug/L											
4-Nitroaniline	2016-08	ug/L			< 11.1	< 11.5							
4-Nitroaniline	2018-11	ug/L											
4-Nitroaniline	2019-03	ug/L											
4-Nitroaniline	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
4-Nitroaniline	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
4-Nitrophenol	2008-08	ug/L	< 10	< 10	< 10								
4-Nitrophenol	2009-03	ug/L	< 10	< 10	< 10								
4-Nitrophenol	2009-07	ug/L	< 10	< 10	< 10.0								
4-Nitrophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Nitrophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Nitrophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
4-Nitrophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
4-Nitrophenol	2011-09	ug/L			< 10.0								
4-Nitrophenol	2012-03	ug/L			< 10.0								
4-Nitrophenol	2012-09	ug/L			< 10.0								
4-Nitrophenol	2013-03	ug/L			< 10.4								
4-Nitrophenol	2013-09	ug/L											
4-Nitrophenol	2015-06	ug/L											
4-Nitrophenol	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
4-Nitrophenol	2015-10	ug/L				< 10.6							
4-Nitrophenol	2016-03	ug/L			< 10	< 10							
4-Nitrophenol	2016-06	ug/L											
4-Nitrophenol	2016-08	ug/L			< 11.1	< 11.5							
4-Nitrophenol	2018-11	ug/L											
4-Nitrophenol	2019-03	ug/L											
4-Nitrophenol	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
4-Nitrophenol	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
5-Nitro-o-toluidine	2008-08	ug/L	< 10	< 10	< 10								
5-Nitro-o-toluidine	2009-03	ug/L	< 10	< 10	< 10								
5-Nitro-o-toluidine	2009-07	ug/L	< 10	< 10	< 10.0								
5-Nitro-o-toluidine	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
5-Nitro-o-toluidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
5-Nitro-o-toluidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
5-Nitro-o-toluidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
5-Nitro-o-toluidine	2015-06	ug/L											
5-Nitro-o-toluidine	2015-09	ug/L	< 10.9	< 10.5	< 11.2								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
5-Nitro-o-toluidine	2015-10	ug/L			< 10.3	< 10.5								
5-Nitro-o-toluidine	2016-03	ug/L												
5-Nitro-o-toluidine	2016-06	ug/L					< 11.4							
5-Nitro-o-toluidine	2016-08	ug/L					< 11							
5-Nitro-o-toluidine	2018-11	ug/L											< 11.6	
5-Nitro-o-toluidine	2019-03	ug/L											< 12.2	
5-Nitro-o-toluidine	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
5-Nitro-o-toluidine	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
7,12-Dimethylbenz(a)anthracene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
7,12-Dimethylbenz(a)anthracene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
7,12-Dimethylbenz(a)anthracene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
7,12-Dimethylbenz(a)anthracene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
7,12-Dimethylbenz(a)anthracene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
7,12-Dimethylbenz(a)anthracene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
7,12-Dimethylbenz(a)anthracene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
7,12-Dimethylbenz(a)anthracene	2015-06	ug/L						< 10.5	< 11.1					
7,12-Dimethylbenz(a)anthracene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
7,12-Dimethylbenz(a)anthracene	2015-10	ug/L			< 10.3	< 10.5								
7,12-Dimethylbenz(a)anthracene	2016-03	ug/L												
7,12-Dimethylbenz(a)anthracene	2016-06	ug/L					< 11.4							
7,12-Dimethylbenz(a)anthracene	2016-08	ug/L					< 11							
7,12-Dimethylbenz(a)anthracene	2018-11	ug/L											< 11.6	
7,12-Dimethylbenz(a)anthracene	2019-03	ug/L											< 12.2	
7,12-Dimethylbenz(a)anthracene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
7,12-Dimethylbenz(a)anthracene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Acenaphthene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acenaphthene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acenaphthene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Acenaphthene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Acenaphthene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acenaphthene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Acenaphthene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Acenaphthene	2015-06	ug/L						< 10.5	< 11.1					
Acenaphthene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Acenaphthene	2015-10	ug/L			< 10.3	< 10.5								
Acenaphthene	2016-03	ug/L												
Acenaphthene	2016-06	ug/L					< 11.4							
Acenaphthene	2016-08	ug/L					< 11							
Acenaphthene	2018-11	ug/L											< 11.6	
Acenaphthene	2019-03	ug/L											< 12.2	
Acenaphthene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Acenaphthene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Acenaphthylene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acenaphthylene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acenaphthylene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Acenaphthylene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Acenaphthylene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acenaphthylene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Acenaphthylene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Acenaphthylene	2015-06	ug/L						< 10.5	< 11.1					
Acenaphthylene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Acenaphthylene	2015-10	ug/L			< 10.3	< 10.5								
Acenaphthylene	2016-03	ug/L												
Acenaphthylene	2016-06	ug/L					< 11.4							
Acenaphthylene	2016-08	ug/L					< 11							
Acenaphthylene	2018-11	ug/L											< 11.6	
Acenaphthylene	2019-03	ug/L											< 12.2	
Acenaphthylene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Acenaphthylene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Acetone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	2009-07	ug/L	< 10	< 10	< 10	< 10		< 10	< 10.0	< 10.0	< 10			
Acetone	2009-09	ug/L	< 10.0	< 10	< 10.0	< 50.0		< 10	< 10	< 10	< 10			
Acetone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetone	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetone	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetone	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetone	2013-03	ug/L	< 10.0	**2.21 J**	< 10	**3.07 J**	< 10	< 10	< 10	< 10	< 10.0	< 10	< 10	< 10
Acetone	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetone	2013-11	ug/L												
Acetone	2014-03	ug/L	< 10.0 J	**37.1**	**3.23 J**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0 J	< 10.0	< 10.0	< 10.0	< 10.0
Acetone	2014-06	ug/L												
Acetone	2014-09	ug/L	< 10	< 10	< 10	< 10 J	< 10	< 10 J	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	2015-03	ug/L	< 10.0	< 10 J	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0 J	< 10	< 10	< 10.0	< 10.0
Acetone	2015-06	ug/L						< 10	< 10					
Acetone	2015-09	ug/L	< 10	< 10			< 10	< 10	< 10	< 10	< 10	< 10		
Acetone	2015-10	ug/L			< 10	**5.99 J**							< 10	< 10
Acetone	2016-03	ug/L	< 10	**4.76 J**	< 10 J	< 10	< 10	< 10 J	< 10	< 10 J	< 10	< 10	< 10	< 10
Acetone	2016-06	ug/L					< 10							
Acetone	2016-08	ug/L	< 10	< 10	< 10	**3.57 J**	< 10	< 10	< 10	**3.44 J**	< 10	< 10	< 10	< 10
Acetone	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**4.29 J**	< 10	< 10	< 10	< 10
Acetone	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	2017-11	ug/L												
Acetone	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	2018-06	ug/L												

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
5-Nitro-o-toluidine	2015-10	ug/L				< 10.6							
5-Nitro-o-toluidine	2016-03	ug/L			< 10	< 10							
5-Nitro-o-toluidine	2016-06	ug/L											
5-Nitro-o-toluidine	2016-08	ug/L			< 11.1	< 11.5							
5-Nitro-o-toluidine	2018-11	ug/L											
5-Nitro-o-toluidine	2019-03	ug/L											
5-Nitro-o-toluidine	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
5-Nitro-o-toluidine	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
7,12-Dimethylbenz(a)anthracene	2008-08	ug/L	< 10	< 10	< 10								
7,12-Dimethylbenz(a)anthracene	2009-03	ug/L	< 10	< 10	< 10								
7,12-Dimethylbenz(a)anthracene	2009-07	ug/L	< 10	< 10	< 10.0								
7,12-Dimethylbenz(a)anthracene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
7,12-Dimethylbenz(a)anthracene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
7,12-Dimethylbenz(a)anthracene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
7,12-Dimethylbenz(a)anthracene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
7,12-Dimethylbenz(a)anthracene	2015-06	ug/L											
7,12-Dimethylbenz(a)anthracene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
7,12-Dimethylbenz(a)anthracene	2015-10	ug/L				< 10.6							
7,12-Dimethylbenz(a)anthracene	2016-03	ug/L			< 10	< 10							
7,12-Dimethylbenz(a)anthracene	2016-06	ug/L											
7,12-Dimethylbenz(a)anthracene	2016-08	ug/L			< 11.1	< 11.5							
7,12-Dimethylbenz(a)anthracene	2018-11	ug/L											
7,12-Dimethylbenz(a)anthracene	2019-03	ug/L											
7,12-Dimethylbenz(a)anthracene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
7,12-Dimethylbenz(a)anthracene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Acenaphthene	2008-08	ug/L	< 10	< 10	< 10								
Acenaphthene	2009-03	ug/L	< 10	< 10	< 10								
Acenaphthene	2009-07	ug/L	< 10	< 10	< 10.0								
Acenaphthene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Acenaphthene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Acenaphthene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Acenaphthene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Acenaphthene	2015-06	ug/L											
Acenaphthene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Acenaphthene	2015-10	ug/L				< 10.6							
Acenaphthene	2016-03	ug/L			< 10	< 10							
Acenaphthene	2016-06	ug/L											
Acenaphthene	2016-08	ug/L			< 11.1	< 11.5							
Acenaphthene	2018-11	ug/L											
Acenaphthene	2019-03	ug/L											
Acenaphthene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Acenaphthene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Acenaphthylene	2008-08	ug/L	< 10	< 10	< 10								
Acenaphthylene	2009-03	ug/L	< 10	< 10	< 10								
Acenaphthylene	2009-07	ug/L	< 10	< 10	< 10.0								
Acenaphthylene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Acenaphthylene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Acenaphthylene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Acenaphthylene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Acenaphthylene	2015-06	ug/L											
Acenaphthylene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Acenaphthylene	2015-10	ug/L				< 10.6							
Acenaphthylene	2016-03	ug/L			< 10	< 10							
Acenaphthylene	2016-06	ug/L											
Acenaphthylene	2016-08	ug/L			< 11.1	< 11.5							
Acenaphthylene	2018-11	ug/L											
Acenaphthylene	2019-03	ug/L											
Acenaphthylene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Acenaphthylene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Acetone	2008-08	ug/L	< 10	< 10	< 10								
Acetone	2009-03	ug/L	< 10	< 10	< 10								
Acetone	2009-07	ug/L	< 10	< 10									
Acetone	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Acetone	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Acetone	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Acetone	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Acetone	2011-09	ug/L	< 10.0	< 10.0	< 10.0								
Acetone	2012-03	ug/L	< 10.0	< 10.0	< 10.0								
Acetone	2012-09	ug/L	< 10.0	< 10.0	< 10.0								
Acetone	2013-03	ug/L	< 10	< 10	< 10.0								
Acetone	2013-09	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Acetone	2013-11	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Acetone	2014-03	ug/L	< 10.0	**2.08 J**	< 10.0		< 10.0	< 10.0	< 10.0 J	< 10.0	< 10.0		
Acetone	2014-06	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Acetone	2014-09	ug/L	**2.08 J**	< 10	< 10		< 10	< 10	< 10	< 10	< 10		
Acetone	2015-03	ug/L	< 10.0	< 10.0 J	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Acetone	2015-06	ug/L											
Acetone	2015-09	ug/L	< 10	< 10	< 10								
Acetone	2015-10	ug/L				< 10	< 10	< 10		< 10	**3 J**		
Acetone	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
Acetone	2016-06	ug/L											
Acetone	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		**3.35 J**	< 10		
Acetone	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
Acetone	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
Acetone	2017-11	ug/L										< 10	< 10
Acetone	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
Acetone	2018-06	ug/L										< 10	< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Acetone	2018-08	ug/L	< 10	**4.8 J**	< 10	**3.31 J**	< 10	< 10			< 10	< 10	< 10	< 10
Acetone	2018-09	ug/L							< 10	**3.41 J**				
Acetone	2018-11	ug/L											< 10	
Acetone	2019-03	ug/L	< 10	**3.31 J**	< 10	**5.17 J**	< 10	**4.91 J**	**5.09 J**	**9.99 J**	< 10	< 10	< 10	< 10
Acetone	2019-04	ug/L												
Acetone	2019-08	ug/L	< 10	**4.05 J**	< 10	< 10	< 10	< 10	< 10	**4 J**	< 10	< 10	< 10	< 10
Acetone	2020-03	ug/L		**4.76 J**		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	2020-04	ug/L	< 10		< 10									
Acetone	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Acetone	2021-03	ug/L				< 10								
Acetone	2021-08	ug/L	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Acetone	2022-03	ug/L				< 10								
Acetone	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Acetone	2023-03	ug/L				< 10								
Acetone	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Acetone	2024-03	ug/L				< 10								
Acetone	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Acetone	2025-03	ug/L				< 10								
Acetone	2025-08	ug/L	< 10	**3.92 J**	< 10	**3.59 J**	< 10	< 10	< 10	**3.65 J**	< 10			< 10
Acetonitrile	2008-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	
Acetonitrile	2009-03	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetonitrile	2010-09	mg/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Acetonitrile	2015-06	mg/L						< 10	< 10					
Acetonitrile	2015-09	mg/L	< 10	< 10				< 10	< 10	< 10	< 10			
Acetonitrile	2015-10	mg/L			< 10	< 10								
Acetonitrile	2016-03	mg/L												
Acetonitrile	2016-06	mg/L					< 10							
Acetonitrile	2016-08	mg/L					< 10							
Acetonitrile	2018-11	mg/L											< 10	
Acetonitrile	2019-03	mg/L											< 10	
Acetonitrile	2020-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Acetonitrile	2025-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Acetophenone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetophenone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetophenone	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Acetophenone	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Acetophenone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acetophenone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Acetophenone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Acetophenone	2015-06	ug/L						< 10.5	< 11.1					
Acetophenone	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Acetophenone	2015-10	ug/L			< 10.3	< 10.5								
Acetophenone	2016-03	ug/L												
Acetophenone	2016-06	ug/L					< 11.4							
Acetophenone	2016-08	ug/L					< 11							
Acetophenone	2018-11	ug/L											< 11.6	
Acetophenone	2019-03	ug/L											< 12.2	
Acetophenone	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Acetophenone	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Acrolein	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrolein	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrolein	2009-07	ug/L	< 10	< 10	< 10	< 10		< 10	< 10.0	< 10.0	< 10			
Acrolein	2009-09	ug/L	< 10.0	< 10	< 10.0	< 50.0		< 10	< 10	< 10	< 10			
Acrolein	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrolein	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Acrolein	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Acrolein	2012-09	ug/L		< 10.0										
Acrolein	2015-06	ug/L						< 10	< 10					
Acrolein	2015-09	ug/L	< 10	< 10				< 10	< 10	< 10	< 10			
Acrolein	2015-10	ug/L			< 10	< 10								
Acrolein	2016-03	ug/L												
Acrolein	2016-06	ug/L					< 10							
Acrolein	2016-08	ug/L					< 10							
Acrolein	2018-11	ug/L											< 10	
Acrolein	2019-03	ug/L											< 10	
Acrolein	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Acrolein	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Acrylonitrile	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	2009-07	ug/L	< 10	< 10	< 10	< 10		< 10	< 10.0	< 10.0	< 10			
Acrylonitrile	2009-09	ug/L	< 10.0	< 10	< 10.0	< 50.0		< 10	< 10	< 10	< 10			
Acrylonitrile	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrylonitrile	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrylonitrile	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrylonitrile	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrylonitrile	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrylonitrile	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrylonitrile	2013-03	ug/L	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10	< 10	< 10
Acrylonitrile	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrylonitrile	2013-11	ug/L												
Acrylonitrile	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Acrylonitrile	2014-06	ug/L												
Acrylonitrile	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	2015-03	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0
Acrylonitrile	2015-06	ug/L						< 10	< 10					
Acrylonitrile	2015-09	ug/L	< 10	< 10			< 10	< 10	< 10	< 10	< 10	< 10		
Acrylonitrile	2015-10	ug/L			< 10	< 10							< 10	< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Acetone	2018-08	ug/L	< 10	< 10	< 10	< 10		< 10		< 10			
Acetone	2018-09	ug/L									< 10	< 10	< 10
Acetone	2018-11	ug/L										< 10	< 10
Acetone	2019-03	ug/L	**4.16 J**	**3.32 J**	< 10	< 10		< 10	< 10	< 10	**3.33 J**	< 10	
Acetone	2019-04	ug/L											< 10
Acetone	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
Acetone	2020-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
Acetone	2020-04	ug/L											
Acetone	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Acetone	2021-03	ug/L	< 10		< 10	< 10							< 10
Acetone	2021-08	ug/L	**3.43 J**	**4.01 J**	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Acetone	2022-03	ug/L	< 10		< 10	< 10							< 10
Acetone	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Acetone	2023-03	ug/L	< 10		< 10	< 10							< 10
Acetone	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Acetone	2024-03	ug/L	< 10		< 10	< 10							< 10
Acetone	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Acetone	2025-03	ug/L	< 10		< 10	< 10							< 10
Acetone	2025-08	ug/L	< 10	< 10	< 10 J	< 10	< 10			< 10	< 10	< 10	< 10
Acetonitrile	2008-08	mg/L	< 10	< 10									
Acetonitrile	2009-03	mg/L	< 10	< 10	< 10								
Acetonitrile	2010-09	mg/L	< 10.0	< 10.0	< 10.0								
Acetonitrile	2015-06	mg/L											
Acetonitrile	2015-09	mg/L	< 10	< 10	< 10								
Acetonitrile	2015-10	mg/L				< 10							
Acetonitrile	2016-03	mg/L			< 10	< 10							
Acetonitrile	2016-06	mg/L											
Acetonitrile	2016-08	mg/L			< 10	**3.64 J**							
Acetonitrile	2018-11	mg/L											
Acetonitrile	2019-03	mg/L											
Acetonitrile	2020-08	mg/L	< 10	< 10	< 10	< 10							
Acetonitrile	2025-08	mg/L	< 10	< 10	< 10	< 10							
Acetophenone	2008-08	ug/L	< 10	< 10	< 10								
Acetophenone	2009-03	ug/L	< 10	< 10	< 10								
Acetophenone	2009-07	ug/L	< 10	< 10	< 10.0								
Acetophenone	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Acetophenone	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Acetophenone	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Acetophenone	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Acetophenone	2015-06	ug/L											
Acetophenone	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Acetophenone	2015-10	ug/L				< 10.6							
Acetophenone	2016-03	ug/L			< 10	< 10							
Acetophenone	2016-06	ug/L											
Acetophenone	2016-08	ug/L			< 11.1	< 11.5							
Acetophenone	2018-11	ug/L											
Acetophenone	2019-03	ug/L											
Acetophenone	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Acetophenone	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Acrolein	2008-08	ug/L	< 10	< 10	< 10								
Acrolein	2009-03	ug/L	< 10	< 10	< 10								
Acrolein	2009-07	ug/L	< 10	< 10									
Acrolein	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Acrolein	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Acrolein	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Acrolein	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Acrolein	2012-09	ug/L											
Acrolein	2015-06	ug/L											
Acrolein	2015-09	ug/L	< 10	< 10	< 10								
Acrolein	2015-10	ug/L				< 10							
Acrolein	2016-03	ug/L			< 10	< 10							
Acrolein	2016-06	ug/L											
Acrolein	2016-08	ug/L			< 10	< 10							
Acrolein	2018-11	ug/L											
Acrolein	2019-03	ug/L											
Acrolein	2020-08	ug/L	< 10	< 10	< 10	< 10							
Acrolein	2025-08	ug/L	< 10	< 10	< 10 J	< 10							
Acrylonitrile	2008-08	ug/L	< 10	< 10	< 10								
Acrylonitrile	2009-03	ug/L	< 10	< 10	< 10								
Acrylonitrile	2009-07	ug/L	< 10	< 10									
Acrylonitrile	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Acrylonitrile	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Acrylonitrile	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Acrylonitrile	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Acrylonitrile	2011-09	ug/L	< 10.0	< 10.0	< 10.0								
Acrylonitrile	2012-03	ug/L	< 10.0	< 10.0	< 10.0								
Acrylonitrile	2012-09	ug/L	< 10.0	< 10.0	< 10.0								
Acrylonitrile	2013-03	ug/L	< 10	< 10	< 10.0								
Acrylonitrile	2013-09	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Acrylonitrile	2013-11	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Acrylonitrile	2014-03	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Acrylonitrile	2014-06	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Acrylonitrile	2014-09	ug/L	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10		
Acrylonitrile	2015-03	ug/L	< 10.0	< 10.0	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Acrylonitrile	2015-06	ug/L											
Acrylonitrile	2015-09	ug/L	< 10	< 10	< 10								
Acrylonitrile	2015-10	ug/L				< 10	< 10	< 10		< 10	< 10		

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Acrylonitrile	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	2016-06	ug/L					< 10							
Acrylonitrile	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	2017-03	ug/L	< 10	< 10	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 5	< 5	< 5
Acrylonitrile	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2017-11	ug/L												
Acrylonitrile	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2018-06	ug/L												
Acrylonitrile	2018-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Acrylonitrile	2018-09	ug/L							< 5	< 5				
Acrylonitrile	2018-11	ug/L											< 5	
Acrylonitrile	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2019-04	ug/L												
Acrylonitrile	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2020-03	ug/L		< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	2020-04	ug/L	< 5		< 5									
Acrylonitrile	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Acrylonitrile	2021-03	ug/L				< 5								
Acrylonitrile	2021-08	ug/L	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Acrylonitrile	2022-03	ug/L				< 5								
Acrylonitrile	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Acrylonitrile	2023-03	ug/L				< 5								
Acrylonitrile	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Acrylonitrile	2024-03	ug/L				< 5								
Acrylonitrile	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Acrylonitrile	2025-03	ug/L				< 5								
Acrylonitrile	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Aldrin	2008-08	ug/L	< 0.054	< 0.053	< 0.047	< 0.047	< 0.052	< 0.053	< 0.054	< 0.056	< 0.053		< 0.053	
Aldrin	2008-09	ug/L										< 0.016		< 0.016
Aldrin	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Aldrin	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
Aldrin	2015-06	ug/L						< 0.0348	< 0.032					
Aldrin	2015-09	ug/L	< 0.0356	< 0.0356				< 0.036	< 0.0327	< 0.0356	< 0.0352			
Aldrin	2015-10	ug/L			< 0.0372	< 0.0364								
Aldrin	2016-03	ug/L												
Aldrin	2016-06	ug/L					< 0.0364							
Aldrin	2016-08	ug/L					< 0.0337							
Aldrin	2018-11	ug/L											< 0.036	
Aldrin	2019-03	ug/L											< 0.0372	
Aldrin	2020-08	ug/L	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.039	< 0.0376	< 0.039			
Aldrin	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	< 0.0941	< 0.097	< 0.0897	< 0.0951			
Allyl Chloride	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Allyl Chloride	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Allyl Chloride	2009-07	ug/L	< 2	< 2	< 2	< 2		< 2	< 2.00	< 2.00	< 2			
Allyl Chloride	2009-09	ug/L	< 2.00	< 2	< 2.00	< 10.0		< 2	< 2	< 2	< 2			
Allyl Chloride	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Allyl Chloride	2010-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00				< 2.00				
Allyl Chloride	2011-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00				< 4.00				
Allyl Chloride	2012-09	ug/L		< 4.00										
Allyl Chloride	2015-06	ug/L						< 2	< 2					
Allyl Chloride	2015-09	ug/L	< 2	< 2				< 2	< 2	< 2	< 2			
Allyl Chloride	2015-10	ug/L			< 2	< 2								
Allyl Chloride	2016-03	ug/L												
Allyl Chloride	2016-06	ug/L					< 2							
Allyl Chloride	2016-08	ug/L					< 2							
Allyl Chloride	2018-11	ug/L											< 2	
Allyl Chloride	2019-03	ug/L											< 2	
Allyl Chloride	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			
Allyl Chloride	2025-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			
alpha-BHC	2008-08	ug/L	< 0.054	< 0.053	< 0.047	< 0.047	< 0.052	< 0.053	< 0.054	< 0.056	< 0.053		< 0.053	
alpha-BHC	2008-09	ug/L										< 0.016		< 0.016
alpha-BHC	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
alpha-BHC	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
alpha-BHC	2012-03	ug/L												
alpha-BHC	2013-03	ug/L												
alpha-BHC	2014-03	ug/L												
alpha-BHC	2014-09	ug/L												
alpha-BHC	2015-03	ug/L												
alpha-BHC	2015-06	ug/L						< 0.0348	< 0.032					
alpha-BHC	2015-09	ug/L	< 0.0356	< 0.0356				< 0.036	< 0.0327	< 0.0356	< 0.0352			
alpha-BHC	2015-10	ug/L			< 0.0372	**0.00307 J**								
alpha-BHC	2016-03	ug/L												
alpha-BHC	2016-06	ug/L					< 0.0364							
alpha-BHC	2016-08	ug/L					< 0.0337							
alpha-BHC	2017-03	ug/L												
alpha-BHC	2017-08	ug/L												
alpha-BHC	2018-11	ug/L											< 0.036	
alpha-BHC	2019-03	ug/L											< 0.0372	
alpha-BHC	2020-08	ug/L	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.039	< 0.0376	< 0.039			
alpha-BHC	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	< 0.0941	< 0.097	< 0.0897	< 0.0951			
Anthracene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Anthracene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Anthracene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Anthracene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Anthracene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Anthracene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Anthracene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**
Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Acrylonitrile	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
Acrylonitrile	2016-06	ug/L											
Acrylonitrile	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
Acrylonitrile	2017-03	ug/L	< 10	< 10	< 10	< 5	< 5	< 5		< 10	< 5		
Acrylonitrile	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
Acrylonitrile	2017-11	ug/L										< 5	< 5
Acrylonitrile	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
Acrylonitrile	2018-06	ug/L										< 5	< 5
Acrylonitrile	2018-08	ug/L	< 5	< 5	< 5	< 5		< 5		< 5			
Acrylonitrile	2018-09	ug/L									< 5	< 5	< 5
Acrylonitrile	2018-11	ug/L										< 5	< 5
Acrylonitrile	2019-03	ug/L	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	
Acrylonitrile	2019-04	ug/L											< 5
Acrylonitrile	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
Acrylonitrile	2020-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
Acrylonitrile	2020-04	ug/L											
Acrylonitrile	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Acrylonitrile	2021-03	ug/L	< 5		< 5	< 5							< 5
Acrylonitrile	2021-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Acrylonitrile	2022-03	ug/L	< 5		< 5	< 5							< 5
Acrylonitrile	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Acrylonitrile	2023-03	ug/L	< 5		< 5	< 5							< 5
Acrylonitrile	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Acrylonitrile	2024-03	ug/L	< 5		< 5	< 5							< 5
Acrylonitrile	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Acrylonitrile	2025-03	ug/L	< 5		< 5	< 5							< 5
Acrylonitrile	2025-08	ug/L	< 5	< 5	< 5 J	< 5	< 5			< 5	< 5	< 5	< 5
Aldrin	2008-08	ug/L	< 0.047	< 0.053									
Aldrin	2008-09	ug/L			< 0.016								
Aldrin	2009-03	ug/L	< 0.032	< 0.032	< 0.032								
Aldrin	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
Aldrin	2015-06	ug/L											
Aldrin	2015-09	ug/L	< 0.0344	< 0.0352	< 0.0352								
Aldrin	2015-10	ug/L				< 0.0364							
Aldrin	2016-03	ug/L			< 0.034	< 0.0356							
Aldrin	2016-06	ug/L											
Aldrin	2016-08	ug/L			< 0.0356	< 0.0327							
Aldrin	2018-11	ug/L											
Aldrin	2019-03	ug/L											
Aldrin	2020-08	ug/L	< 0.0376	< 0.039	< 0.039	< 0.0376							
Aldrin	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
Allyl Chloride	2008-08	ug/L	< 2	< 2	< 2								
Allyl Chloride	2009-03	ug/L	< 2	< 2	< 2								
Allyl Chloride	2009-07	ug/L	< 2	< 2									
Allyl Chloride	2009-09	ug/L	< 2.00	< 2.00	< 2.00								
Allyl Chloride	2010-03	ug/L	< 2.00	< 2.00	< 2.00								
Allyl Chloride	2010-09	ug/L	< 2.00	< 2.00	< 2.00								
Allyl Chloride	2011-03	ug/L	< 4.00	< 4.00	< 4.00								
Allyl Chloride	2012-09	ug/L											
Allyl Chloride	2015-06	ug/L											
Allyl Chloride	2015-09	ug/L	< 2	< 2	< 2								
Allyl Chloride	2015-10	ug/L				< 2							
Allyl Chloride	2016-03	ug/L			< 2	< 2							
Allyl Chloride	2016-06	ug/L											
Allyl Chloride	2016-08	ug/L			< 2	< 2							
Allyl Chloride	2018-11	ug/L											
Allyl Chloride	2019-03	ug/L											
Allyl Chloride	2020-08	ug/L	< 2	< 2	< 2	< 2							
Allyl Chloride	2025-08	ug/L	< 2	< 2	< 2 J	< 2							
alpha-BHC	2008-08	ug/L	< 0.047	< 0.053									
alpha-BHC	2008-09	ug/L			< 0.016								
alpha-BHC	2009-03	ug/L	< 0.032	< 0.032	< 0.032								
alpha-BHC	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
alpha-BHC	2012-03	ug/L			< 0.0320								
alpha-BHC	2013-03	ug/L			< 0.0344								
alpha-BHC	2014-03	ug/L			< 0.0330								
alpha-BHC	2014-09	ug/L			< 0.032								
alpha-BHC	2015-03	ug/L			< 0.0337								
alpha-BHC	2015-06	ug/L											
alpha-BHC	2015-09	ug/L	< 0.0344	< 0.0352	< 0.0352								
alpha-BHC	2015-10	ug/L				< 0.0364							
alpha-BHC	2016-03	ug/L			< 0.034	< 0.0356							
alpha-BHC	2016-06	ug/L											
alpha-BHC	2016-08	ug/L			< 0.0356	< 0.0327							
alpha-BHC	2017-03	ug/L			< 0.0337	< 0.0356							
alpha-BHC	2017-08	ug/L			< 0.0337	< 0.0344							
alpha-BHC	2018-11	ug/L											
alpha-BHC	2019-03	ug/L											
alpha-BHC	2020-08	ug/L	< 0.0376	< 0.039	< 0.039	< 0.0376							
alpha-BHC	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
Anthracene	2008-08	ug/L	< 10	< 10	< 10								
Anthracene	2009-03	ug/L	< 10	< 10	< 10								
Anthracene	2009-07	ug/L	< 10	< 10	< 10.0								
Anthracene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Anthracene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Anthracene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Anthracene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Anthracene	2015-06	ug/L						< 10.5	< 11.1					
Anthracene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Anthracene	2015-10	ug/L			< 10.3	< 10.5								
Anthracene	2016-03	ug/L												
Anthracene	2016-06	ug/L					< 11.4							
Anthracene	2016-08	ug/L					< 11							
Anthracene	2018-11	ug/L											< 11.6	
Anthracene	2019-03	ug/L											< 12.2	
Anthracene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Anthracene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Antimony	2008-08	mg/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Antimony	2009-03	mg/L	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Antimony	2010-03	mg/L	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600
Antimony	2010-09	mg/L	**0.00663**	**0.00757**	**0.00669**	**0.0115**	**0.00687**	**0.0153**	**0.0114**	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600
Antimony	2011-03	mg/L	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600
Antimony	2011-09	mg/L	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600
Antimony	2012-03	mg/L	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600
Antimony	2012-09	mg/L	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600
Antimony	2013-03	mg/L	< 0.00600	< 0.00600	**0.00106 J**	< 0.006	< 0.006	< 0.006	< 0.006	**0.00675**	**0.00677**	< 0.006	< 0.006 J	**0.00381 J**
Antimony	2013-09	mg/L	**0.00695**	**0.00348 J**	**0.00478 J**	**0.0126**	**0.00744**	**0.0105**	**0.00867**	< 0.00600	< 0.00600	< 0.00600	< 0.00600	**0.00245 J**
Antimony	2013-11	mg/L												
Antimony	2014-03	mg/L	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600
Antimony	2014-06	mg/L												
Antimony	2014-09	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2015-03	mg/L	< 0.00100	**0.000459 J**	< 0.00100	< 0.00100	< 0.001	< 0.001	< 0.00100	< 0.00100	< 0.001	**0.000539 J**	< 0.00100	< 0.00100
Antimony	2015-06	mg/L						< 0.001	< 0.001					
Antimony	2015-09	mg/L	< 0.001	**0.000282 J**			< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.00103**		
Antimony	2015-10	mg/L			< 0.001	< 0.001							**0.000256 J**	**0.000259 J**
Antimony	2016-03	mg/L	< 0.001	**0.000467 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2016-06	mg/L					< 0.001							
Antimony	2016-08	mg/L	< 0.001	**0.000279 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2017-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000346 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2017-08	mg/L	< 0.001	**0.00023 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2017-11	mg/L												
Antimony	2018-03	mg/L	< 0.001	**0.000405 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000436 J**	< 0.001	< 0.001
Antimony	2018-06	mg/L												
Antimony	2018-08	mg/L	< 0.001	**0.00044 J**	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2018-09	mg/L							< 0.001	< 0.001				
Antimony	2018-11	mg/L											< 0.001	
Antimony	2019-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2019-04	mg/L												
Antimony	2019-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2020-03	mg/L		< 0.001		< 0.001	< 0.004	< 0.001	< 0.004	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2020-04	mg/L	< 0.001		< 0.001									
Antimony	2020-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001
Antimony	2021-03	mg/L				< 0.002								
Antimony	2021-08	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002			< 0.002
Antimony	2022-03	mg/L				< 0.002								
Antimony	2022-08	mg/L	< 0.002	**0.00077 J**	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002			< 0.002
Antimony	2023-03	mg/L				< 0.002								
Antimony	2023-08	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002			< 0.002
Antimony	2024-03	mg/L				< 0.002								
Antimony	2024-08	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002			< 0.002
Antimony	2025-03	mg/L				< 0.002								
Antimony	2025-08	mg/L	< 0.002	< 0.002	< 0.002	**0.00138 J**	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002			< 0.002
Arsenic	2008-08	mg/L	< 0.001	**0.0369**	< 0.001	**0.0308**	< 0.001	< 0.001	**0.0196**	**0.0282**	**0.0026**	< 0.001	< 0.001	< 0.001
Arsenic	2009-03	mg/L	**0.0012**	**0.0239**	< 0.001	**0.0224**	< 0.001	**0.0011**	**0.0126**	**0.0258**	< 0.001	< 0.001	< 0.001	< 0.001
Arsenic	2009-07	mg/L	**0.001**	**0.029**	< 0.001	**0.019**		**0.0023**	**0.0126**	**0.029**	< 0.001	< 0.001	< 0.001	< 0.001
Arsenic	2009-09	mg/L	< 0.00100	**0.0392**		**0.0190**		**0.00155**	**0.0089**	**0.0334**	< 0.001	< 0.001		
Arsenic	2010-03	mg/L	< 0.00100	**0.0190**	< 0.00100	**0.0155**	**0.00795**	**0.0102**	**0.00856**	**0.0250**	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	2010-09	mg/L	< 0.00200	**0.0428**	< 0.00300	**0.0216**	< 0.00100	< 0.00100	< 0.00200	**0.0442**	**0.0816**	< 0.00100	< 0.00100	< 0.00200
Arsenic	2011-03	mg/L	< 0.00800	**0.0466**	< 0.0100	**0.0237**	< 0.0000400	< 0.0000400	< 0.00200	**0.0433**	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Arsenic	2011-09	mg/L	< 0.00100	**0.0382**	< 0.00400	**0.0296**	< 0.00400	< 0.00400	< 0.00200	**0.0316**	< 0.00200	< 0.00100	< 0.00100	< 0.00200
Arsenic	2012-03	mg/L	**0.00156**	**0.0372**	< 0.00100	**0.0327**	**0.00180**	**0.00180**	**0.00344**	**0.0415**	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	2012-09	mg/L	< 0.00100	**0.0326**	< 0.00100	**0.0201**	< 0.00100	< 0.00100	**0.00227**	**0.0339**	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	2013-03	mg/L	< 0.00100	**0.0712**	< 0.001	**0.139**	< 0.001	< 0.001	**0.000957 J**	**0.141**	< 0.00100	< 0.001	< 0.001	< 0.001
Arsenic	2013-09	mg/L	< 0.00100	**0.0340**	< 0.00100	**0.0199**	**0.000650 J**	< 0.00200	< 0.00200	**0.0395**	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	2013-11	mg/L												
Arsenic	2014-03	mg/L	< 0.00100	**0.0415**	< 0.00100	**0.0153**	< 0.00200	< 0.00100	< 0.00100	**0.0421**	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	2014-06	mg/L												
Arsenic	2014-09	mg/L	< 0.002	**0.0329**	< 0.002	**0.0234**	< 0.002	< 0.002	**0.00128 J**	**0.0401**	**0.00103 J**	< 0.002	< 0.002	< 0.002
Arsenic	2015-03	mg/L	< 0.00200	**0.0394**	< 0.00200	**0.0164**	< 0.002	< 0.002	**0.00237**	**0.0558**	**0.00279**	< 0.002	< 0.00200	< 0.00200
Arsenic	2015-06	mg/L						**0.00191 J**	**0.0019 J**					
Arsenic	2015-09	mg/L	< 0.002	**0.0417**			< 0.002	**0.00107 J**	**0.00159 J**	**0.0473**	**0.00136 J**	< 0.002		
Arsenic	2015-10	mg/L			< 0.002	**0.0286**							< 0.002	< 0.002
Arsenic	2016-03	mg/L	**0.000811 J**	**0.039**	< 0.002	**0.0248**	< 0.002	**0.0019 J**	**0.00168 J**	**0.0574**	**0.00273**	< 0.002	< 0.002	< 0.002
Arsenic	2016-06	mg/L					**0.000673 J**							
Arsenic	2016-08	mg/L	< 0.002	**0.04**	< 0.002	**0.0346**	< 0.002	< 0.002	**0.00152 J**	**0.0471**	**0.00139 J**	< 0.002	< 0.002	< 0.002
Arsenic	2017-03	mg/L	< 0.002	**0.0307**	< 0.002	**0.0244**	< 0.002	< 0.002	**0.00154 J**	**0.0501**	**0.00124 J**	< 0.002	< 0.002	**0.000582 J**
Arsenic	2017-08	mg/L	< 0.002	**0.0319**	< 0.002	**0.0264**	< 0.002	< 0.002	**0.000795 J**	**0.0414**	**0.00178 J**	< 0.002	< 0.002	< 0.002
Arsenic	2017-11	mg/L												
Arsenic	2018-03	mg/L	**0.000784 J**	**0.0412**	< 0.002	**0.0291**	**0.000598 J**	**0.000775 J**	**0.00157 J**	**0.0669**	**0.00117 J**	**0.000608 J**	< 0.002	**0.000636 J**
Arsenic	2018-06	mg/L												
Arsenic	2018-08	mg/L	< 0.002	**0.0397**	< 0.002	**0.0105**	**0.000649 J**	**0.000597 J**			**0.00186 J**	< 0.002	< 0.002	**0.000644 J**
Arsenic	2018-09	mg/L							**0.00155 J**	**0.0464**				
Arsenic	2018-11	mg/L											< 0.002	
Arsenic	2019-03	mg/L	< 0.002	**0.0543**	< 0.002	**0.115**	< 0.002	< 0.002	**0.00123 J**	**0.0655**	**0.00133 J**	< 0.002	< 0.002	< 0.002

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**
Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Anthracene	2015-06	ug/L											
Anthracene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Anthracene	2015-10	ug/L				< 10.6							
Anthracene	2016-03	ug/L			< 10	< 10							
Anthracene	2016-06	ug/L											
Anthracene	2016-08	ug/L			< 11.1	< 11.5							
Anthracene	2018-11	ug/L											
Anthracene	2019-03	ug/L											
Anthracene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Anthracene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Antimony	2008-08	mg/L	< 0.003	< 0.003	< 0.003								
Antimony	2009-03	mg/L	< 0.004	< 0.004	< 0.004								
Antimony	2010-03	mg/L	< 0.00600	< 0.00600	< 0.00600								
Antimony	2010-09	mg/L	< 0.00600	**0.00671**	**0.0101**								
Antimony	2011-03	mg/L	< 0.00600	< 0.00600	< 0.00600								
Antimony	2011-09	mg/L	< 0.00600	< 0.00600	< 0.00600								
Antimony	2012-03	mg/L	< 0.00600	< 0.00600	< 0.00600								
Antimony	2012-09	mg/L	< 0.00600	< 0.00600	< 0.00600								
Antimony	2013-03	mg/L	< 0.006	< 0.006	< 0.00600								
Antimony	2013-09	mg/L	**0.00128 J**	**0.00664**	< 0.00600	~~< 0.00600~~	< 0.00600	**0.00421 J**	< 0.00600	< 0.00600	**0.00462 J**		
Antimony	2013-11	mg/L				**~~0.00388 J~~**	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600		
Antimony	2014-03	mg/L	< 0.00600	< 0.00600	< 0.00600	~~< 0.00600~~	< 0.00600	< 0.00600	< 0.00600	< 0.00600	< 0.00600		
Antimony	2014-06	mg/L				~~< 0.00600~~	< 0.00600	< 0.00600	< 0.00600	**0.00350 J**	< 0.00600		
Antimony	2014-09	mg/L	< 0.001	< 0.001	< 0.001	~~< 0.001~~	**0.000769 J**	**0.000167 J**	< 0.001	< 0.001	< 0.001		
Antimony	2015-03	mg/L	**0.000241 J**	< 0.00100	< 0.001	~~< 0.00100~~	**0.000383 J**	< 0.00100	**0.000229 J**	< 0.00100	< 0.00100		
Antimony	2015-06	mg/L											
Antimony	2015-09	mg/L	< 0.001	< 0.001	< 0.001								
Antimony	2015-10	mg/L				< 0.001	< 0.001	< 0.001		< 0.001	< 0.001		
Antimony	2016-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000328 J**		< 0.001	< 0.001		
Antimony	2016-06	mg/L											
Antimony	2016-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000239 J**		< 0.001	< 0.001		
Antimony	2017-03	mg/L	< 0.001	< 0.001	< 0.001	**0.000185 J**	**0.000243 J**	**0.000231 J**		< 0.001	**0.000307 J**		
Antimony	2017-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000416 J**		< 0.001	< 0.001		
Antimony	2017-11	mg/L										< 0.001	< 0.001
Antimony	2018-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	**0.000589 J**	**0.000373 J**		< 0.001	< 0.001	**0.00022 J**	**0.000205 J**
Antimony	2018-06	mg/L										< 0.001	< 0.001
Antimony	2018-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001		< 0.001			
Antimony	2018-09	mg/L									< 0.001	< 0.001	< 0.001
Antimony	2018-11	mg/L										< 0.001	< 0.001
Antimony	2019-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
Antimony	2019-04	mg/L											< 0.001
Antimony	2019-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2020-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2020-04	mg/L											
Antimony	2020-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001
Antimony	2021-03	mg/L	< 0.002		< 0.002	< 0.002							< 0.002
Antimony	2021-08	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002			**0.00314**	< 0.002	< 0.002	< 0.002
Antimony	2022-03	mg/L	< 0.002		< 0.002	< 0.002							< 0.002
Antimony	2022-08	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002			< 0.002	< 0.002	< 0.002	< 0.002
Antimony	2023-03	mg/L	< 0.002		< 0.002	< 0.002							< 0.002
Antimony	2023-08	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002			< 0.002	< 0.002	< 0.002	< 0.002
Antimony	2024-03	mg/L	< 0.002		< 0.002	< 0.002							< 0.002
Antimony	2024-08	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002			< 0.002	< 0.002	< 0.002	< 0.002
Antimony	2025-03	mg/L	< 0.002		< 0.002	< 0.002							< 0.002
Antimony	2025-08	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002			< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	2008-08	mg/L	**0.0249**	**0.0372**	**0.0016**								
Arsenic	2009-03	mg/L	**0.0233**	**0.0441**	**0.0016**								
Arsenic	2009-07	mg/L	**0.0248**	**0.0413**	**0.0017**								
Arsenic	2009-09	mg/L	**0.0230**	**0.0358**	**0.00225**								
Arsenic	2010-03	mg/L	**0.0262**	**0.0443**	**0.00132**								
Arsenic	2010-09	mg/L	**0.0272**	**0.0382**	< 0.00100								
Arsenic	2011-03	mg/L	**0.0341**	**0.0696**	< 0.00100								
Arsenic	2011-09	mg/L	**0.0283**	**0.0592**	< 0.00100								
Arsenic	2012-03	mg/L	**0.0292**	**0.0633**	**0.00130**								
Arsenic	2012-09	mg/L	**0.0261**	**0.0710**	< 0.00100								
Arsenic	2013-03	mg/L	**0.027**	**0.134**	**0.000786 J**								
Arsenic	2013-09	mg/L	**0.0324**	**0.0701**	**0.00106**	~~**0.00131**~~	**0.000733 J**	**0.00106**	**0.0162**	**0.000959 J**	< 0.00100		
Arsenic	2013-11	mg/L				~~< 0.00100~~	< 0.00100	**0.00110**	**0.00180**	< 0.00100	< 0.00100		
Arsenic	2014-03	mg/L	**0.0297**	**0.0750**	**0.000607 J**	**~~0.000322 J~~**	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100		
Arsenic	2014-06	mg/L				~~< 0.00100~~	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100		
Arsenic	2014-09	mg/L	**0.0271**	**0.0585**	**0.00172 J**	**~~0.00113 J~~**	< 0.002	**0.00254**	< 0.002	< 0.002	< 0.002		
Arsenic	2015-03	mg/L	**0.0442**	**0.0683**	**0.00121 J**	~~< 0.00200~~	< 0.00200	**0.00268**	< 0.00200	< 0.00200	**0.000945 J**		
Arsenic	2015-06	mg/L											
Arsenic	2015-09	mg/L	**0.0422**	**0.0659**	< 0.002								
Arsenic	2015-10	mg/L				< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002		
Arsenic	2016-03	mg/L	**0.0425**	**0.0586**	**0.00121 J**	< 0.002	< 0.002	**0.00114 J**	**0.000726 J**	**0.000796 J**	< 0.002		
Arsenic	2016-06	mg/L											
Arsenic	2016-08	mg/L	**0.0379**	**0.0531**	**0.000854 J**	< 0.002	< 0.002	**0.000935 J**	**0.00115 J**	< 0.002	< 0.002		
Arsenic	2017-03	mg/L	**0.038**	**0.0519**	**0.00112 J**	< 0.002	< 0.002	**0.000715 J**	**0.000733 J**	**0.000548 J**	< 0.002		
Arsenic	2017-08	mg/L	**0.0428**	**0.0656**	**0.000843 J**	< 0.002	< 0.002	**0.00115 J**	**0.000789 J**	< 0.002	< 0.002		
Arsenic	2017-11	mg/L										**0.00306**	**0.00987**
Arsenic	2018-03	mg/L	**0.0469**	**0.0694**	**0.00124 J**	**0.000546 J**	**0.00073 J**	**0.00123 J**	**0.00157 J**	**0.000654 J**	< 0.002	**0.0014 J**	**0.0138**
Arsenic	2018-06	mg/L										**0.00133 J**	**0.0152**
Arsenic	2018-08	mg/L	**0.0413**	**0.0703**	**0.00128 J**	< 0.002		**0.00121 J**	**0.000872 J**	< 0.002			
Arsenic	2018-09	mg/L									< 0.002	**0.00101 J**	**0.0166**
Arsenic	2018-11	mg/L										**0.000953 J**	**0.0201**
Arsenic	2019-03	mg/L	**0.0461**	**0.0534**	**0.0012 J**	< 0.002		**0.0011 J**	< 0.002	**0.000833 J**	< 0.002	**0.000852 J**	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Arsenic	2019-04	mg/L												
Arsenic	2019-08	mg/L	< 0.002	**0.0413**	< 0.002	**0.0633**	**0.000752 J**	< 0.002	< 0.002	**0.0436**	**0.00307**	< 0.002	< 0.002	< 0.002
Arsenic	2020-03	mg/L		**0.0367**		**0.0317**	< 0.008	**0.00178 J**	< 0.008	**0.0585**	**0.00198 J**	< 0.002	< 0.002	< 0.002
Arsenic	2020-04	mg/L	< 0.002		< 0.002									
Arsenic	2020-08	mg/L	< 0.002	**0.0332**	< 0.002	**0.0197**	< 0.002	**0.00108 J**	**0.00095 J**	**0.0525**	**0.00162 J**			< 0.002
Arsenic	2021-03	mg/L				**0.0281**								
Arsenic	2021-08	mg/L	< 0.002	**0.0413**	< 0.002	**0.0273**	< 0.002	< 0.002	< 0.002	**0.0517**	**0.00133 J**			< 0.002
Arsenic	2022-03	mg/L				**0.0129**								
Arsenic	2022-08	mg/L	< 0.002	**0.037**	< 0.002	**0.0108**	< 0.002	**0.000916 J**	< 0.002	**0.0523**	**0.00114 J**			< 0.002
Arsenic	2023-03	mg/L				**0.00844**								
Arsenic	2023-08	mg/L	**0.000696 J**	**0.0335**	**0.00071 J**	**0.0142**	**0.000546 J**	**0.00207**	**0.000621 J**	**0.0566**	**0.00141 J**			< 0.002
Arsenic	2024-03	mg/L				**0.0253**								
Arsenic	2024-08	mg/L	**0.000805 J**	**0.0487**	< 0.002	**0.0151**	**0.00061 J**	**0.00347**	**0.000834 J**	**0.0551**	**0.00161 J**			< 0.002
Arsenic	2025-03	mg/L				**0.0112**								
Arsenic	2025-08	mg/L	< 0.002	**0.0511**	< 0.002	**0.0189**	**0.000924 J**	**0.00679**	**0.000853 J**	**0.0607**	**0.00165 J**			< 0.002
Barium	2008-08	mg/L	**0.13**	**0.47**	< 0.1	**0.11**	< 0.1	< 0.1	**0.16**	**0.62**	**0.22**	< 0.1	< 0.1	**0.11**
Barium	2009-03	mg/L	**0.14**	**0.41**	< 0.05	**0.10**	< 0.05	< 0.05	< 0.05	**0.64**	**0.17**	< 0.05	< 0.05	< 0.05
Barium	2009-07	mg/L	< 0.1	**0.42**	< 0.1	< 0.1		< 0.1	< 0.1	**0.66**	**0.19**	< 0.1	< 0.1	< 0.1
Barium	2009-09	mg/L	**0.0687**	**0.474**		**0.0880**		**0.0188**	**0.036**	**0.612**	**0.16**	**0.0412**		
Barium	2010-03	mg/L	**0.0670**	**0.464**	**0.0499**	**0.127**	**0.0268**	**0.0204**	**0.0368**	**0.522**	**0.185**	**0.0473**	**0.0438**	**0.0789**
Barium	2010-09	mg/L	**0.0625**	**0.390**	**0.0432**	**0.107**	**0.0257**	**0.0191**	**0.0330**	**0.649**	**0.192**	**0.0459**	**0.0429**	**0.0783**
Barium	2011-03	mg/L	**0.0719**	**0.496**	**0.0392**	**0.0934**	**0.0243**	**0.0199**	**0.0302**	**0.671**	**0.207**	**0.0484**	**0.0470**	**0.0754**
Barium	2011-09	mg/L	**0.0778**	**0.396**	**0.0430**	**0.121**	**0.0221**	**0.0180**	**0.0297**	**0.720**	**0.199**	**0.0478**	**0.0467**	**0.0784**
Barium	2012-03	mg/L	**0.102**	**0.436**	**0.0471**	**0.125**	**0.0287**	**0.0211**	**0.0355**	**0.648**	**0.164**	**0.0519**	**0.0466**	**0.0848**
Barium	2012-09	mg/L	**0.115**	**0.529**	**0.0523**	**0.140**	**0.0283**	**0.0219**	**0.0365**	**0.814**	**0.139**	**0.0539**	**0.0519**	**0.0905**
Barium	2013-03	mg/L	**0.100**	**0.756**	**0.0516**	**0.221**	**0.0241**	**0.0158**	**0.0331**	**0.602**	**0.0902**	**0.0493**	**0.052**	**0.101**
Barium	2013-09	mg/L	**0.105**	**0.390**	**0.0430**	**0.244**	**0.00851 J**	< 0.0100	**0.0161**	**0.668**	**0.164**	**0.0491**	**0.0471**	**0.0992**
Barium	2013-11	mg/L												
Barium	2014-03	mg/L	**0.102**	**0.587**	**0.0426**	**0.171**	**0.0210**	**0.0163**	**0.0296**	**0.700**	**0.129**	**0.0483**	**0.0463**	**0.0806**
Barium	2014-06	mg/L												
Barium	2014-09	mg/L	**0.0978**	**0.419**	**0.0502**	**0.475**	**0.0274**	**0.0223**	**0.0307**	**0.651**	**0.177**	**0.0491**	**0.0493**	**0.0957**
Barium	2015-03	mg/L	**0.11**	**0.761**	**0.0498**	**0.581**	**0.0357**	**0.0281**	**0.0324**	**0.635**	**0.299**	**0.061**	**0.0674**	**0.0857**
Barium	2015-06	mg/L						**0.0256**	**0.0345**					
Barium	2015-09	mg/L	**0.125**	**0.526**			**0.0353**	**0.023**	**0.0307**	**0.568**	**0.279**	**0.0579**		
Barium	2015-10	mg/L			**0.0732**	**0.624**							**0.0563**	**0.0989**
Barium	2016-03	mg/L	**0.126**	**0.713**	**0.064**	**0.715**	**0.0312**	**0.027**	**0.0293**	**0.58**	**0.215**	**0.0483**	**0.0722**	**0.0994**
Barium	2016-06	mg/L					**0.0353**							
Barium	2016-08	mg/L	**0.128**	**0.501**	**0.0613**	**0.791**	**0.0278**	**0.0204**	**0.0324**	**0.59**	**0.207**	**0.0523**	**0.0664**	**0.0873**
Barium	2017-03	mg/L	**0.114**	**0.59**	**0.0709**	**1.11**	**0.0297**	**0.0241**	**0.0295**	**0.565**	**0.248**	**0.0641**	**0.0767**	**0.0924**
Barium	2017-08	mg/L	**0.121**	**0.486**	**0.0543**	**1**	**0.0312**	**0.0228**	**0.0286**	**0.645**	**0.228**	**0.0519**	**0.0678**	**0.0735**
Barium	2017-11	mg/L												
Barium	2018-03	mg/L	**0.129**	**0.935**	**0.0513**	**0.751**	**0.0359**	**0.0262**	**0.0297**	**0.701**	**0.183**	**0.0567**	**0.0701**	**0.0776**
Barium	2018-06	mg/L												
Barium	2018-08	mg/L	**0.117**	**0.539**	**0.0664**	**0.666**	**0.0371**	**0.0247**			**0.236**	**0.0598**	**0.0821**	**0.0901**
Barium	2018-09	mg/L							**0.0378**	**0.636**				
Barium	2018-11	mg/L											**0.0619**	
Barium	2019-03	mg/L	**0.131**	**0.534**	**0.0568**	**1.08**	**0.0316**	**0.0236**	**0.0341**	**0.515**	**0.199**	**0.0584**	**0.0592**	**0.104**
Barium	2019-04	mg/L												
Barium	2019-08	mg/L	**0.134**	**0.449**	**0.0615**	**1.3**	**0.0345**	**0.0233**	**0.0271**	**0.718**	**0.213**	**0.054**	**0.0595**	**0.0755**
Barium	2020-03	mg/L		**0.707**		**1.13**	**0.0338**	**0.025**	**0.0315**	**0.655**	**0.236**	**0.0518**	**0.0594**	**0.0845**
Barium	2020-04	mg/L	**0.116**		**0.0551**									
Barium	2020-08	mg/L	**0.123**	**0.427**	**0.0544**	**1.05**	**0.036**	**0.0233**	**0.0294**	**0.735**	**0.245**			**0.0724**
Barium	2021-03	mg/L				**0.962**								
Barium	2021-08	mg/L	**0.145**	**0.7**	**0.0539**	**1.06**	**0.0388**	**0.0225**	**0.0338**	**0.778**	**0.221**			**0.0838**
Barium	2022-03	mg/L				**0.603**								
Barium	2022-08	mg/L	**0.175**	**0.414**	**0.0563**	**0.403**	**0.0467**	**0.0236**	**0.0348**	**0.647**	**0.25**			**0.105**
Barium	2023-03	mg/L				**0.283**								
Barium	2023-08	mg/L	**0.178**	**0.518**	**0.0445**	**0.373**	**0.04**	**0.0248**	**0.0351**	**0.653**	**0.221**			**0.0999**
Barium	2024-03	mg/L				**0.687**								
Barium	2024-08	mg/L	**0.174**	**0.454**	**0.0571**	**0.736**	**0.0414**	**0.0197**	**0.0327**	**0.558**	**0.195**			**0.0961**
Barium	2025-03	mg/L				**0.539**								
Barium	2025-08	mg/L	**0.144**	**0.46**	**0.0541**	**0.86**	**0.036**	**0.0199**	**0.0331**	**0.48**	**0.238**			**0.0876**
Benzene	2008-08	ug/L	< 0.5	**0.88**	< 0.5	**3.39**	< 0.5	< 0.5	< 0.5	**1.1**	**0.57**	< 0.5	< 0.5	< 0.5
Benzene	2009-03	ug/L	< 0.5	**1.14**	< 0.5	**3.08**	< 0.5	< 0.5	< 0.5	**0.75**	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2009-07	ug/L	< 0.5	**1.33**	< 0.5	**1.89**		< 0.5	< 0.500	**1.18**	< 0.5			
Benzene	2009-09	ug/L	< 0.500	**1.23**	< 0.500	**2.60**		< 0.5	< 0.5	**1.14**	< 0.5			
Benzene	2010-03	ug/L	< 0.500	**1.16**	< 0.500	**3.32**	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500
Benzene	2010-09	ug/L	< 0.500	**0.880**	< 0.500	**2.89**	< 0.500	< 0.500	< 0.500	**0.880**	< 0.500	< 0.500	< 0.500	< 0.500
Benzene	2011-03	ug/L	< 0.500	**1.41**	< 0.500	**2.66**	< 0.500	< 0.500	< 0.500	**0.990**	< 0.500	< 0.500	< 0.500	< 0.500
Benzene	2011-09	ug/L	< 0.500	**1.33**	< 0.500	**2.78**	< 0.500	< 0.500	< 0.500	**0.630**	< 0.500	< 0.500	< 0.500	< 0.500
Benzene	2012-03	ug/L	< 0.500	**1.91**	< 0.500	**2.20**	< 0.500	< 0.500	< 0.500	**0.550**	< 0.500	< 0.500	< 0.500	< 0.500
Benzene	2012-09	ug/L	< 0.500	**2.51**	< 0.500	**2.16**	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500
Benzene	2013-03	ug/L	< 0.500	**1.25**	< 0.5	**2.97**	< 0.5	< 0.5	< 0.5	**0.659**	< 0.500	< 0.5	< 0.5	< 0.5
Benzene	2013-09	ug/L	< 0.500	**1.32**	< 0.500	**2.83**	< 0.500	< 0.500	< 0.500	**0.584**	**0.223 J**	< 0.500	< 0.500	< 0.500
Benzene	2013-11	ug/L												
Benzene	2014-03	ug/L	< 0.500	**3.32**	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	**0.305 J**	< 0.500	< 0.500	< 0.500	< 0.500
Benzene	2014-06	ug/L												
Benzene	2014-09	ug/L	< 0.5	**1.28**	< 0.5	**3.6**	< 0.5	< 0.5	< 0.5	**0.417 J**	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2015-03	ug/L	< 0.500	**3.51**	< 0.500	**2.24**	< 0.5	< 0.5	< 0.500	**0.312 J**	< 0.5	< 0.5	< 0.500	< 0.500
Benzene	2015-06	ug/L						< 0.5	< 0.5					
Benzene	2015-09	ug/L	< 0.5	**1.32**			< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Benzene	2015-10	ug/L			< 0.5	**2.63**							< 0.5	< 0.5
Benzene	2016-03	ug/L	< 0.5	**2.86**	< 0.5	**5.06**	< 0.5	< 0.5	< 0.5	**0.764**	**0.127 J**	< 0.5	< 0.5	< 0.5
Benzene	2016-06	ug/L					< 0.5							
Benzene	2016-08	ug/L	< 0.5	**2.42**	< 0.5	**5.21**	< 0.5	< 0.5	< 0.5	**0.446 J**	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2017-03	ug/L	< 0.5	**0.599**	< 0.5	**4.6**	**0.142 J**	< 0.5	< 0.5	**0.475 J**	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2017-08	ug/L	< 0.5	**2.4**	< 0.5	**3.47**	< 0.5	< 0.5	< 0.5	**0.263 J**	< 0.5	< 0.5	< 0.5	< 0.5

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Arsenic	2019-04	mg/L											**0.0253**
Arsenic	2019-08	mg/L	**0.0454**	**0.0619**	**0.00133 J**	**0.000789 J**	< 0.002	**0.000816 J**	**0.00212**	**0.00621**	< 0.002	< 0.002	**0.0197**
Arsenic	2020-03	mg/L	**0.0474**	**0.0714**	**0.00101 J**	< 0.002	< 0.002	< 0.002	< 0.002	**0.00111 J**	< 0.002	< 0.002	**0.0276**
Arsenic	2020-04	mg/L											
Arsenic	2020-08	mg/L	**0.0477**	**0.0719**	**0.00102 J**	< 0.002	< 0.002		< 0.002	**0.00758**	< 0.002	< 0.002	**0.0243**
Arsenic	2021-03	mg/L	**0.0514**		**0.001 J**	< 0.002							**0.0224**
Arsenic	2021-08	mg/L	**0.0351**	**0.0663**	**0.00094 J**	< 0.002	< 0.002		< 0.002	**0.00322**	< 0.002	< 0.002	**0.0189**
Arsenic	2022-03	mg/L	**0.0326**		**0.000956 J**	< 0.002							**0.0168**
Arsenic	2022-08	mg/L	**0.037**	**0.0745**	**0.000912 J**	< 0.002	< 0.002		< 0.002	< 0.002	< 0.002	< 0.002	**0.0219 J+**
Arsenic	2023-03	mg/L	**0.0399**		**0.00122 J**	< 0.002							**0.0202**
Arsenic	2023-08	mg/L	**0.0496**	**0.072**	**0.00112 J**	**0.000547 J**	< 0.002		**0.00061 J**	**0.000868 J**	< 0.002	< 0.002	**0.0192**
Arsenic	2024-03	mg/L	**0.0409**		**0.00107 J**	< 0.002							**0.0196**
Arsenic	2024-08	mg/L	**0.0503**	**0.0692**	**0.00102 J**	**0.000612 J**	< 0.002		< 0.002	**0.00602**	< 0.002	< 0.002	**0.0214**
Arsenic	2025-03	mg/L	**0.0456**		**0.00102 J**	**0.000536 J**							**0.0165**
Arsenic	2025-08	mg/L	**0.0369**	**0.0532**	**0.00133 J**	**0.000713 J**	< 0.002		< 0.002	**0.00442**	< 0.002	< 0.002	**0.0192**
Barium	2008-08	mg/L	**0.43**	**0.7**	~~< 0.1~~								
Barium	2009-03	mg/L	**0.35**	**0.64**	~~< 0.05~~								
Barium	2009-07	mg/L	**0.39**	**0.65**	~~< 0.1~~								
Barium	2009-09	mg/L	**0.307**	**0.572**	**0.0436**								
Barium	2010-03	mg/L	**0.354**	**0.649**	**0.0447**								
Barium	2010-09	mg/L	**0.344**	**0.601**	**0.0418**								
Barium	2011-03	mg/L	**0.399**	**0.488**	**0.0444**								
Barium	2011-09	mg/L	**0.417**	**0.625**	**0.0441**								
Barium	2012-03	mg/L	**0.422**	**0.644**	**0.0454**								
Barium	2012-09	mg/L	**0.442**	**0.676**	**0.0492**								
Barium	2013-03	mg/L	**0.387**	**0.599**	**0.0402**								
Barium	2013-09	mg/L	**0.406**	**0.559**	**0.0416**	~~**0.136**~~	**0.0982**	**0.146**	**0.301**	**0.107**	**0.360**		
Barium	2013-11	mg/L				~~**0.165**~~	**0.0966**	**0.165**	**0.313**	**0.0943**	**0.327**		
Barium	2014-03	mg/L	**0.397**	**0.609**	**0.0405**	~~**0.113**~~	**0.105**	**0.159**	**0.311**	**0.0894**	**0.291**		
Barium	2014-06	mg/L				~~**0.117**~~	**0.114**	**0.165**	**0.310**	**0.0936**	**0.299**		
Barium	2014-09	mg/L	**0.428**	**0.914**	**0.0451**	~~**0.117**~~	**0.117**	**0.167**	**0.293**	**0.102**	**0.318**		
Barium	2015-03	mg/L	**0.543**	**0.65**	**0.0487**	~~**0.0559**~~	**0.102**	**0.158**	**0.322**	**0.13**	**0.28**		
Barium	2015-06	mg/L											
Barium	2015-09	mg/L	**0.649**	**0.678**	**0.047**								
Barium	2015-10	mg/L				**0.105**	**0.0991**	**0.142**		**0.159**	**0.279**		
Barium	2016-03	mg/L	**0.556**	**0.614**	**0.0437**	**0.0682**	**0.0983**	**0.145**		**0.158**	**0.245**		
Barium	2016-06	mg/L											
Barium	2016-08	mg/L	**0.513**	**0.593**	**0.042**	**0.0955**	**0.092**	**0.15**		**0.148**	**0.256**		
Barium	2017-03	mg/L	**0.462**	**0.564**	**0.0505**	**0.107**	**0.127**	**0.194**		**0.161**	**0.307**		
Barium	2017-08	mg/L	**0.604**	**0.643**	**0.0415**	**0.0986**	**0.094**	**0.167**		**0.136**	**0.376**		
Barium	2017-11	mg/L										**0.13**	**0.623**
Barium	2018-03	mg/L	**0.569**	**0.672**	**0.047**	**0.113**	**0.104**	**0.169**		**0.139**	**0.312**	**0.17**	**0.623**
Barium	2018-06	mg/L										**0.218**	**0.759**
Barium	2018-08	mg/L	**0.558**	**0.651**	**0.0413**	**0.0938**		**0.193**		**0.127 J**			
Barium	2018-09	mg/L									**0.346**	**0.217**	**0.683**
Barium	2018-11	mg/L										**0.195**	**0.703**
Barium	2019-03	mg/L	**0.641**	**0.575**	~~**0.0515**~~	**0.115**		**0.157**	**0.288**	**0.14**	**0.281**	**0.212**	
Barium	2019-04	mg/L											**0.639**
Barium	2019-08	mg/L	**0.636**	**0.626**	**0.0438**	**0.104**	**0.098**	**0.179**		**0.0881**	**0.425**	**0.204**	**0.696**
Barium	2020-03	mg/L	**0.568**	**0.652**	**0.048**	**0.127**	**0.123**	**0.17**		**0.146**	**0.355**	**0.207**	**0.69**
Barium	2020-04	mg/L											
Barium	2020-08	mg/L	**0.618**	**0.633**	**0.0437**	**0.115**	**0.0959**			**0.0972**	**0.314**	**0.182**	**0.692**
Barium	2021-03	mg/L	**0.63**		**0.0461**	**0.138**							**0.705**
Barium	2021-08	mg/L	**0.479**	**0.661**	**0.0487**	**0.129**	**0.115**			**0.136**	**0.722**	**0.185**	**0.696**
Barium	2022-03	mg/L	**0.451**		**0.0473**	**0.125**							**0.705**
Barium	2022-08	mg/L	**0.529**	**0.623**	**0.0447**	**0.121**	**0.124**			**0.137**	**0.433**	**0.219**	**0.772**
Barium	2023-03	mg/L	**0.449**		**0.0415**	**0.114**							**0.633**
Barium	2023-08	mg/L	**0.819**	**0.735**	**0.0476**	**0.117**	**0.108**			**0.143**	**0.302**	**0.183**	**0.747**
Barium	2024-03	mg/L	**0.517**		**0.0459**	**0.125**							**0.666**
Barium	2024-08	mg/L	**0.666**	**0.594**	**0.0457**	**0.122**	**0.138**			**0.11**	**0.326**	**0.189**	**0.681**
Barium	2025-03	mg/L	**0.615**		**0.0456**	**0.118**							**0.613**
Barium	2025-08	mg/L	**0.473**	**0.61**	**0.0457**	**0.118**	**0.123**			**0.111**	**0.275**	**0.192**	**0.646**
Benzene	2008-08	ug/L	< 0.5	**3.26**	< 0.5								
Benzene	2009-03	ug/L	< 0.5	**2.5**	< 0.5								
Benzene	2009-07	ug/L	< 0.5	**0.98**									
Benzene	2009-09	ug/L	< 0.500	**2.70**	< 0.500								
Benzene	2010-03	ug/L	< 0.500	**1.57**	< 0.500								
Benzene	2010-09	ug/L	< 0.500	**2.45**	< 0.500								
Benzene	2011-03	ug/L	< 0.500	**1.32**	< 0.500								
Benzene	2011-09	ug/L	< 0.500	**1.31**	< 0.500								
Benzene	2012-03	ug/L	< 0.500	**0.650**	< 0.500								
Benzene	2012-09	ug/L	< 0.500	**0.630**	< 0.500								
Benzene	2013-03	ug/L	**0.161 J**	**0.412 J**	< 0.500								
Benzene	2013-09	ug/L	**0.360 J**	**0.744**	< 0.500		< 0.500	< 0.500	< 0.500	< 0.500	< 0.500		
Benzene	2013-11	ug/L					< 0.500	< 0.500	< 0.500	< 0.500	< 0.500		
Benzene	2014-03	ug/L	< 0.500	**0.458 J**	< 0.500		< 0.500	< 0.500	< 0.500	< 0.500	< 0.500		
Benzene	2014-06	ug/L					< 0.500	< 0.500	< 0.500	< 0.500	< 0.500		
Benzene	2014-09	ug/L	**0.292 J**	**0.607**	< 0.5		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
Benzene	2015-03	ug/L	**0.396 J**	**0.216 J**	< 0.5		< 0.500	< 0.500	< 0.500	< 0.500	< 0.500		
Benzene	2015-06	ug/L											
Benzene	2015-09	ug/L	**0.368 J**	**0.371 J**	< 0.5								
Benzene	2015-10	ug/L				< 0.5	< 0.5	< 0.5		< 0.5	< 0.5		
Benzene	2016-03	ug/L	**0.372 J**	**0.211 J**	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	< 0.5		
Benzene	2016-06	ug/L											
Benzene	2016-08	ug/L	**0.363 J**	**0.285 J**	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	< 0.5		
Benzene	2017-03	ug/L	**0.245 J**	**0.358 J**	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	< 0.5		
Benzene	2017-08	ug/L	**0.457 J**	**0.616**	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	< 0.5		

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	2017-11	ug/L												
Benzene	2018-03	ug/L	< 0.5	**1.46**	< 0.5	**2.47**	< 0.5	< 0.5	< 0.5	**0.134 J**	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2018-06	ug/L												
Benzene	2018-08	ug/L	< 0.5	**3**	< 0.5	**2.56**	< 0.5	< 0.5			< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2018-09	ug/L							< 0.5	< 0.5				
Benzene	2018-11	ug/L											< 0.5	
Benzene	2019-03	ug/L	< 0.5	**0.458 J**	< 0.5	**3.63**	< 0.5	< 0.5	< 0.5	**0.228 J**	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2019-04	ug/L												
Benzene	2019-08	ug/L	< 0.5	**2.47**	< 0.5	**4.06**	< 0.5	< 0.5	< 0.5	**0.483 J**	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2020-03	ug/L		**2**		**3.55**	< 0.5	< 0.5	< 0.5	**0.268 J**	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2020-04	ug/L	< 0.5		< 0.5									
Benzene	2020-08	ug/L	< 0.5	**2.56**	< 0.5	**2.41**	< 0.5	< 0.5	< 0.5	**0.322 J**	< 0.5			< 0.5
Benzene	2021-03	ug/L				**4.41**								
Benzene	2021-08	ug/L	< 0.5	**4.94 J**	< 0.5	**2.58**	< 0.5	< 0.5	< 0.5	< 0.5	**0.258 J**			< 0.5
Benzene	2022-03	ug/L				**1.19**								
Benzene	2022-08	ug/L	< 0.5	**2.32**	< 0.5	**1.63**	< 0.5	< 0.5	**0.245 J**	< 0.5	< 0.5			< 0.5
Benzene	2023-03	ug/L				**0.665**								
Benzene	2023-08	ug/L	< 0.5	**3.05**	< 0.5	**0.943**	< 0.5	< 0.5	< 0.5	**0.267 J**	< 0.5			< 0.5
Benzene	2024-03	ug/L				**2.55**								
Benzene	2024-08	ug/L	< 0.5	**2.62**	< 0.5	**0.86**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			< 0.5
Benzene	2025-03	ug/L				**0.755**								
Benzene	2025-08	ug/L	< 0.5	**2.86**	< 0.5	**0.84**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			< 0.5
Benzo(a)anthracene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(a)anthracene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(a)anthracene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Benzo(a)anthracene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Benzo(a)anthracene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Benzo(a)anthracene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Benzo(a)anthracene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Benzo(a)anthracene	2015-06	ug/L						< 10.5	< 11.1					
Benzo(a)anthracene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Benzo(a)anthracene	2015-10	ug/L			< 10.3	< 10.5								
Benzo(a)anthracene	2016-03	ug/L												
Benzo(a)anthracene	2016-06	ug/L					< 11.4							
Benzo(a)anthracene	2016-08	ug/L					< 11							
Benzo(a)anthracene	2018-11	ug/L											< 11.6	
Benzo(a)anthracene	2019-03	ug/L											< 12.2	
Benzo(a)anthracene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Benzo(a)anthracene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Benzo(a)pyrene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(a)pyrene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(a)pyrene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Benzo(a)pyrene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Benzo(a)pyrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Benzo(a)pyrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Benzo(a)pyrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Benzo(a)pyrene	2015-06	ug/L						< 10.5	< 11.1					
Benzo(a)pyrene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Benzo(a)pyrene	2015-10	ug/L			< 10.3	< 10.5								
Benzo(a)pyrene	2016-03	ug/L												
Benzo(a)pyrene	2016-06	ug/L					< 11.4							
Benzo(a)pyrene	2016-08	ug/L					< 11							
Benzo(a)pyrene	2018-11	ug/L											< 11.6	
Benzo(a)pyrene	2019-03	ug/L											< 12.2	
Benzo(a)pyrene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Benzo(a)pyrene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Benzo(b)fluoranthene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(b)fluoranthene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(b)fluoranthene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Benzo(b)fluoranthene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Benzo(b)fluoranthene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Benzo(b)fluoranthene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Benzo(b)fluoranthene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Benzo(b)fluoranthene	2015-06	ug/L						< 10.5	< 11.1					
Benzo(b)fluoranthene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Benzo(b)fluoranthene	2015-10	ug/L			< 10.3	< 10.5								
Benzo(b)fluoranthene	2016-03	ug/L												
Benzo(b)fluoranthene	2016-06	ug/L					< 11.4							
Benzo(b)fluoranthene	2016-08	ug/L					< 11							
Benzo(b)fluoranthene	2018-11	ug/L											< 11.6	
Benzo(b)fluoranthene	2019-03	ug/L											< 12.2	
Benzo(b)fluoranthene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Benzo(b)fluoranthene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Benzo(ghi)perylene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(ghi)perylene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(ghi)perylene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Benzo(ghi)perylene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Benzo(ghi)perylene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Benzo(ghi)perylene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Benzo(ghi)perylene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Benzo(ghi)perylene	2012-03	ug/L												
Benzo(ghi)perylene	2012-09	ug/L												
Benzo(ghi)perylene	2013-03	ug/L												
Benzo(ghi)perylene	2015-06	ug/L						< 10.5	< 11.1					
Benzo(ghi)perylene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Benzo(ghi)perylene	2015-10	ug/L			< 10.3	< 10.5								
Benzo(ghi)perylene	2016-03	ug/L												

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Benzene	2017-11	ug/L										< 0.5	**0.285 J**
Benzene	2018-03	ug/L	**0.387 J**	**0.36 J**	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	< 0.5	< 0.5	**0.257 J**
Benzene	2018-06	ug/L										< 0.5	< 0.5
Benzene	2018-08	ug/L	**0.286 J**	**0.494 J**	< 0.5	< 0.5		< 0.5		< 0.5			
Benzene	2018-09	ug/L									< 0.5	< 0.5	< 0.5
Benzene	2018-11	ug/L										< 0.5	< 0.5
Benzene	2019-03	ug/L	**0.422 J**	**0.264 J**	< 0.5	< 0.5		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
Benzene	2019-04	ug/L											< 0.5
Benzene	2019-08	ug/L	**0.631**	**1.33**	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2020-03	ug/L	**0.316 J**	**0.569**	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2020-04	ug/L											
Benzene	2020-08	ug/L	**0.356 J**	**0.879**	< 0.5	< 0.5	< 0.5			< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2021-03	ug/L	**0.324 J**		< 0.5	< 0.5							< 0.5
Benzene	2021-08	ug/L	< 0.5	**0.326 J**	< 0.5	< 0.5	< 0.5			< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2022-03	ug/L	< 0.5		< 0.5	< 0.5							< 0.5
Benzene	2022-08	ug/L	**0.225 J**	**0.506**	< 0.5	< 0.5	< 0.5			< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2023-03	ug/L	< 0.5		< 0.5	< 0.5							< 0.5
Benzene	2023-08	ug/L	**0.56**	< 0.5	< 0.5	< 0.5	< 0.5			< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2024-03	ug/L	**0.299 J**		< 0.5	< 0.5							< 0.5
Benzene	2024-08	ug/L	**0.299 J**	**0.294 J**	< 0.5	< 0.5	< 0.5			< 0.5	< 0.5	< 0.5	< 0.5
Benzene	2025-03	ug/L	< 0.5		< 0.5	< 0.5							< 0.5
Benzene	2025-08	ug/L	< 0.5	< 0.5	< 0.5 J	< 0.5	< 0.5			< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)anthracene	2008-08	ug/L	< 10	< 10	< 10								
Benzo(a)anthracene	2009-03	ug/L	< 10	< 10	< 10								
Benzo(a)anthracene	2009-07	ug/L	< 10	< 10	< 10.0								
Benzo(a)anthracene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(a)anthracene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(a)anthracene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(a)anthracene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(a)anthracene	2015-06	ug/L											
Benzo(a)anthracene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Benzo(a)anthracene	2015-10	ug/L				< 10.6							
Benzo(a)anthracene	2016-03	ug/L			< 10	< 10							
Benzo(a)anthracene	2016-06	ug/L											
Benzo(a)anthracene	2016-08	ug/L			< 11.1	< 11.5							
Benzo(a)anthracene	2018-11	ug/L											
Benzo(a)anthracene	2019-03	ug/L											
Benzo(a)anthracene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Benzo(a)anthracene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Benzo(a)pyrene	2008-08	ug/L	< 10	< 10	< 10								
Benzo(a)pyrene	2009-03	ug/L	< 10	< 10	< 10								
Benzo(a)pyrene	2009-07	ug/L	< 10	< 10	< 10.0								
Benzo(a)pyrene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(a)pyrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(a)pyrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(a)pyrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(a)pyrene	2015-06	ug/L											
Benzo(a)pyrene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Benzo(a)pyrene	2015-10	ug/L				< 10.6							
Benzo(a)pyrene	2016-03	ug/L			< 10	< 10							
Benzo(a)pyrene	2016-06	ug/L											
Benzo(a)pyrene	2016-08	ug/L			< 11.1	< 11.5							
Benzo(a)pyrene	2018-11	ug/L											
Benzo(a)pyrene	2019-03	ug/L											
Benzo(a)pyrene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Benzo(a)pyrene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Benzo(b)fluoranthene	2008-08	ug/L	< 10	< 10	< 10								
Benzo(b)fluoranthene	2009-03	ug/L	< 10	< 10	< 10								
Benzo(b)fluoranthene	2009-07	ug/L	< 10	< 10	< 10.0								
Benzo(b)fluoranthene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(b)fluoranthene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(b)fluoranthene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(b)fluoranthene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(b)fluoranthene	2015-06	ug/L											
Benzo(b)fluoranthene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Benzo(b)fluoranthene	2015-10	ug/L				< 10.6							
Benzo(b)fluoranthene	2016-03	ug/L			< 10	< 10							
Benzo(b)fluoranthene	2016-06	ug/L											
Benzo(b)fluoranthene	2016-08	ug/L			< 11.1	< 11.5							
Benzo(b)fluoranthene	2018-11	ug/L											
Benzo(b)fluoranthene	2019-03	ug/L											
Benzo(b)fluoranthene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Benzo(b)fluoranthene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Benzo(ghi)perylene	2008-08	ug/L	< 10	< 10	< 10								
Benzo(ghi)perylene	2009-03	ug/L	< 10	< 10	< 10								
Benzo(ghi)perylene	2009-07	ug/L	< 10	< 10	< 10.0								
Benzo(ghi)perylene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(ghi)perylene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(ghi)perylene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(ghi)perylene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(ghi)perylene	2012-03	ug/L			< 10.0								
Benzo(ghi)perylene	2012-09	ug/L			< 10.0								
Benzo(ghi)perylene	2013-03	ug/L			< 10.4								
Benzo(ghi)perylene	2015-06	ug/L											
Benzo(ghi)perylene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Benzo(ghi)perylene	2015-10	ug/L				< 10.6							
Benzo(ghi)perylene	2016-03	ug/L			< 10	< 10							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(ghi)perylene	2016-06	ug/L					< 11.4							
Benzo(ghi)perylene	2016-08	ug/L					< 11							
Benzo(ghi)perylene	2018-11	ug/L											< 11.6	
Benzo(ghi)perylene	2019-03	ug/L											< 12.2	
Benzo(ghi)perylene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Benzo(ghi)perylene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Benzo(k)fluoranthene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(k)fluoranthene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(k)fluoranthene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Benzo(k)fluoranthene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Benzo(k)fluoranthene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Benzo(k)fluoranthene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Benzo(k)fluoranthene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Benzo(k)fluoranthene	2015-06	ug/L						< 10.5	< 11.1					
Benzo(k)fluoranthene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Benzo(k)fluoranthene	2015-10	ug/L			< 10.3	< 10.5								
Benzo(k)fluoranthene	2016-03	ug/L												
Benzo(k)fluoranthene	2016-06	ug/L					< 11.4							
Benzo(k)fluoranthene	2016-08	ug/L					< 11							
Benzo(k)fluoranthene	2018-11	ug/L											< 11.6	
Benzo(k)fluoranthene	2019-03	ug/L											< 12.2	
Benzo(k)fluoranthene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Benzo(k)fluoranthene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Benzyl Alcohol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzyl Alcohol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**1.45 J**	< 10	< 10
Benzyl Alcohol	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Benzyl Alcohol	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Benzyl Alcohol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	**0.184 J**	< 10.0	< 10.0
Benzyl Alcohol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Benzyl Alcohol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Benzyl Alcohol	2012-03	ug/L										< 10.0		
Benzyl Alcohol	2012-09	ug/L										< 10.0		
Benzyl Alcohol	2013-03	ug/L										< 10.5		
Benzyl Alcohol	2013-09	ug/L										< 11.1		
Benzyl Alcohol	2015-06	ug/L						< 10.5	< 11.1					
Benzyl Alcohol	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Benzyl Alcohol	2015-10	ug/L			< 10.3	< 10.5								
Benzyl Alcohol	2016-03	ug/L												
Benzyl Alcohol	2016-06	ug/L					< 11.4							
Benzyl Alcohol	2016-08	ug/L					< 11							
Benzyl Alcohol	2018-11	ug/L											< 11.6	
Benzyl Alcohol	2019-03	ug/L											< 12.2	
Benzyl Alcohol	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Benzyl Alcohol	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Beryllium	2008-08	mg/L	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Beryllium	2009-03	mg/L	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Beryllium	2009-07	mg/L	< 0.004	< 0.004	< 0.004	< 0.004		< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Beryllium	2009-09	mg/L	< 0.00100	< 0.001		< 0.00100		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Beryllium	2010-03	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Beryllium	2010-09	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Beryllium	2011-03	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Beryllium	2011-09	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Beryllium	2012-03	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Beryllium	2012-09	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Beryllium	2013-03	mg/L	< 0.00100	< 0.00100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.00100	< 0.001	< 0.001	< 0.001
Beryllium	2013-09	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Beryllium	2013-11	mg/L												
Beryllium	2014-03	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Beryllium	2014-06	mg/L												
Beryllium	2014-09	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2015-03	mg/L	< 0.00100	< 0.001	< 0.00100	< 0.00100	< 0.001	< 0.001	< 0.00100	< 0.00100	< 0.001	< 0.001	< 0.00100	< 0.00100
Beryllium	2015-06	mg/L						< 0.001	< 0.001					
Beryllium	2015-09	mg/L	< 0.001	< 0.001			< 0.001	**0.000044 J**	< 0.001	**0.000052 J**	< 0.001	< 0.001		
Beryllium	2015-10	mg/L			< 0.001	**0.00005 J**							< 0.001	< 0.001
Beryllium	2016-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2016-06	mg/L					< 0.001							
Beryllium	2016-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2017-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2017-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2017-11	mg/L												
Beryllium	2018-03	mg/L	< 0.001	< 0.001	**0.000157 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2018-06	mg/L												
Beryllium	2018-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2018-09	mg/L							< 0.001	< 0.001				
Beryllium	2018-11	mg/L											< 0.001	
Beryllium	2019-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2019-04	mg/L												
Beryllium	2019-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2020-03	mg/L		< 0.001		< 0.001	< 0.004	< 0.001	< 0.004	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2020-04	mg/L	< 0.001		< 0.001									
Beryllium	2020-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001
Beryllium	2021-03	mg/L				< 0.001								
Beryllium	2021-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001
Beryllium	2022-03	mg/L				< 0.001								
Beryllium	2022-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001
Beryllium	2023-03	mg/L				< 0.001								
Beryllium	2023-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Benzo(ghi)perylene	2016-06	ug/L											
Benzo(ghi)perylene	2016-08	ug/L			< 11.1	< 11.5							
Benzo(ghi)perylene	2018-11	ug/L											
Benzo(ghi)perylene	2019-03	ug/L											
Benzo(ghi)perylene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Benzo(ghi)perylene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Benzo(k)fluoranthene	2008-08	ug/L	< 10	< 10	< 10								
Benzo(k)fluoranthene	2009-03	ug/L	< 10	< 10	< 10								
Benzo(k)fluoranthene	2009-07	ug/L	< 10	< 10	< 10.0								
Benzo(k)fluoranthene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(k)fluoranthene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(k)fluoranthene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(k)fluoranthene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Benzo(k)fluoranthene	2015-06	ug/L											
Benzo(k)fluoranthene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Benzo(k)fluoranthene	2015-10	ug/L				< 10.6							
Benzo(k)fluoranthene	2016-03	ug/L			< 10	< 10							
Benzo(k)fluoranthene	2016-06	ug/L											
Benzo(k)fluoranthene	2016-08	ug/L			< 11.1	< 11.5							
Benzo(k)fluoranthene	2018-11	ug/L											
Benzo(k)fluoranthene	2019-03	ug/L											
Benzo(k)fluoranthene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Benzo(k)fluoranthene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Benzyl Alcohol	2008-08	ug/L	< 10	< 10	< 10								
Benzyl Alcohol	2009-03	ug/L	< 10	< 10	< 10								
Benzyl Alcohol	2009-07	ug/L	< 10	< 10	< 10.0								
Benzyl Alcohol	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Benzyl Alcohol	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Benzyl Alcohol	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Benzyl Alcohol	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Benzyl Alcohol	2012-03	ug/L			< 10.0								
Benzyl Alcohol	2012-09	ug/L			< 10.0								
Benzyl Alcohol	2013-03	ug/L			< 10.4								
Benzyl Alcohol	2013-09	ug/L											
Benzyl Alcohol	2015-06	ug/L											
Benzyl Alcohol	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Benzyl Alcohol	2015-10	ug/L				< 10.6							
Benzyl Alcohol	2016-03	ug/L			< 10	< 10							
Benzyl Alcohol	2016-06	ug/L											
Benzyl Alcohol	2016-08	ug/L			< 11.1	< 11.5							
Benzyl Alcohol	2018-11	ug/L											
Benzyl Alcohol	2019-03	ug/L											
Benzyl Alcohol	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Benzyl Alcohol	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Beryllium	2008-08	mg/L	< 0.004	< 0.004	~~< 0.004~~								
Beryllium	2009-03	mg/L	< 0.004	< 0.004	~~< 0.004~~								
Beryllium	2009-07	mg/L	< 0.004	< 0.004	~~< 0.004~~								
Beryllium	2009-09	mg/L	< 0.00100	< 0.00100	< 0.00100								
Beryllium	2010-03	mg/L	< 0.00100	< 0.00100	< 0.00100								
Beryllium	2010-09	mg/L	< 0.00100	< 0.00100	< 0.00100								
Beryllium	2011-03	mg/L	< 0.00100	< 0.00100	< 0.00100								
Beryllium	2011-09	mg/L	< 0.00100	< 0.00100	< 0.00100								
Beryllium	2012-03	mg/L	< 0.00100	< 0.00100	< 0.00100								
Beryllium	2012-09	mg/L	< 0.00100	< 0.00100	< 0.00100								
Beryllium	2013-03	mg/L	< 0.001	< 0.001	< 0.00100								
Beryllium	2013-09	mg/L	< 0.00100	< 0.00100	< 0.00100	~~**0.000364 J**~~	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100		
Beryllium	2013-11	mg/L				~~**0.00141**~~	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100		
Beryllium	2014-03	mg/L	< 0.00100	< 0.00100	< 0.00100	~~< 0.00100~~	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100		
Beryllium	2014-06	mg/L				~~< 0.00100~~	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100		
Beryllium	2014-09	mg/L	< 0.001	< 0.001	< 0.001	~~**0.000071 J**~~	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Beryllium	2015-03	mg/L	< 0.00100	< 0.00100	< 0.001	~~**0.0000470 J**~~	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100		
Beryllium	2015-06	mg/L											
Beryllium	2015-09	mg/L	< 0.001	< 0.001	< 0.001								
Beryllium	2015-10	mg/L				< 0.001	< 0.001	**0.000047 J**		< 0.001	< 0.001		
Beryllium	2016-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001		
Beryllium	2016-06	mg/L											
Beryllium	2016-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001		
Beryllium	2017-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001		
Beryllium	2017-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001		
Beryllium	2017-11	mg/L										< 0.001	< 0.001
Beryllium	2018-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2018-06	mg/L										< 0.001	< 0.001
Beryllium	2018-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001		< 0.001			
Beryllium	2018-09	mg/L									< 0.001	< 0.001	< 0.001
Beryllium	2018-11	mg/L										< 0.001	< 0.001
Beryllium	2019-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
Beryllium	2019-04	mg/L											< 0.001
Beryllium	2019-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2020-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2020-04	mg/L											
Beryllium	2020-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2021-03	mg/L	< 0.001		< 0.001	< 0.001							< 0.001
Beryllium	2021-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			**0.00112**	< 0.001	< 0.001	< 0.001
Beryllium	2022-03	mg/L	< 0.001		< 0.001	< 0.001							< 0.001
Beryllium	2022-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2023-03	mg/L	< 0.001		< 0.001	< 0.001							< 0.001
Beryllium	2023-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	2024-03	mg/L				< 0.001								
Beryllium	2024-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001
Beryllium	2025-03	mg/L				< 0.001								
Beryllium	2025-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001
beta-BHC	2008-08	ug/L	< 0.054	< 0.053	< 0.047	< 0.047	< 0.052	< 0.053	< 0.054	< 0.056	< 0.053		< 0.053	
beta-BHC	2008-09	ug/L										< 0.016		< 0.016
beta-BHC	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
beta-BHC	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
beta-BHC	2012-03	ug/L												
beta-BHC	2013-03	ug/L												
beta-BHC	2014-03	ug/L												
beta-BHC	2014-09	ug/L												
beta-BHC	2015-03	ug/L												
beta-BHC	2015-06	ug/L						< 0.0348	**0.00666 J**					
beta-BHC	2015-09	ug/L	< 0.0356	**0.0243 J**				< 0.036	< 0.0327	**0.0081 J**	< 0.0352			
beta-BHC	2015-10	ug/L			< 0.0372	< 0.0364								
beta-BHC	2016-03	ug/L												
beta-BHC	2016-06	ug/L					< 0.0364							
beta-BHC	2016-08	ug/L					< 0.0337							
beta-BHC	2017-03	ug/L												
beta-BHC	2017-08	ug/L												
beta-BHC	2018-11	ug/L											< 0.036	
beta-BHC	2019-03	ug/L											< 0.0372	
beta-BHC	2020-08	ug/L	**0.00588 J**	**0.00825 J**	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.039	**0.0166 J**	< 0.039			
beta-BHC	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	< 0.0941	< 0.097	< 0.0897	< 0.0951			
bis(2-Chloroethoxy)methane	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
bis(2-Chloroethoxy)methane	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
bis(2-Chloroethoxy)methane	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
bis(2-Chloroethoxy)methane	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
bis(2-Chloroethoxy)methane	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
bis(2-Chloroethoxy)methane	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
bis(2-Chloroethoxy)methane	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
bis(2-Chloroethoxy)methane	2015-06	ug/L						< 10.5	< 11.1					
bis(2-Chloroethoxy)methane	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
bis(2-Chloroethoxy)methane	2015-10	ug/L			< 10.3	< 10.5								
bis(2-Chloroethoxy)methane	2016-03	ug/L												
bis(2-Chloroethoxy)methane	2016-06	ug/L					< 11.4							
bis(2-Chloroethoxy)methane	2016-08	ug/L					< 11							
bis(2-Chloroethoxy)methane	2018-11	ug/L											< 11.6	
bis(2-Chloroethoxy)methane	2019-03	ug/L											< 12.2	
bis(2-Chloroethoxy)methane	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
bis(2-Chloroethoxy)methane	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
bis(2-Chloroethyl)ether	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
bis(2-Chloroethyl)ether	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
bis(2-Chloroethyl)ether	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
bis(2-Chloroethyl)ether	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
bis(2-Chloroethyl)ether	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
bis(2-Chloroethyl)ether	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
bis(2-Chloroethyl)ether	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
bis(2-Chloroethyl)ether	2012-03	ug/L												
bis(2-Chloroethyl)ether	2012-09	ug/L												
bis(2-Chloroethyl)ether	2013-03	ug/L												
bis(2-Chloroethyl)ether	2015-06	ug/L						< 10.5	< 11.1					
bis(2-Chloroethyl)ether	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
bis(2-Chloroethyl)ether	2015-10	ug/L			< 10.3	< 10.5								
bis(2-Chloroethyl)ether	2016-03	ug/L												
bis(2-Chloroethyl)ether	2016-06	ug/L					< 11.4							
bis(2-Chloroethyl)ether	2016-08	ug/L					< 11							
bis(2-Chloroethyl)ether	2018-11	ug/L											< 11.6	
bis(2-Chloroethyl)ether	2019-03	ug/L											< 12.2	
bis(2-Chloroethyl)ether	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
bis(2-Chloroethyl)ether	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
bis(2-Ethylhexyl)phthalate	2008-08	ug/L	**4.49 J**	**1.93 J**	**3.03 J**	< 10	**5.72 J**	**3.97 J**	**7.35 J**	< 10	**5.26 J**	**11.2**	**13**	**4.25 J**
bis(2-Ethylhexyl)phthalate	2009-03	ug/L	**7.6 J**	**23.5**	**9.91 J**	**4.45 J**	**7.17 J**	**23.6**	**10**	**3.93 J**	**9.43 J**	**15.1**	**10.7**	**15**
bis(2-Ethylhexyl)phthalate	2009-07	ug/L	**5.87 J**	**4.17 J**	**6.13 J**	< 10	**11.1**	**5.5 J**	**7.34 J**	**5.56 J**	**7.63 J**	**9.64 J**	< 10	**3.07 J**
bis(2-Ethylhexyl)phthalate	2009-09	ug/L	**10.9**	**4.03 J**	**12.4**	**0.449 J**	**19.7**	**8.99 J**	**23.6**	**33**	**25.8**	**1.12 J**	**15.9**	**10.6**
bis(2-Ethylhexyl)phthalate	2010-03	ug/L	**0.500 J**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
bis(2-Ethylhexyl)phthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
bis(2-Ethylhexyl)phthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
bis(2-Ethylhexyl)phthalate	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
bis(2-Ethylhexyl)phthalate	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
bis(2-Ethylhexyl)phthalate	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0			< 10.0	**2.92 J**	< 10.0	< 10.0	**1.03 J**	**7.20 J**
bis(2-Ethylhexyl)phthalate	2013-03	ug/L	< 10.2 J	< 10.2 J	< 10.6 J	< 10.8 J			< 10.9 J	< 10.9 J	< 10.2 J	< 10.5 J	< 10.2 J	< 11.1 J
bis(2-Ethylhexyl)phthalate	2013-09	ug/L	**0.744 J**	**0.496 J**	< 10.8	< 10.9	< 10.2	< 10.2	< 10.2	< 10.3 J	< 10.9	< 11.1 J	< 10.4	< 10.6
bis(2-Ethylhexyl)phthalate	2014-03	ug/L	< 10.9	< 10.2	< 10.6		< 10.6	< 10.6	< 10.2	< 10.5	< 10.4		< 10.8	< 10.4
bis(2-Ethylhexyl)phthalate	2014-09	ug/L	< 10	< 10	< 10		< 10	< 10.5	< 10	< 10	< 10		< 10	< 10.2
bis(2-Ethylhexyl)phthalate	2015-03	ug/L	**0.477 J**	< 10.9 J	< 10.4					< 10.8	< 10.1 J			
bis(2-Ethylhexyl)phthalate	2015-06	ug/L						< 10.5 J	< 11.1 J					
bis(2-Ethylhexyl)phthalate	2015-09	ug/L	< 11.1 J	< 11.2 J				< 11.1 J	< 10.2 J	< 11.2 J	< 11.1 J			
bis(2-Ethylhexyl)phthalate	2015-10	ug/L			< 10.3 J	< 10.5 J								
bis(2-Ethylhexyl)phthalate	2016-03	ug/L	< 11.1 J	< 11.2 J	< 11 J			< 10 J	< 10.6 J	< 11.1 J	< 10 J			
bis(2-Ethylhexyl)phthalate	2016-06	ug/L					< 11.4							
bis(2-Ethylhexyl)phthalate	2016-08	ug/L	< 11	< 11	< 11		< 11	< 10.8	< 10.9	< 11.2	< 11.5			
bis(2-Ethylhexyl)phthalate	2017-03	ug/L	< 10.4	< 10.5	< 10.9		< 10.8	< 11	< 10.4	< 10.4	< 10.5			
bis(2-Ethylhexyl)phthalate	2017-08	ug/L	< 11.1	< 11.1	< 10.8 J		< 10.9	< 10.9	< 11.1 J	< 10.5	< 11.1			
bis(2-Ethylhexyl)phthalate	2018-03	ug/L	< 10.4	< 11.9	< 10.9		< 10.9	< 11.1	< 11.1	< 11.6	< 11.1			
bis(2-Ethylhexyl)phthalate	2018-08	ug/L	< 11.1	< 10.9	< 11.4		< 11.4	< 11			< 11.1			

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Beryllium	2024-03	mg/L	< 0.001		< 0.001	< 0.001							< 0.001
Beryllium	2024-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	2025-03	mg/L	< 0.001		< 0.001	< 0.001							< 0.001
Beryllium	2025-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001
beta-BHC	2008-08	ug/L	< 0.047	< 0.053									
beta-BHC	2008-09	ug/L			< 0.016								
beta-BHC	2009-03	ug/L	< 0.032	< 0.032	< 0.032								
beta-BHC	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
beta-BHC	2012-03	ug/L			< 0.0320								
beta-BHC	2013-03	ug/L			< 0.0344								
beta-BHC	2014-03	ug/L			< 0.0330								
beta-BHC	2014-09	ug/L			< 0.032								
beta-BHC	2015-03	ug/L			< 0.0337								
beta-BHC	2015-06	ug/L											
beta-BHC	2015-09	ug/L	**0.00867 J**	**0.0127 J**	< 0.0352								
beta-BHC	2015-10	ug/L				< 0.0364							
beta-BHC	2016-03	ug/L			< 0.034	< 0.0356							
beta-BHC	2016-06	ug/L											
beta-BHC	2016-08	ug/L			< 0.0356	< 0.0327							
beta-BHC	2017-03	ug/L			< 0.0337	< 0.0356							
beta-BHC	2017-08	ug/L			< 0.0337	< 0.0344							
beta-BHC	2018-11	ug/L											
beta-BHC	2019-03	ug/L											
beta-BHC	2020-08	ug/L	< 0.0376	< 0.039	< 0.039	< 0.0376							
beta-BHC	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
bis(2-Chloroethoxy)methane	2008-08	ug/L	< 10	< 10	< 10								
bis(2-Chloroethoxy)methane	2009-03	ug/L	< 10	< 10	< 10								
bis(2-Chloroethoxy)methane	2009-07	ug/L	< 10	< 10	< 10.0								
bis(2-Chloroethoxy)methane	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
bis(2-Chloroethoxy)methane	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
bis(2-Chloroethoxy)methane	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
bis(2-Chloroethoxy)methane	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
bis(2-Chloroethoxy)methane	2015-06	ug/L											
bis(2-Chloroethoxy)methane	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
bis(2-Chloroethoxy)methane	2015-10	ug/L				< 10.6							
bis(2-Chloroethoxy)methane	2016-03	ug/L			< 10	< 10							
bis(2-Chloroethoxy)methane	2016-06	ug/L											
bis(2-Chloroethoxy)methane	2016-08	ug/L			< 11.1	< 11.5							
bis(2-Chloroethoxy)methane	2018-11	ug/L											
bis(2-Chloroethoxy)methane	2019-03	ug/L											
bis(2-Chloroethoxy)methane	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
bis(2-Chloroethoxy)methane	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
bis(2-Chloroethyl)ether	2008-08	ug/L	< 10	< 10	< 10								
bis(2-Chloroethyl)ether	2009-03	ug/L	< 10	< 10	< 10								
bis(2-Chloroethyl)ether	2009-07	ug/L	< 10	< 10	< 10.0								
bis(2-Chloroethyl)ether	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
bis(2-Chloroethyl)ether	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
bis(2-Chloroethyl)ether	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
bis(2-Chloroethyl)ether	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
bis(2-Chloroethyl)ether	2012-03	ug/L			< 10.0								
bis(2-Chloroethyl)ether	2012-09	ug/L			< 10.0								
bis(2-Chloroethyl)ether	2013-03	ug/L			< 10.4								
bis(2-Chloroethyl)ether	2015-06	ug/L											
bis(2-Chloroethyl)ether	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
bis(2-Chloroethyl)ether	2015-10	ug/L				< 10.6							
bis(2-Chloroethyl)ether	2016-03	ug/L			< 10	< 10							
bis(2-Chloroethyl)ether	2016-06	ug/L											
bis(2-Chloroethyl)ether	2016-08	ug/L			< 11.1	< 11.5							
bis(2-Chloroethyl)ether	2018-11	ug/L											
bis(2-Chloroethyl)ether	2019-03	ug/L											
bis(2-Chloroethyl)ether	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
bis(2-Chloroethyl)ether	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
bis(2-Ethylhexyl)phthalate	2008-08	ug/L	**4.44 J**	**3.61 J**	**25.4**								
bis(2-Ethylhexyl)phthalate	2009-03	ug/L	**2.78 J**	**38.5**	**9.28 J**								
bis(2-Ethylhexyl)phthalate	2009-07	ug/L	**8.31 J**	< 10	**0.423 J**								
bis(2-Ethylhexyl)phthalate	2009-09	ug/L	**11.4**	**14.0**	**13.5**								
bis(2-Ethylhexyl)phthalate	2010-03	ug/L	**0.390 J**	< 10.0	< 10.0								
bis(2-Ethylhexyl)phthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
bis(2-Ethylhexyl)phthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
bis(2-Ethylhexyl)phthalate	2011-09	ug/L	< 10.0	< 10.0	< 10.0								
bis(2-Ethylhexyl)phthalate	2012-03	ug/L	< 10.0	< 10.0	< 10.0								
bis(2-Ethylhexyl)phthalate	2012-09	ug/L	< 10.0	**0.761 J**	< 10.0								
bis(2-Ethylhexyl)phthalate	2013-03	ug/L	< 10.5 J	< 21.5	< 10.4 J								
bis(2-Ethylhexyl)phthalate	2013-09	ug/L	**0.457 J**	**0.470 J**	< 10.2								
bis(2-Ethylhexyl)phthalate	2014-03	ug/L	< 10.3	< 10.3	< 10.2								
bis(2-Ethylhexyl)phthalate	2014-09	ug/L	< 10.4	< 10	< 10								
bis(2-Ethylhexyl)phthalate	2015-03	ug/L	< 11.0	**0.681 J**	< 10.6 J								
bis(2-Ethylhexyl)phthalate	2015-06	ug/L											
bis(2-Ethylhexyl)phthalate	2015-09	ug/L	**12.1**	< 10.5 J	< 11.2 J								
bis(2-Ethylhexyl)phthalate	2015-10	ug/L				< 10.6 J							
bis(2-Ethylhexyl)phthalate	2016-03	ug/L	< 10 J	< 11 J	< 10 J	< 10 J							
bis(2-Ethylhexyl)phthalate	2016-06	ug/L											
bis(2-Ethylhexyl)phthalate	2016-08	ug/L	< 11.1	< 10.6	< 11.1	< 11.5							
bis(2-Ethylhexyl)phthalate	2017-03	ug/L	< 10.5	< 10.5	< 10.2	< 11.4							
bis(2-Ethylhexyl)phthalate	2017-08	ug/L	< 10.9 J	< 11.1	< 10.6	< 11.1							
bis(2-Ethylhexyl)phthalate	2018-03	ug/L	< 11.1	< 11	< 11.2	< 12							
bis(2-Ethylhexyl)phthalate	2018-08	ug/L	< 11.1	< 11.1	< 11	< 11.1							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
bis(2-Ethylhexyl)phthalate	2018-09	ug/L							< 10.9	< 11				
bis(2-Ethylhexyl)phthalate	2018-11	ug/L											< 11.6	
bis(2-Ethylhexyl)phthalate	2019-03	ug/L	< 11	< 11.5	< 11		< 11	< 11.1	< 11	< 11.5	< 11.5		< 12.2	
bis(2-Ethylhexyl)phthalate	2019-08	ug/L	< 10.9	< 10.6	< 10.6		< 10.8	< 10.8	< 10.7	< 50.8	**2.47 J**		< 10.5	
bis(2-Ethylhexyl)phthalate	2020-03	ug/L		< 11.2			< 11.1	< 10.8	< 10.9	< 10.9	< 10.8		< 11.2	
bis(2-Ethylhexyl)phthalate	2020-04	ug/L	< 10.6		< 10.5									
bis(2-Ethylhexyl)phthalate	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
bis(2-Ethylhexyl)phthalate	2021-03	ug/L												
bis(2-Ethylhexyl)phthalate	2021-08	ug/L	< 11.5	< 11.1	< 11.6		< 11.1	< 11.6	< 11	< 11.6	< 11.2			
bis(2-Ethylhexyl)phthalate	2022-03	ug/L												
bis(2-Ethylhexyl)phthalate	2022-08	ug/L	< 10	< 10.4	< 10		< 10	< 10	< 10	< 10	< 10.4			
bis(2-Ethylhexyl)phthalate	2023-03	ug/L												
bis(2-Ethylhexyl)phthalate	2023-08	ug/L	< 10.9	< 10.9	< 9.43		< 11.4	< 11.1	< 10	< 11.1	< 11.6			
bis(2-Ethylhexyl)phthalate	2024-03	ug/L												
bis(2-Ethylhexyl)phthalate	2024-08	ug/L	< 10	< 10.4	< 10.4		< 12.5	< 10.9	< 10.4	< 9.62	< 10.4			
bis(2-Ethylhexyl)phthalate	2025-03	ug/L												
bis(2-Ethylhexyl)phthalate	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Bromochloromethane	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2009-07	ug/L	< 5	< 5	< 5	< 5		< 5	< 5.00	< 5.00	< 5			
Bromochloromethane	2009-09	ug/L	< 5.00	< 5	< 5.00	< 25.0		< 5	< 5	< 5	< 5			
Bromochloromethane	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromochloromethane	2010-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00				< 5.00				
Bromochloromethane	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromochloromethane	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromochloromethane	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromochloromethane	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromochloromethane	2013-03	ug/L	< 5.00	< 5.00	< 5	< 5	< 5	< 5	< 5	< 5	< 5.00	< 5	< 5	< 5
Bromochloromethane	2013-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromochloromethane	2013-11	ug/L												
Bromochloromethane	2014-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromochloromethane	2014-06	ug/L												
Bromochloromethane	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2015-03	ug/L	< 5.00	< 5	< 5.00	< 5.00	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5.00	< 5.00
Bromochloromethane	2015-06	ug/L						< 5	< 5					
Bromochloromethane	2015-09	ug/L	< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5		
Bromochloromethane	2015-10	ug/L			< 5	< 5							< 5	< 5
Bromochloromethane	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2016-06	ug/L					< 5							
Bromochloromethane	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2017-11	ug/L												
Bromochloromethane	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2018-06	ug/L												
Bromochloromethane	2018-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Bromochloromethane	2018-09	ug/L							< 5	< 5				
Bromochloromethane	2018-11	ug/L											< 5	
Bromochloromethane	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2019-04	ug/L												
Bromochloromethane	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2020-03	ug/L		< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	2020-04	ug/L	< 5		< 5									
Bromochloromethane	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Bromochloromethane	2021-03	ug/L				< 5								
Bromochloromethane	2021-08	ug/L	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Bromochloromethane	2022-03	ug/L				< 5								
Bromochloromethane	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Bromochloromethane	2023-03	ug/L				< 5								
Bromochloromethane	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Bromochloromethane	2024-03	ug/L				< 5								
Bromochloromethane	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Bromochloromethane	2025-03	ug/L				< 5								
Bromochloromethane	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Bromodichloromethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
Bromodichloromethane	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
Bromodichloromethane	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromodichloromethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromodichloromethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromodichloromethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromodichloromethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromodichloromethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromodichloromethane	2013-03	ug/L	< 1.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1	< 1	< 1
Bromodichloromethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromodichloromethane	2013-11	ug/L												
Bromodichloromethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromodichloromethane	2014-06	ug/L												
Bromodichloromethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2015-03	ug/L	< 1.00	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00
Bromodichloromethane	2015-06	ug/L						< 1	< 1					
Bromodichloromethane	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
Bromodichloromethane	2015-10	ug/L			< 1	< 1							< 1	< 1
Bromodichloromethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2016-06	ug/L					< 1							
Bromodichloromethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
bis(2-Ethylhexyl)phthalate	2018-09	ug/L											
bis(2-Ethylhexyl)phthalate	2018-11	ug/L											
bis(2-Ethylhexyl)phthalate	2019-03	ug/L	< 111	< 11.4	< 11.5	< 10.9							
bis(2-Ethylhexyl)phthalate	2019-08	ug/L	< 10.5	< 10.5	< 10.7	< 10.2							
bis(2-Ethylhexyl)phthalate	2020-03	ug/L	< 10.5	< 10.8	< 11.1	< 11.6							
bis(2-Ethylhexyl)phthalate	2020-04	ug/L											
bis(2-Ethylhexyl)phthalate	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
bis(2-Ethylhexyl)phthalate	2021-03	ug/L	< 11.8		< 11.8	< 11.8							
bis(2-Ethylhexyl)phthalate	2021-08	ug/L	< 10.6	< 12.5	< 11.8	< 11							
bis(2-Ethylhexyl)phthalate	2022-03	ug/L	< 10		< 12.5	< 11.9							
bis(2-Ethylhexyl)phthalate	2022-08	ug/L	< 10.6	< 10.4	< 10.2	< 10.4							
bis(2-Ethylhexyl)phthalate	2023-03	ug/L	< 11.1		< 10.6	< 10.6							
bis(2-Ethylhexyl)phthalate	2023-08	ug/L	< 10.9	< 10	< 9.8	< 11.6							
bis(2-Ethylhexyl)phthalate	2024-03	ug/L	< 10		< 10.2	< 10.6							
bis(2-Ethylhexyl)phthalate	2024-08	ug/L	< 10	< 10	< 10	< 10.4							
bis(2-Ethylhexyl)phthalate	2025-03	ug/L	< 10.2		< 10.4	< 10.4							
bis(2-Ethylhexyl)phthalate	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Bromochloromethane	2008-08	ug/L	< 5	< 5	< 5								
Bromochloromethane	2009-03	ug/L	< 5	< 5	< 5								
Bromochloromethane	2009-07	ug/L	< 5	< 5									
Bromochloromethane	2009-09	ug/L	< 5.00	< 5.00	< 5.00								
Bromochloromethane	2010-03	ug/L	< 5.00	< 5.00	< 5.00								
Bromochloromethane	2010-09	ug/L	< 5.00	< 5.00	< 5.00								
Bromochloromethane	2011-03	ug/L	< 5.00	< 5.00	< 5.00								
Bromochloromethane	2011-09	ug/L	< 5.00	< 5.00	< 5.00								
Bromochloromethane	2012-03	ug/L	< 5.00	< 5.00	< 5.00								
Bromochloromethane	2012-09	ug/L	< 5.00	< 5.00	< 5.00								
Bromochloromethane	2013-03	ug/L	< 5	< 5	< 5.00								
Bromochloromethane	2013-09	ug/L	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromochloromethane	2013-11	ug/L					< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromochloromethane	2014-03	ug/L	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromochloromethane	2014-06	ug/L					< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromochloromethane	2014-09	ug/L	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5		
Bromochloromethane	2015-03	ug/L	< 5.00	< 5.00	< 5		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromochloromethane	2015-06	ug/L											
Bromochloromethane	2015-09	ug/L	< 5	< 5	< 5								
Bromochloromethane	2015-10	ug/L				< 5	< 5	< 5		< 5	< 5		
Bromochloromethane	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
Bromochloromethane	2016-06	ug/L											
Bromochloromethane	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
Bromochloromethane	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
Bromochloromethane	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
Bromochloromethane	2017-11	ug/L										< 5	< 5
Bromochloromethane	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
Bromochloromethane	2018-06	ug/L										< 5	< 5
Bromochloromethane	2018-08	ug/L	< 5	< 5	< 5	< 5		< 5		< 5			
Bromochloromethane	2018-09	ug/L									< 5	< 5	< 5
Bromochloromethane	2018-11	ug/L										< 5	< 5
Bromochloromethane	2019-03	ug/L	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	
Bromochloromethane	2019-04	ug/L											< 5
Bromochloromethane	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
Bromochloromethane	2020-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
Bromochloromethane	2020-04	ug/L											
Bromochloromethane	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Bromochloromethane	2021-03	ug/L	< 5		< 5	< 5							< 5
Bromochloromethane	2021-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Bromochloromethane	2022-03	ug/L	< 5		< 5	< 5							< 5
Bromochloromethane	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Bromochloromethane	2023-03	ug/L	< 5		< 5	< 5							< 5
Bromochloromethane	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Bromochloromethane	2024-03	ug/L	< 5		< 5	< 5							< 5
Bromochloromethane	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Bromochloromethane	2025-03	ug/L	< 5		< 5	< 5							< 5
Bromochloromethane	2025-08	ug/L	< 5	< 5	< 5 J	< 5	< 5			< 5	< 5	< 5	< 5
Bromodichloromethane	2008-08	ug/L	< 1	< 1	< 1								
Bromodichloromethane	2009-03	ug/L	< 1	< 1	< 1								
Bromodichloromethane	2009-07	ug/L	< 1	< 1									
Bromodichloromethane	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
Bromodichloromethane	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
Bromodichloromethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
Bromodichloromethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
Bromodichloromethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00								
Bromodichloromethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
Bromodichloromethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00								
Bromodichloromethane	2013-03	ug/L	< 1	< 1	< 1.00								
Bromodichloromethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Bromodichloromethane	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Bromodichloromethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Bromodichloromethane	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Bromodichloromethane	2014-09	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
Bromodichloromethane	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Bromodichloromethane	2015-06	ug/L											
Bromodichloromethane	2015-09	ug/L	< 1	< 1	< 1								
Bromodichloromethane	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
Bromodichloromethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Bromodichloromethane	2016-06	ug/L											
Bromodichloromethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2017-11	ug/L												
Bromodichloromethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2018-06	ug/L												
Bromodichloromethane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Bromodichloromethane	2018-09	ug/L							< 1	< 1				
Bromodichloromethane	2018-11	ug/L											< 1	
Bromodichloromethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2019-04	ug/L												
Bromodichloromethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2020-03	ug/L		< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	2020-04	ug/L	< 1		< 1									
Bromodichloromethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Bromodichloromethane	2021-03	ug/L				< 1								
Bromodichloromethane	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Bromodichloromethane	2022-03	ug/L				< 1								
Bromodichloromethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Bromodichloromethane	2023-03	ug/L				< 1								
Bromodichloromethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Bromodichloromethane	2024-03	ug/L				< 1								
Bromodichloromethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Bromodichloromethane	2025-03	ug/L				< 1								
Bromodichloromethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Bromoform	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2009-07	ug/L	< 5	< 5	< 5	< 5		< 5	< 5.00	< 5.00	< 5			
Bromoform	2009-09	ug/L	< 5.00	< 5	< 5.00	< 25.0		< 5	< 5	< 5	< 5			
Bromoform	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	2010-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	2013-03	ug/L	< 5.00	< 5.00	< 5	< 5	< 5	< 5	< 5 J	< 5	< 5.00	< 5	< 5	< 5
Bromoform	2013-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	2013-11	ug/L												
Bromoform	2014-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	2014-06	ug/L												
Bromoform	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2015-03	ug/L	< 5.00	< 5	< 5.00	< 5.00	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5.00	< 5.00
Bromoform	2015-06	ug/L						< 5	< 5					
Bromoform	2015-09	ug/L	< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5		
Bromoform	2015-10	ug/L			< 5	< 5							< 5	< 5
Bromoform	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2016-06	ug/L					< 5							
Bromoform	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2017-11	ug/L												
Bromoform	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2018-06	ug/L												
Bromoform	2018-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Bromoform	2018-09	ug/L							< 5	< 5				
Bromoform	2018-11	ug/L											< 5	
Bromoform	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2019-04	ug/L												
Bromoform	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2020-03	ug/L		< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	2020-04	ug/L	< 5		< 5									
Bromoform	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Bromoform	2021-03	ug/L				< 5								
Bromoform	2021-08	ug/L	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Bromoform	2022-03	ug/L				< 5								
Bromoform	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Bromoform	2023-03	ug/L				< 5								
Bromoform	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Bromoform	2024-03	ug/L				< 5								
Bromoform	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Bromoform	2025-03	ug/L				< 5								
Bromoform	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Bromomethane	2008-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2009-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2009-07	ug/L	< 4	< 4	< 4	< 4		< 4	< 4.00	< 4.00	< 4			
Bromomethane	2009-09	ug/L	< 4.00	< 4	< 4.00	< 20.0		< 4	< 4	< 4	< 4			
Bromomethane	2010-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Bromomethane	2010-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Bromomethane	2011-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Bromomethane	2011-09	ug/L	< 10.0	< 4.00	< 4.00	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 4.00	< 10.0	< 10.0	< 4.00
Bromomethane	2012-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Bromomethane	2012-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Bromomethane	2013-03	ug/L	< 4.00	< 4.00	< 4	< 4	< 4	< 4	< 4	< 4	< 4.00	< 4	< 4	< 4
Bromomethane	2013-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	**3.97 J**	< 4.00	< 4.00	< 4.00	< 4.00
Bromomethane	2013-11	ug/L												
Bromomethane	2014-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Bromomethane	2014-06	ug/L												
Bromomethane	2014-09	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**
Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Bromodichloromethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Bromodichloromethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Bromodichloromethane	2017-11	ug/L										< 1	< 1
Bromodichloromethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Bromodichloromethane	2018-06	ug/L										< 1	< 1
Bromodichloromethane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
Bromodichloromethane	2018-09	ug/L									< 1	< 1	< 1
Bromodichloromethane	2018-11	ug/L										< 1	< 1
Bromodichloromethane	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
Bromodichloromethane	2019-04	ug/L											< 1
Bromodichloromethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Bromodichloromethane	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Bromodichloromethane	2020-04	ug/L											
Bromodichloromethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Bromodichloromethane	2021-03	ug/L	< 1		< 1	< 1							< 1
Bromodichloromethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Bromodichloromethane	2022-03	ug/L	< 1		< 1	< 1							< 1
Bromodichloromethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Bromodichloromethane	2023-03	ug/L	< 1		< 1	< 1							< 1
Bromodichloromethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Bromodichloromethane	2024-03	ug/L	< 1		< 1	< 1							< 1
Bromodichloromethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Bromodichloromethane	2025-03	ug/L	< 1		< 1	< 1							< 1
Bromodichloromethane	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
Bromoform	2008-08	ug/L	< 5	< 5	< 5								
Bromoform	2009-03	ug/L	< 5	< 5	< 5								
Bromoform	2009-07	ug/L	< 5	< 5									
Bromoform	2009-09	ug/L	< 5.00	< 5.00	< 5.00								
Bromoform	2010-03	ug/L	< 5.00	< 5.00	< 5.00								
Bromoform	2010-09	ug/L	< 5.00	< 5.00	< 5.00								
Bromoform	2011-03	ug/L	< 5.00	< 5.00	< 5.00								
Bromoform	2011-09	ug/L	< 5.00	< 5.00	< 5.00								
Bromoform	2012-03	ug/L	< 5.00	< 5.00	< 5.00								
Bromoform	2012-09	ug/L	< 5.00	< 5.00	< 5.00								
Bromoform	2013-03	ug/L	< 5	< 5	< 5.00								
Bromoform	2013-09	ug/L	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromoform	2013-11	ug/L					< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromoform	2014-03	ug/L	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromoform	2014-06	ug/L					< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromoform	2014-09	ug/L	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5		
Bromoform	2015-03	ug/L	< 5.00	< 5.00	< 5		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Bromoform	2015-06	ug/L											
Bromoform	2015-09	ug/L	< 5	< 5	< 5								
Bromoform	2015-10	ug/L				< 5	< 5	< 5		< 5	< 5		
Bromoform	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
Bromoform	2016-06	ug/L											
Bromoform	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
Bromoform	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
Bromoform	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
Bromoform	2017-11	ug/L										< 5	< 5
Bromoform	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
Bromoform	2018-06	ug/L										< 5	< 5
Bromoform	2018-08	ug/L	< 5	< 5	< 5	< 5		< 5		< 5			
Bromoform	2018-09	ug/L									< 5	< 5	< 5
Bromoform	2018-11	ug/L										< 5	< 5
Bromoform	2019-03	ug/L	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	
Bromoform	2019-04	ug/L											< 5
Bromoform	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
Bromoform	2020-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
Bromoform	2020-04	ug/L											
Bromoform	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Bromoform	2021-03	ug/L	< 5		< 5	< 5							< 5
Bromoform	2021-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Bromoform	2022-03	ug/L	< 5		< 5	< 5							< 5
Bromoform	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Bromoform	2023-03	ug/L	< 5		< 5	< 5							< 5
Bromoform	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Bromoform	2024-03	ug/L	< 5		< 5	< 5							< 5
Bromoform	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Bromoform	2025-03	ug/L	< 5		< 5	< 5							< 5
Bromoform	2025-08	ug/L	< 5	< 5	< 5 J	< 5	< 5			< 5	< 5	< 5	< 5
Bromomethane	2008-08	ug/L	< 4	< 4	< 4								
Bromomethane	2009-03	ug/L	< 4	< 4	< 4								
Bromomethane	2009-07	ug/L	< 4	< 4									
Bromomethane	2009-09	ug/L	< 4.00	< 4.00	< 4.00								
Bromomethane	2010-03	ug/L	< 4.00	< 4.00	< 4.00								
Bromomethane	2010-09	ug/L	< 4.00	< 4.00	< 4.00								
Bromomethane	2011-03	ug/L	< 4.00	< 4.00	< 4.00								
Bromomethane	2011-09	ug/L	< 4.00	< 4.00	< 4.00								
Bromomethane	2012-03	ug/L	< 4.00	< 4.00	< 4.00								
Bromomethane	2012-09	ug/L	< 4.00	< 4.00	< 4.00								
Bromomethane	2013-03	ug/L	< 4	< 4	< 4.00								
Bromomethane	2013-09	ug/L	< 4.00	< 4.00	< 4.00		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Bromomethane	2013-11	ug/L					< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Bromomethane	2014-03	ug/L	< 4.00	< 4.00	< 4.00		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Bromomethane	2014-06	ug/L					< 4.00 J	< 4.00	< 4.00	< 4.00	< 4.00		
Bromomethane	2014-09	ug/L	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4		

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	2015-03	ug/L	< 4.00	< 4	< 4.00	< 4.00	< 4	< 4	< 4.00	< 4.00	< 4	< 4	< 4.00	< 4.00
Bromomethane	2015-06	ug/L						< 4	< 4					
Bromomethane	2015-09	ug/L	< 4	< 4			< 4	< 4	< 4	< 4	< 4	< 4		
Bromomethane	2015-10	ug/L			< 4	< 4							< 4	< 4
Bromomethane	2016-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4 J	< 4	< 4	**0.253 J**	**0.301 J**
Bromomethane	2016-06	ug/L					< 4							
Bromomethane	2016-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2017-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2017-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2017-11	ug/L												
Bromomethane	2018-03	ug/L	< 4	< 4	**0.248 J**	< 4	< 4	**0.249 J**	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2018-06	ug/L												
Bromomethane	2018-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Bromomethane	2018-09	ug/L							< 4	< 4				
Bromomethane	2018-11	ug/L											< 4	
Bromomethane	2019-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	**2.04 J**	< 4	< 4	< 4	< 4	< 4
Bromomethane	2019-04	ug/L												
Bromomethane	2019-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2020-03	ug/L		< 4		< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Bromomethane	2020-04	ug/L	< 4		< 4									
Bromomethane	2020-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4
Bromomethane	2021-03	ug/L				< 4								
Bromomethane	2021-08	ug/L	< 4	< 40	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4
Bromomethane	2022-03	ug/L				< 4								
Bromomethane	2022-08	ug/L	< 4	< 4	< 4	**3.23 J**	< 4	< 4	< 4	< 4	< 4			< 4
Bromomethane	2023-03	ug/L				< 4								
Bromomethane	2023-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4
Bromomethane	2024-03	ug/L				< 4								
Bromomethane	2024-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4
Bromomethane	2025-03	ug/L				< 4								
Bromomethane	2025-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4
Butylbenzylphthalate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Butylbenzylphthalate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Butylbenzylphthalate	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Butylbenzylphthalate	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Butylbenzylphthalate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Butylbenzylphthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				**0.514 J**				
Butylbenzylphthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Butylbenzylphthalate	2011-09	ug/L								< 10.0				
Butylbenzylphthalate	2012-03	ug/L								< 10.0				
Butylbenzylphthalate	2012-09	ug/L								< 10.0				
Butylbenzylphthalate	2013-03	ug/L								< 10.9				
Butylbenzylphthalate	2013-09	ug/L								< 10.3				
Butylbenzylphthalate	2015-06	ug/L						< 10.5	< 11.1					
Butylbenzylphthalate	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Butylbenzylphthalate	2015-10	ug/L			< 10.3	< 10.5								
Butylbenzylphthalate	2016-03	ug/L												
Butylbenzylphthalate	2016-06	ug/L					< 11.4							
Butylbenzylphthalate	2016-08	ug/L					< 11							
Butylbenzylphthalate	2018-11	ug/L											< 11.6	
Butylbenzylphthalate	2019-03	ug/L											< 12.2	
Butylbenzylphthalate	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Butylbenzylphthalate	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Cadmium	2008-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cadmium	2009-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cadmium	2009-07	mg/L	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cadmium	2009-09	mg/L	< 0.000500	< 0.0005		< 0.000500		< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005		
Cadmium	2010-03	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Cadmium	2010-09	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Cadmium	2011-03	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Cadmium	2011-09	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Cadmium	2012-03	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Cadmium	2012-09	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Cadmium	2013-03	mg/L	< 0.000500	< 0.000500	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.000500	< 0.0005	< 0.0005	< 0.0005
Cadmium	2013-09	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Cadmium	2013-11	mg/L												
Cadmium	2014-03	mg/L	**0.0000816 J**	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Cadmium	2014-06	mg/L												
Cadmium	2014-09	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Cadmium	2015-03	mg/L	< 0.000500	**0.000215 J**	< 0.000500	< 0.000500	< 0.0005	< 0.0005	< 0.000500	< 0.000500	< 0.0005	< 0.0005	< 0.000500	< 0.000500
Cadmium	2015-06	mg/L						< 0.0005	< 0.0005					
Cadmium	2015-09	mg/L	< 0.0005	< 0.0005			**0.000311 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005		
Cadmium	2015-10	mg/L			< 0.0005	< 0.0005							< 0.0005	< 0.0005
Cadmium	2016-03	mg/L	**0.000059 J**	**0.00005 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Cadmium	2016-06	mg/L					**0.000093 J**							
Cadmium	2016-08	mg/L	**0.000144 J**	**0.000234 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000048 J**	< 0.0005
Cadmium	2017-03	mg/L	**0.000103 J**	< 0.0005	**0.000051 J**	< 0.0005	**0.000065 J**	**0.000055 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000051 J**
Cadmium	2017-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000589**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Cadmium	2017-11	mg/L												
Cadmium	2018-03	mg/L	**0.000084 J**	< 0.0005	**0.000058 J**	< 0.0005	**0.000324 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000082 J**	< 0.0005
Cadmium	2018-06	mg/L												
Cadmium	2018-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005			< 0.0005	< 0.0005	< 0.0005	< 0.0005
Cadmium	2018-09	mg/L							< 0.0005	**0.000223 J**				
Cadmium	2018-11	mg/L											< 0.0005	
Cadmium	2019-03	mg/L	**0.000088 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000316 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Cadmium	2019-04	mg/L												
Cadmium	2019-08	mg/L	**0.000074 J**	< 0.0001	< 0.0001	< 0.0001	**0.000189**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	**0.000043 J**	**0.000056 J**

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**
Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Bromomethane	2015-03	ug/L	< 4.00	< 4.00	< 4		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Bromomethane	2015-06	ug/L											
Bromomethane	2015-09	ug/L	< 4	< 4	< 4								
Bromomethane	2015-10	ug/L				< 4	< 4	< 4		< 4	< 4		
Bromomethane	2016-03	ug/L	**0.269 J**	< 4	< 4	< 4	< 4	< 4		< 4	< 4		
Bromomethane	2016-06	ug/L											
Bromomethane	2016-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4		
Bromomethane	2017-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4		
Bromomethane	2017-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4		
Bromomethane	2017-11	ug/L										**0.504 J**	**0.736 J**
Bromomethane	2018-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4
Bromomethane	2018-06	ug/L										< 4	< 4
Bromomethane	2018-08	ug/L	< 4	< 4	< 4	< 4		< 4		< 4			
Bromomethane	2018-09	ug/L									< 4	< 4	< 4
Bromomethane	2018-11	ug/L										< 4	< 4
Bromomethane	2019-03	ug/L	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4	
Bromomethane	2019-04	ug/L											< 4
Bromomethane	2019-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4
Bromomethane	2020-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4
Bromomethane	2020-04	ug/L											
Bromomethane	2020-08	ug/L	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Bromomethane	2021-03	ug/L	< 4		< 4	< 4							< 4
Bromomethane	2021-08	ug/L	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Bromomethane	2022-03	ug/L	< 4		< 4	< 4							< 4
Bromomethane	2022-08	ug/L	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Bromomethane	2023-03	ug/L	< 4		< 4	< 4							< 4
Bromomethane	2023-08	ug/L	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Bromomethane	2024-03	ug/L	< 4		< 4	< 4							< 4
Bromomethane	2024-08	ug/L	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Bromomethane	2025-03	ug/L	< 4		< 4	< 4							< 4
Bromomethane	2025-08	ug/L	< 4	< 4	< 4 J	< 4	< 4			< 4	< 4	< 4	< 4
Butylbenzylphthalate	2008-08	ug/L	< 10	< 10	< 10								
Butylbenzylphthalate	2009-03	ug/L	< 10	< 10	< 10								
Butylbenzylphthalate	2009-07	ug/L	< 10	< 10	< 10.0								
Butylbenzylphthalate	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Butylbenzylphthalate	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Butylbenzylphthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Butylbenzylphthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Butylbenzylphthalate	2011-09	ug/L			< 10.0								
Butylbenzylphthalate	2012-03	ug/L			< 10.0								
Butylbenzylphthalate	2012-09	ug/L			< 10.0								
Butylbenzylphthalate	2013-03	ug/L			< 10.4								
Butylbenzylphthalate	2013-09	ug/L											
Butylbenzylphthalate	2015-06	ug/L											
Butylbenzylphthalate	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Butylbenzylphthalate	2015-10	ug/L				< 10.6							
Butylbenzylphthalate	2016-03	ug/L			< 10	< 10							
Butylbenzylphthalate	2016-06	ug/L											
Butylbenzylphthalate	2016-08	ug/L			< 11.1	< 11.5							
Butylbenzylphthalate	2018-11	ug/L											
Butylbenzylphthalate	2019-03	ug/L											
Butylbenzylphthalate	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Butylbenzylphthalate	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Cadmium	2008-08	mg/L	< 0.005	< 0.005	~~< 0.005~~								
Cadmium	2009-03	mg/L	< 0.005	< 0.005	~~< 0.005~~								
Cadmium	2009-07	mg/L	< 0.005	< 0.005	~~< 0.005~~								
Cadmium	2009-09	mg/L	< 0.000500	< 0.000500	< 0.000500								
Cadmium	2010-03	mg/L	< 0.000500	< 0.000500	< 0.000500								
Cadmium	2010-09	mg/L	< 0.000500	< 0.000500	< 0.000500								
Cadmium	2011-03	mg/L	< 0.000500	< 0.000500	< 0.000500								
Cadmium	2011-09	mg/L	< 0.000500	< 0.000500	< 0.000500								
Cadmium	2012-03	mg/L	< 0.000500	< 0.000500	< 0.000500								
Cadmium	2012-09	mg/L	< 0.000500	< 0.000500	**0.000824**								
Cadmium	2013-03	mg/L	< 0.0005	< 0.0005	< 0.000500								
Cadmium	2013-09	mg/L	< 0.000500	< 0.000500	< 0.000500	~~< 0.000500~~	< 0.000500	< 0.000500	< 0.000500	**0.000227 J**	< 0.000500		
Cadmium	2013-11	mg/L				~~**0.000119 J**~~	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500		
Cadmium	2014-03	mg/L	< 0.000500	< 0.000500	< 0.000500	~~< 0.000500~~	**0.0000815 J**	< 0.000500	< 0.000500	< 0.000500	**0.000100 J**		
Cadmium	2014-06	mg/L				~~< 0.000500~~	< 0.000500	< 0.000500	< 0.000500	**0.0000957 J**	< 0.000500		
Cadmium	2014-09	mg/L	< 0.0005	< 0.0005	< 0.0005	~~< 0.0005~~	< 0.0005	< 0.0005	< 0.0005	**0.000114 J**	< 0.0005		
Cadmium	2015-03	mg/L	< 0.000500	< 0.000500	< 0.0005	~~< 0.000500~~	< 0.000500	< 0.000500	< 0.000500	**0.000137 J**	< 0.000500		
Cadmium	2015-06	mg/L											
Cadmium	2015-09	mg/L	< 0.0005	< 0.0005	< 0.0005								
Cadmium	2015-10	mg/L				< 0.0005	< 0.0005	< 0.0005		**0.000152 J**	< 0.0005		
Cadmium	2016-03	mg/L	**0.000059 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000044 J**		**0.000138 J**	< 0.0005		
Cadmium	2016-06	mg/L											
Cadmium	2016-08	mg/L	< 0.0005	**0.00006 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005		**0.000144 J**	< 0.0005		
Cadmium	2017-03	mg/L	**0.000128 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000054 J**		**0.000145 J**	**0.000054 J**		
Cadmium	2017-08	mg/L	**0.000116 J**	**0.000224 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005		**0.000076 J**	< 0.0005		
Cadmium	2017-11	mg/L										< 0.0005	< 0.0005
Cadmium	2018-03	mg/L	**0.000088 J**	**0.000374 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005		**0.000093 J**	**0.000112 J**	< 0.0005	< 0.0005
Cadmium	2018-06	mg/L										< 0.0005	< 0.0005
Cadmium	2018-08	mg/L	**0.000108 J**	**0.000355 J**	< 0.0005	< 0.0005		< 0.0005		**0.000075 J**			
Cadmium	2018-09	mg/L									< 0.0005	< 0.0005	< 0.0005
Cadmium	2018-11	mg/L										< 0.0005	< 0.0005
Cadmium	2019-03	mg/L	**0.00085**	**0.000085 J**	< 0.0005	< 0.0005		< 0.0005	**0.000094 J**	**0.0001 J**	< 0.0005	< 0.0005	
Cadmium	2019-04	mg/L											< 0.0005
Cadmium	2019-08	mg/L	**0.000145**	**0.000086 J**	< 0.0001	< 0.0001	**0.00005 J**	**0.000053 J**		< 0.0001	< 0.0001	< 0.0001	< 0.0001

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	2020-03	mg/L		**0.000064 J**		< 0.0001	< 0.0004	< 0.0001	< 0.0004	< 0.0001	< 0.0001	< 0.0001	**0.00004 J**	**0.000044 J**
Cadmium	2020-04	mg/L	**0.000074 J**		< 0.0001									
Cadmium	2020-08	mg/L	**0.000103**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001			< 0.0001
Cadmium	2021-03	mg/L				< 0.0001								
Cadmium	2021-08	mg/L	**0.000084 J**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001			< 0.0001
Cadmium	2022-03	mg/L				< 0.0001								
Cadmium	2022-08	mg/L	**0.000087 J**	**0.000214**	**0.000081 J**	< 0.0001	< 0.0001	< 0.0001	**0.000058 J**	< 0.0001	< 0.0001			< 0.0001
Cadmium	2023-03	mg/L				**0.000135**								
Cadmium	2023-08	mg/L	< 0.0002	**0.000107 J**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.000149 J**	**0.000162 J**			< 0.0002
Cadmium	2024-03	mg/L				< 0.0002								
Cadmium	2024-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002			< 0.0002
Cadmium	2025-03	mg/L				< 0.0002								
Cadmium	2025-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002			< 0.0002
Carbon Disulfide	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
Carbon Disulfide	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
Carbon Disulfide	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 2.00
Carbon Disulfide	2010-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 1.00	< 1.00	< 1.00	< 4.00	< 1.00	< 1.00	< 1.00	< 1.00
Carbon Disulfide	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Carbon Disulfide	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Carbon Disulfide	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Carbon Disulfide	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Carbon Disulfide	2013-03	ug/L	< 1.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1 J	< 1.00	< 1	< 1	< 1 J
Carbon Disulfide	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Carbon Disulfide	2013-11	ug/L												
Carbon Disulfide	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Carbon Disulfide	2014-06	ug/L												
Carbon Disulfide	2014-09	ug/L	< 1	< 1	< 1	**0.253 J**	< 1	**0.152 J**	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2015-03	ug/L	< 1.00	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00
Carbon Disulfide	2015-06	ug/L						< 1	< 1					
Carbon Disulfide	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
Carbon Disulfide	2015-10	ug/L			< 1	< 1							< 1	< 1
Carbon Disulfide	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2016-06	ug/L					< 1							
Carbon Disulfide	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2017-08	ug/L	< 1	< 1	< 1	**0.25 J**	< 1	**0.262 J**	**0.167 J**	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2017-11	ug/L												
Carbon Disulfide	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**0.169 J**	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2018-06	ug/L												
Carbon Disulfide	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Carbon Disulfide	2018-09	ug/L							< 1	< 1				
Carbon Disulfide	2018-11	ug/L											< 1	
Carbon Disulfide	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2019-04	ug/L												
Carbon Disulfide	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2020-03	ug/L		< 1		**0.519 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Disulfide	2020-04	ug/L	< 1		< 1									
Carbon Disulfide	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Carbon Disulfide	2021-03	ug/L				< 1								
Carbon Disulfide	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Carbon Disulfide	2022-03	ug/L				< 1								
Carbon Disulfide	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	**1.42**	< 1	< 1			< 1
Carbon Disulfide	2023-03	ug/L				< 1								
Carbon Disulfide	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Carbon Disulfide	2024-03	ug/L				< 1								
Carbon Disulfide	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Carbon Disulfide	2025-03	ug/L				< 1								
Carbon Disulfide	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Carbon Tetrachloride	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2009-07	ug/L	< 2	< 2	< 2	< 2		< 2	< 2.00	< 2.00	< 2			
Carbon Tetrachloride	2009-09	ug/L	< 2.00	< 2	< 2.00	< 10.0		< 2	< 2	< 2	< 2			
Carbon Tetrachloride	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Carbon Tetrachloride	2010-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 4.00	< 4.00	< 4.00	< 5.00	< 4.00	< 4.00	< 4.00	< 4.00
Carbon Tetrachloride	2011-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Carbon Tetrachloride	2011-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Carbon Tetrachloride	2012-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Carbon Tetrachloride	2012-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Carbon Tetrachloride	2013-03	ug/L	< 2.00	< 2.00	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2	< 2	< 2
Carbon Tetrachloride	2013-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Carbon Tetrachloride	2013-11	ug/L												
Carbon Tetrachloride	2014-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Carbon Tetrachloride	2014-06	ug/L												
Carbon Tetrachloride	2014-09	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2015-03	ug/L	< 2.00	< 2	< 2.00	< 2.00	< 2	< 2	< 2.00	< 2.00	< 2	< 2	< 2.00	< 2.00
Carbon Tetrachloride	2015-06	ug/L						< 2	< 2					
Carbon Tetrachloride	2015-09	ug/L	< 2	< 2			< 2	< 2	< 2	< 2	< 2	< 2		
Carbon Tetrachloride	2015-10	ug/L			< 2	< 2							< 2	< 2
Carbon Tetrachloride	2016-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2016-06	ug/L					< 2							
Carbon Tetrachloride	2016-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2017-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2017-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2017-11	ug/L												
Carbon Tetrachloride	2018-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Cadmium	2020-03	mg/L	**0.000244**	**0.000077 J**	< 0.0001	< 0.0001	**0.000054 J**	**0.000048 J**		**0.000099 J**	**0.000077 J**	< 0.0001	< 0.0001
Cadmium	2020-04	mg/L											
Cadmium	2020-08	mg/L	**0.000148**	< 0.0001	< 0.0001	< 0.0001	**0.000096 J**			< 0.0001	< 0.0001	< 0.0001	< 0.0001
Cadmium	2021-03	mg/L	**0.000324**		< 0.0001	< 0.0001							< 0.0001
Cadmium	2021-08	mg/L	< 0.0001	**0.000083 J**	< 0.0001	< 0.0001	< 0.0001			**0.000124**	< 0.0001	< 0.0001	< 0.0001
Cadmium	2022-03	mg/L	**0.000111**		< 0.0001	< 0.0001							< 0.0001
Cadmium	2022-08	mg/L	< 0.0001	**0.000099 J**	< 0.0001	< 0.0001	< 0.0001			**0.000116**	< 0.0001	< 0.0001	< 0.0001
Cadmium	2023-03	mg/L	< 0.0001		< 0.0001	< 0.0001							< 0.0001
Cadmium	2023-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002			**0.0001 J**	< 0.0002	< 0.0002	< 0.0002
Cadmium	2024-03	mg/L	< 0.0002		< 0.0002	< 0.0002							< 0.0002
Cadmium	2024-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002			< 0.0002	< 0.0002	< 0.0002	< 0.0002
Cadmium	2025-03	mg/L	< 0.0002		< 0.0002	< 0.0002							< 0.0002
Cadmium	2025-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002			< 0.0002	< 0.0002	< 0.0002	< 0.0002
Carbon Disulfide	2008-08	ug/L	< 1	< 1	< 1								
Carbon Disulfide	2009-03	ug/L	< 1	< 1	< 1								
Carbon Disulfide	2009-07	ug/L	< 1	< 1									
Carbon Disulfide	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
Carbon Disulfide	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
Carbon Disulfide	2010-09	ug/L	< 4.00	< 4.00	< 4.00								
Carbon Disulfide	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
Carbon Disulfide	2011-09	ug/L	< 1.00	< 1.00	< 1.00								
Carbon Disulfide	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
Carbon Disulfide	2012-09	ug/L	< 1.00	< 1.00	< 1.00								
Carbon Disulfide	2013-03	ug/L	< 1	< 1	< 1.00								
Carbon Disulfide	2013-09	ug/L	< 1.00	< 1.00	< 1.00		**0.199 J**	< 1.00	< 1.00	< 1.00	< 1.00		
Carbon Disulfide	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Carbon Disulfide	2014-03	ug/L	**0.226 J**	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Carbon Disulfide	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Carbon Disulfide	2014-09	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
Carbon Disulfide	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Carbon Disulfide	2015-06	ug/L											
Carbon Disulfide	2015-09	ug/L	< 1	< 1	< 1								
Carbon Disulfide	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
Carbon Disulfide	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Carbon Disulfide	2016-06	ug/L											
Carbon Disulfide	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Carbon Disulfide	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Carbon Disulfide	2017-08	ug/L	< 1	**0.185 J**	< 1	< 1	< 1	< 1		< 1	< 1		
Carbon Disulfide	2017-11	ug/L										**0.172 J**	**0.161 J**
Carbon Disulfide	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	**0.422 J**	**0.171 J**
Carbon Disulfide	2018-06	ug/L										**0.517 J**	< 1
Carbon Disulfide	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
Carbon Disulfide	2018-09	ug/L									< 1	< 1	< 1
Carbon Disulfide	2018-11	ug/L										< 1	< 1
Carbon Disulfide	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
Carbon Disulfide	2019-04	ug/L											< 1
Carbon Disulfide	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Carbon Disulfide	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Carbon Disulfide	2020-04	ug/L											
Carbon Disulfide	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Carbon Disulfide	2021-03	ug/L	< 1		< 1	< 1							< 1
Carbon Disulfide	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Carbon Disulfide	2022-03	ug/L	< 1		< 1	< 1							< 1
Carbon Disulfide	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Carbon Disulfide	2023-03	ug/L	< 1		< 1	< 1							< 1
Carbon Disulfide	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Carbon Disulfide	2024-03	ug/L	< 1		< 1	< 1							< 1
Carbon Disulfide	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Carbon Disulfide	2025-03	ug/L	< 1		< 1	< 1							< 1
Carbon Disulfide	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
Carbon Tetrachloride	2008-08	ug/L	< 2	< 2	< 2								
Carbon Tetrachloride	2009-03	ug/L	< 2	< 2	< 2								
Carbon Tetrachloride	2009-07	ug/L	< 2	< 2									
Carbon Tetrachloride	2009-09	ug/L	< 2.00	< 2.00	< 2.00								
Carbon Tetrachloride	2010-03	ug/L	< 2.00	< 2.00	< 2.00								
Carbon Tetrachloride	2010-09	ug/L	< 5.00	< 5.00	< 5.00								
Carbon Tetrachloride	2011-03	ug/L	< 2.00	< 2.00	< 2.00								
Carbon Tetrachloride	2011-09	ug/L	< 2.00	< 2.00	< 2.00								
Carbon Tetrachloride	2012-03	ug/L	< 2.00	< 2.00	< 2.00								
Carbon Tetrachloride	2012-09	ug/L	< 2.00	< 2.00	< 2.00								
Carbon Tetrachloride	2013-03	ug/L	< 2	< 2	< 2.00								
Carbon Tetrachloride	2013-09	ug/L	< 2.00	< 2.00	< 2.00		< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Carbon Tetrachloride	2013-11	ug/L					< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Carbon Tetrachloride	2014-03	ug/L	< 2.00	< 2.00	< 2.00		< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Carbon Tetrachloride	2014-06	ug/L					< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Carbon Tetrachloride	2014-09	ug/L	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2		
Carbon Tetrachloride	2015-03	ug/L	< 2.00	< 2.00	< 2		< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Carbon Tetrachloride	2015-06	ug/L											
Carbon Tetrachloride	2015-09	ug/L	< 2	< 2	< 2								
Carbon Tetrachloride	2015-10	ug/L				< 2	< 2	< 2		< 2	< 2		
Carbon Tetrachloride	2016-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2		
Carbon Tetrachloride	2016-06	ug/L											
Carbon Tetrachloride	2016-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2		
Carbon Tetrachloride	2017-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2		
Carbon Tetrachloride	2017-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2		
Carbon Tetrachloride	2017-11	ug/L										< 2	< 2
Carbon Tetrachloride	2018-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon Tetrachloride	2018-06	ug/L												
Carbon Tetrachloride	2018-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2	< 2
Carbon Tetrachloride	2018-09	ug/L							< 2	< 2				
Carbon Tetrachloride	2018-11	ug/L											< 2	
Carbon Tetrachloride	2019-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2019-04	ug/L												
Carbon Tetrachloride	2019-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2020-03	ug/L		< 2		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	2020-04	ug/L	< 2		< 2									
Carbon Tetrachloride	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2
Carbon Tetrachloride	2021-03	ug/L				< 2								
Carbon Tetrachloride	2021-08	ug/L	< 2	< 20	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2
Carbon Tetrachloride	2022-03	ug/L				< 2								
Carbon Tetrachloride	2022-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2
Carbon Tetrachloride	2023-03	ug/L				< 2								
Carbon Tetrachloride	2023-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2
Carbon Tetrachloride	2024-03	ug/L				< 2								
Carbon Tetrachloride	2024-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2
Carbon Tetrachloride	2025-03	ug/L				< 2								
Carbon Tetrachloride	2025-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			< 2
Chlorobenzene	2008-08	ug/L	< 1	**7.56**	< 1	**2.78**	< 1	< 1	< 1	**2.75**	**1.74**	< 1	< 1	< 1
Chlorobenzene	2009-03	ug/L	< 1	**4.56**	< 1	**3.92**	< 1	< 1	< 1	**2.68**	< 1	< 1	< 1	< 1
Chlorobenzene	2009-07	ug/L	< 1	**5.18**	< 1	**2.82**		< 1	< 1.00	**3.91**	< 1			
Chlorobenzene	2009-09	ug/L	< 1.00	**9.26**	< 1.00	< 5.00		< 1	< 1	**3.61**	< 1			
Chlorobenzene	2010-03	ug/L	< 1.00	**4.09**	< 1.00	**6.13**	< 1.00	< 1.00	< 1.00	**3.72**	< 1.00	< 1.00	< 1.00	< 1.00
Chlorobenzene	2010-09	ug/L	< 1.00	**5.30**	< 1.00	**4.52**	< 1.00	< 1.00	< 1.00	**3.82**	< 1.00	< 1.00	< 1.00	< 1.00
Chlorobenzene	2011-03	ug/L	< 1.00	**4.91**	< 1.00	**4.09**	< 1.00	< 1.00	< 1.00	**4.54**	< 1.00	< 1.00	< 1.00	< 1.00
Chlorobenzene	2011-09	ug/L	< 1.00	**5.59**	< 1.00	**3.70**	< 1.00	< 1.00	< 1.00	**3.37**	< 1.00	< 1.00	< 1.00	< 1.00
Chlorobenzene	2012-03	ug/L	< 1.00	**4.98**	< 1.00	**3.63**	< 1.00	< 1.00	< 1.00	**4.42**	< 1.00	< 1.00	< 1.00	< 1.00
Chlorobenzene	2012-09	ug/L	< 1.00	**4.99**	< 1.00	**3.38**	< 1.00	< 1.00	< 1.00	**3.33**	< 1.00	< 1.00	< 1.00	< 1.00
Chlorobenzene	2013-03	ug/L	< 1.00	**4.09**	< 1	**4.76**	< 1	< 1	< 1	**3.68**	< 1.00	< 1	< 1	< 1
Chlorobenzene	2013-09	ug/L	< 1.00	**6.08**	< 1.00	**3.93**	< 1.00	< 1.00	< 1.00	**3.82**	**0.829 J**	< 1.00	< 1.00	< 1.00
Chlorobenzene	2013-11	ug/L												
Chlorobenzene	2014-03	ug/L	< 1.00	**5.34**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**3.08**	< 1.00	< 1.00	< 1.00	< 1.00
Chlorobenzene	2014-06	ug/L												
Chlorobenzene	2014-09	ug/L	< 1	**6.61**	< 1	**3.91**	< 1	< 1	< 1	**4.08**	**0.633 J**	< 1	< 1	< 1
Chlorobenzene	2015-03	ug/L	< 1.00	< 1	< 1.00	**2.82**	< 1	< 1	< 1.00	**4.19**	**0.892 J**	< 1	< 1.00	< 1.00
Chlorobenzene	2015-06	ug/L						< 1	< 1					
Chlorobenzene	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	**1.9**	< 1	< 1		
Chlorobenzene	2015-10	ug/L			< 1	< 1							< 1	< 1
Chlorobenzene	2016-03	ug/L	< 1	< 1	< 1	**4.23**	< 1	< 1	< 1	**4.24**	**0.688 J**	< 1	< 1	< 1
Chlorobenzene	2016-06	ug/L					< 1							
Chlorobenzene	2016-08	ug/L	< 1	< 1	< 1	**4.04**	< 1	< 1	< 1	**4.29**	**0.536 J**	< 1	< 1	< 1
Chlorobenzene	2017-03	ug/L	< 1	< 1	< 1	**4.12**	< 1	< 1	< 1	**3.24**	**0.426 J**	< 1	< 1	< 1
Chlorobenzene	2017-08	ug/L	< 1	< 1	< 1	**3.11**	< 1	< 1	< 1	**3.24**	**0.725 J**	< 1	< 1	< 1
Chlorobenzene	2017-11	ug/L												
Chlorobenzene	2018-03	ug/L	< 1	< 1	< 1	**3.05**	< 1	< 1	< 1	**4.33**	**0.67 J**	< 1	< 1	< 1
Chlorobenzene	2018-06	ug/L												
Chlorobenzene	2018-08	ug/L	< 1	< 1	< 1	**2.82**	< 1	< 1			**0.466 J**	< 1	< 1	< 1
Chlorobenzene	2018-09	ug/L							< 1	< 1				
Chlorobenzene	2018-11	ug/L											< 1	
Chlorobenzene	2019-03	ug/L	< 1	**3.4**	< 1	**3.43**	< 1	< 1	< 1	**2.91**	**0.534 J**	< 1	< 1	< 1
Chlorobenzene	2019-04	ug/L												
Chlorobenzene	2019-08	ug/L	< 1	< 1	< 1	**3.08**	< 1	< 1	< 1	**3.85**	< 1	< 1	< 1	< 1
Chlorobenzene	2020-03	ug/L		< 1		**3.7**	< 1	< 1	< 1	**4.14**	**0.557 J**	< 1	< 1	< 1
Chlorobenzene	2020-04	ug/L	< 1		< 1									
Chlorobenzene	2020-08	ug/L	< 1	< 1	< 1	**3.06**	< 1	< 1	< 1	**4.58**	**0.584 J**			< 1
Chlorobenzene	2021-03	ug/L				**4.14**								
Chlorobenzene	2021-08	ug/L	< 1	< 10	< 1	**2.93**	< 1	< 1	< 1	**3.86**	< 1			< 1
Chlorobenzene	2022-03	ug/L				**1.98**								
Chlorobenzene	2022-08	ug/L	< 1	< 1	< 1	**2.68**	< 1	< 1	< 1	**3.61**	**0.445 J**			< 1
Chlorobenzene	2023-03	ug/L				**1.72**								
Chlorobenzene	2023-08	ug/L	< 1	< 1	< 1	**2.06**	< 1	< 1	< 1	< 1	**0.727 J**			< 1
Chlorobenzene	2024-03	ug/L				**3.2**								
Chlorobenzene	2024-08	ug/L	< 1	**0.432 J**	< 1	**2.26**	< 1	< 1	< 1	**3.01**	**0.971 J**			< 1
Chlorobenzene	2025-03	ug/L				**1.85**								
Chlorobenzene	2025-08	ug/L	< 1	**0.652 J**	< 1	**2.16**	< 1	< 1	< 1	**4.05**	< 1			< 1
Chlorobenzilate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chlorobenzilate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chlorobenzilate	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Chlorobenzilate	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Chlorobenzilate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Chlorobenzilate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Chlorobenzilate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Chlorobenzilate	2015-06	ug/L						< 10.5	< 11.1					
Chlorobenzilate	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Chlorobenzilate	2015-10	ug/L			< 10.3	< 10.5								
Chlorobenzilate	2016-03	ug/L												
Chlorobenzilate	2016-06	ug/L					< 11.4							
Chlorobenzilate	2016-08	ug/L					< 11							
Chlorobenzilate	2018-11	ug/L											< 11.6	
Chlorobenzilate	2019-03	ug/L											< 12.2	
Chlorobenzilate	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Chlorobenzilate	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Chlorodibromomethane	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2009-07	ug/L	< 5	< 5	< 5	< 5		< 5	< 5.00	< 5.00	< 5			

Table 14

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Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Carbon Tetrachloride	2018-06	ug/L										< 2	< 2
Carbon Tetrachloride	2018-08	ug/L	< 2	< 2	< 2	< 2		< 2		< 2			
Carbon Tetrachloride	2018-09	ug/L									< 2	< 2	< 2
Carbon Tetrachloride	2018-11	ug/L										< 2	< 2
Carbon Tetrachloride	2019-03	ug/L	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2	
Carbon Tetrachloride	2019-04	ug/L											< 2
Carbon Tetrachloride	2019-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2
Carbon Tetrachloride	2020-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2	< 2	< 2
Carbon Tetrachloride	2020-04	ug/L											
Carbon Tetrachloride	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2	< 2
Carbon Tetrachloride	2021-03	ug/L	< 2		< 2	< 2							< 2
Carbon Tetrachloride	2021-08	ug/L	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2	< 2
Carbon Tetrachloride	2022-03	ug/L	< 2		< 2	< 2							< 2
Carbon Tetrachloride	2022-08	ug/L	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2	< 2
Carbon Tetrachloride	2023-03	ug/L	< 2		< 2	< 2							< 2
Carbon Tetrachloride	2023-08	ug/L	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2	< 2
Carbon Tetrachloride	2024-03	ug/L	< 2		< 2	< 2							< 2
Carbon Tetrachloride	2024-08	ug/L	< 2	< 2	< 2	< 2	< 2			< 2	< 2	< 2	< 2
Carbon Tetrachloride	2025-03	ug/L	< 2		< 2	< 2							< 2
Carbon Tetrachloride	2025-08	ug/L	< 2	< 2	< 2 J	< 2	< 2			< 2	< 2	< 2	< 2
Chlorobenzene	2008-08	ug/L	**3.25**	**7.88**	< 1								
Chlorobenzene	2009-03	ug/L	**2.23**	**6.23**	< 1								
Chlorobenzene	2009-07	ug/L	**2.24**	< 1									
Chlorobenzene	2009-09	ug/L	**2.68**	**6.33**	< 1.00								
Chlorobenzene	2010-03	ug/L	**2.64**	**4.82**	< 1.00								
Chlorobenzene	2010-09	ug/L	**3.13**	**9.48**	< 1.00								
Chlorobenzene	2011-03	ug/L	**2.68**	**7.31**	< 1.00								
Chlorobenzene	2011-09	ug/L	**3.08**	**9.62**	< 1.00								
Chlorobenzene	2012-03	ug/L	**2.76**	**6.82**	< 1.00								
Chlorobenzene	2012-09	ug/L	**3.40**	**9.86**	< 1.00								
Chlorobenzene	2013-03	ug/L	**2.49**	**5.97**	< 1.00								
Chlorobenzene	2013-09	ug/L	**4.23**	**9.25**	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Chlorobenzene	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Chlorobenzene	2014-03	ug/L	< 1.00	**7.70**	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Chlorobenzene	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Chlorobenzene	2014-09	ug/L	**4.11**	**8.95**	< 1		< 1	< 1	< 1	< 1	< 1		
Chlorobenzene	2015-03	ug/L	**5.36**	**5.80**	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Chlorobenzene	2015-06	ug/L											
Chlorobenzene	2015-09	ug/L	**4.92**	**6.06**	< 1								
Chlorobenzene	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
Chlorobenzene	2016-03	ug/L	**4.69**	**4.41**	< 1	< 1	< 1	< 1		< 1	< 1		
Chlorobenzene	2016-06	ug/L											
Chlorobenzene	2016-08	ug/L	**5**	**5.82**	< 1	< 1	< 1	< 1		< 1	< 1		
Chlorobenzene	2017-03	ug/L	**3.92**	**7.2**	< 1	< 1	< 1	< 1		< 1	< 1		
Chlorobenzene	2017-08	ug/L	**5.82**	**9.3**	< 1	< 1	< 1	< 1		< 1	< 1		
Chlorobenzene	2017-11	ug/L										< 1	**5.13**
Chlorobenzene	2018-03	ug/L	**5.65**	**7.83**	< 1	< 1	< 1	< 1		< 1	< 1	< 1	**7.23**
Chlorobenzene	2018-06	ug/L										< 1	**5.87**
Chlorobenzene	2018-08	ug/L	**5.13**	**9.99**	< 1	< 1		< 1		< 1			
Chlorobenzene	2018-09	ug/L									< 1	< 1	**6.87**
Chlorobenzene	2018-11	ug/L										< 1	**6.26**
Chlorobenzene	2019-03	ug/L	**5.68**	**6.22**	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
Chlorobenzene	2019-04	ug/L											**7.57**
Chlorobenzene	2019-08	ug/L	**7.41**	**14.4**	< 1	< 1	< 1	< 1		< 1	< 1	< 1	**6.6**
Chlorobenzene	2020-03	ug/L	**5.88**	**11.5**	< 1	< 1	< 1	< 1		< 1	< 1	< 1	**7.43**
Chlorobenzene	2020-04	ug/L											
Chlorobenzene	2020-08	ug/L	**6.08**	**15.4**	< 1	< 1	< 1			< 1	< 1	< 1	**7.33**
Chlorobenzene	2021-03	ug/L	**5.74**		< 1	< 1							**6.78**
Chlorobenzene	2021-08	ug/L	**3.81**	**6.83**	< 1	< 1	< 1			< 1	< 1	< 1	**6.76**
Chlorobenzene	2022-03	ug/L	**2.96**		< 1	< 1							**7.07**
Chlorobenzene	2022-08	ug/L	**4.19**	**8.74**	< 1	< 1	< 1			< 1	< 1	< 1	**6.71**
Chlorobenzene	2023-03	ug/L	**4.04**		< 1	< 1							**7.41**
Chlorobenzene	2023-08	ug/L	**7.1**	**6.29**	< 1	< 1	< 1			< 1	< 1	< 1	**6.68**
Chlorobenzene	2024-03	ug/L	**5.33**		< 1	< 1							**8.2**
Chlorobenzene	2024-08	ug/L	**6.92**	**6.98**	< 1	< 1	< 1			< 1	< 1	< 1	**7.14**
Chlorobenzene	2025-03	ug/L	**5.62**		< 1	< 1							**7.21**
Chlorobenzene	2025-08	ug/L	**4.1**	**5.45**	< 1 J	< 1	< 1			< 1	< 1	< 1	**6.62**
Chlorobenzilate	2008-08	ug/L	< 10	< 10	< 10								
Chlorobenzilate	2009-03	ug/L	< 10	< 10	< 10								
Chlorobenzilate	2009-07	ug/L	< 10	< 10	< 10.0								
Chlorobenzilate	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Chlorobenzilate	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Chlorobenzilate	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Chlorobenzilate	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Chlorobenzilate	2015-06	ug/L											
Chlorobenzilate	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Chlorobenzilate	2015-10	ug/L				< 10.6							
Chlorobenzilate	2016-03	ug/L			< 10	< 10							
Chlorobenzilate	2016-06	ug/L											
Chlorobenzilate	2016-08	ug/L			< 11.1	< 11.5							
Chlorobenzilate	2018-11	ug/L											
Chlorobenzilate	2019-03	ug/L											
Chlorobenzilate	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Chlorobenzilate	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Chlorodibromomethane	2008-08	ug/L	< 5	< 5	< 5								
Chlorodibromomethane	2009-03	ug/L	< 5	< 5	< 5								
Chlorodibromomethane	2009-07	ug/L	< 5	< 5									

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane	2009-09	ug/L	< 5.00	< 5	< 5.00	< 25.0		< 5	< 5	< 5	< 5			
Chlorodibromomethane	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Chlorodibromomethane	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 5.00	< 5.00	< 5.00	< 10.0	< 5.00	< 5.00	< 5.00	< 5.00
Chlorodibromomethane	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Chlorodibromomethane	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Chlorodibromomethane	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Chlorodibromomethane	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Chlorodibromomethane	2013-03	ug/L	< 5.00	< 5.00	< 5	< 5	< 5	< 5	< 5	< 5	< 5.00	< 5	< 5	< 5
Chlorodibromomethane	2013-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Chlorodibromomethane	2013-11	ug/L												
Chlorodibromomethane	2014-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Chlorodibromomethane	2014-06	ug/L												
Chlorodibromomethane	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2015-03	ug/L	< 5.00	< 5	< 5.00	< 5.00	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5.00	< 5.00
Chlorodibromomethane	2015-06	ug/L						< 5	< 5					
Chlorodibromomethane	2015-09	ug/L	< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5		
Chlorodibromomethane	2015-10	ug/L			< 5	< 5							< 5	< 5
Chlorodibromomethane	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2016-06	ug/L					< 5							
Chlorodibromomethane	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2017-11	ug/L												
Chlorodibromomethane	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2018-06	ug/L												
Chlorodibromomethane	2018-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Chlorodibromomethane	2018-09	ug/L							< 5	< 5				
Chlorodibromomethane	2018-11	ug/L											< 5	
Chlorodibromomethane	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2019-04	ug/L												
Chlorodibromomethane	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2020-03	ug/L		< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	2020-04	ug/L	< 5		< 5									
Chlorodibromomethane	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Chlorodibromomethane	2021-03	ug/L				< 5								
Chlorodibromomethane	2021-08	ug/L	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Chlorodibromomethane	2022-03	ug/L				< 5								
Chlorodibromomethane	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Chlorodibromomethane	2023-03	ug/L				< 5								
Chlorodibromomethane	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Chlorodibromomethane	2024-03	ug/L				< 5								
Chlorodibromomethane	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Chlorodibromomethane	2025-03	ug/L				< 5								
Chlorodibromomethane	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Chloroethane	2008-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2009-03	ug/L	< 4	< 4	< 4	**4.42**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2009-07	ug/L	< 4	< 4	< 4	< 4		< 4	< 4.00	< 4.00	< 4			
Chloroethane	2009-09	ug/L	< 4.00	< 4	< 4.00	< 20.0		< 4	< 4	< 4	< 4			
Chloroethane	2010-03	ug/L	< 4.00	< 4.00	< 4.00	**6.52**	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Chloroethane	2010-09	ug/L	< 4.00	< 4.00	< 4.00	**4.00**	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Chloroethane	2011-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Chloroethane	2011-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Chloroethane	2012-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Chloroethane	2012-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Chloroethane	2013-03	ug/L	< 4.00	**1.27 J**	< 4	**3.33 J**	< 4	< 4	< 4	**2.14 J**	< 4.00	< 4	< 4	< 4
Chloroethane	2013-09	ug/L	< 4.00	< 4.00	< 4.00	**2.82 J**	< 4.00	< 4.00	< 4.00	**0.898 J**	**0.904 J**	< 4.00	< 4.00	< 4.00
Chloroethane	2013-11	ug/L												
Chloroethane	2014-03	ug/L	< 4.00	**2.65 J**	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Chloroethane	2014-06	ug/L												
Chloroethane	2014-09	ug/L	< 4	< 4	< 4	**2.85 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2015-03	ug/L	< 4.00	< 4	< 4.00	< 4.00	< 4	< 4	< 4.00	**0.500 J**	< 4	< 4	< 4.00	< 4.00
Chloroethane	2015-06	ug/L						< 4	< 4					
Chloroethane	2015-09	ug/L	< 4	< 4			< 4	< 4	< 4	< 4	< 4	< 4		
Chloroethane	2015-10	ug/L			< 4	**3.09 J**							< 4	< 4
Chloroethane	2016-03	ug/L	< 4	< 4	< 4	**4.69**	< 4	< 4	< 4	**0.641 J**	< 4	< 4	< 4	< 4
Chloroethane	2016-06	ug/L					< 4							
Chloroethane	2016-08	ug/L	< 4	< 4	< 4	**3.3 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2017-03	ug/L	< 4	< 4	< 4	**3.86 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2017-08	ug/L	< 4	< 4	< 4	**2.92 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2017-11	ug/L												
Chloroethane	2018-03	ug/L	< 4	< 4	< 4	**0.499 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2018-06	ug/L												
Chloroethane	2018-08	ug/L	< 4	< 4	< 4	**3.45 J**	< 4	< 4			< 4	< 4	< 4	< 4
Chloroethane	2018-09	ug/L							< 4	< 4				
Chloroethane	2018-11	ug/L											< 4	
Chloroethane	2019-03	ug/L	< 4	< 4	< 4	**2.5 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2019-04	ug/L												
Chloroethane	2019-08	ug/L	< 4	< 4	< 4	**4.79**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2020-03	ug/L		< 4		**3.66 J**	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Chloroethane	2020-04	ug/L	< 4		< 4									
Chloroethane	2020-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4
Chloroethane	2021-03	ug/L				**3.22 J**								
Chloroethane	2021-08	ug/L	< 4	< 40	< 4	**2.68 J**	< 4	< 4	< 4	< 4	< 4			< 4
Chloroethane	2022-03	ug/L				**0.928 J**								
Chloroethane	2022-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4
Chloroethane	2023-03	ug/L				**0.999 J**								
Chloroethane	2023-08	ug/L	< 4	< 4	< 4	**1.35 J**	< 4	< 4	< 4	< 4	< 4			< 4

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Chlorodibromomethane	2009-09	ug/L	< 5.00	< 5.00	< 5.00								
Chlorodibromomethane	2010-03	ug/L	< 5.00	< 5.00	< 5.00								
Chlorodibromomethane	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Chlorodibromomethane	2011-03	ug/L	< 5.00	< 5.00	< 5.00								
Chlorodibromomethane	2011-09	ug/L	< 5.00	< 5.00	< 5.00								
Chlorodibromomethane	2012-03	ug/L	< 5.00	< 5.00	< 5.00								
Chlorodibromomethane	2012-09	ug/L	< 5.00	< 5.00	< 5.00								
Chlorodibromomethane	2013-03	ug/L	< 5	< 5	< 5.00								
Chlorodibromomethane	2013-09	ug/L	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Chlorodibromomethane	2013-11	ug/L					< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Chlorodibromomethane	2014-03	ug/L	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Chlorodibromomethane	2014-06	ug/L					< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Chlorodibromomethane	2014-09	ug/L	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5		
Chlorodibromomethane	2015-03	ug/L	< 5.00	< 5.00	< 5		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Chlorodibromomethane	2015-06	ug/L											
Chlorodibromomethane	2015-09	ug/L	< 5	< 5	< 5								
Chlorodibromomethane	2015-10	ug/L				< 5	< 5	< 5		< 5	< 5		
Chlorodibromomethane	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
Chlorodibromomethane	2016-06	ug/L											
Chlorodibromomethane	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
Chlorodibromomethane	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
Chlorodibromomethane	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
Chlorodibromomethane	2017-11	ug/L										< 5	< 5
Chlorodibromomethane	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
Chlorodibromomethane	2018-06	ug/L										< 5	< 5
Chlorodibromomethane	2018-08	ug/L	< 5	< 5	< 5	< 5		< 5		< 5			
Chlorodibromomethane	2018-09	ug/L									< 5	< 5	< 5
Chlorodibromomethane	2018-11	ug/L										< 5	< 5
Chlorodibromomethane	2019-03	ug/L	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	
Chlorodibromomethane	2019-04	ug/L											< 5
Chlorodibromomethane	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
Chlorodibromomethane	2020-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
Chlorodibromomethane	2020-04	ug/L											
Chlorodibromomethane	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Chlorodibromomethane	2021-03	ug/L	< 5		< 5	< 5							< 5
Chlorodibromomethane	2021-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Chlorodibromomethane	2022-03	ug/L	< 5		< 5	< 5							< 5
Chlorodibromomethane	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Chlorodibromomethane	2023-03	ug/L	< 5		< 5	< 5							< 5
Chlorodibromomethane	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Chlorodibromomethane	2024-03	ug/L	< 5		< 5	< 5							< 5
Chlorodibromomethane	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Chlorodibromomethane	2025-03	ug/L	< 5		< 5	< 5							< 5
Chlorodibromomethane	2025-08	ug/L	< 5	< 5	< 5 J	< 5	< 5			< 5	< 5	< 5	< 5
Chloroethane	2008-08	ug/L	< 4	< 4	< 4								
Chloroethane	2009-03	ug/L	< 4	< 4	< 4								
Chloroethane	2009-07	ug/L	< 4	**6.19**									
Chloroethane	2009-09	ug/L	< 4.00	**4.93**	< 4.00								
Chloroethane	2010-03	ug/L	< 4.00	< 4.00	< 4.00								
Chloroethane	2010-09	ug/L	< 4.00	< 4.00	< 4.00								
Chloroethane	2011-03	ug/L	< 4.00	**4.20**	< 4.00								
Chloroethane	2011-09	ug/L	< 4.00	< 4.00	< 4.00								
Chloroethane	2012-03	ug/L	< 4.00	< 4.00	< 4.00								
Chloroethane	2012-09	ug/L	< 4.00	< 4.00	< 4.00								
Chloroethane	2013-03	ug/L	< 4	**2.41 J**	< 4.00								
Chloroethane	2013-09	ug/L	< 4.00	**1.70 J**	< 4.00		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Chloroethane	2013-11	ug/L					< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Chloroethane	2014-03	ug/L	< 4.00	**1.44 J**	< 4.00		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Chloroethane	2014-06	ug/L					< 4.00	< 4.00	< 4.00	**0.428 J**	< 4.00		
Chloroethane	2014-09	ug/L	< 4	**1.36 J**	< 4		< 4	< 4	< 4	< 4	< 4		
Chloroethane	2015-03	ug/L	< 4.00	< 4.00	< 4		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Chloroethane	2015-06	ug/L											
Chloroethane	2015-09	ug/L	< 4	< 4	< 4								
Chloroethane	2015-10	ug/L				< 4	< 4	< 4		**1.43 J**	< 4		
Chloroethane	2016-03	ug/L	**0.387 J**	**0.748 J**	< 4	< 4	< 4	< 4		**1.55 J**	< 4		
Chloroethane	2016-06	ug/L											
Chloroethane	2016-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4		
Chloroethane	2017-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4		
Chloroethane	2017-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4		
Chloroethane	2017-11	ug/L										< 4	< 4
Chloroethane	2018-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4
Chloroethane	2018-06	ug/L										< 4	< 4
Chloroethane	2018-08	ug/L	< 4	< 4	< 4	< 4		< 4		< 4			
Chloroethane	2018-09	ug/L									< 4	< 4	< 4
Chloroethane	2018-11	ug/L										< 4	< 4
Chloroethane	2019-03	ug/L	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4	
Chloroethane	2019-04	ug/L											< 4
Chloroethane	2019-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		**0.807 J**	< 4	< 4	< 4
Chloroethane	2020-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4
Chloroethane	2020-04	ug/L											
Chloroethane	2020-08	ug/L	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Chloroethane	2021-03	ug/L	< 4		< 4	< 4							< 4
Chloroethane	2021-08	ug/L	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Chloroethane	2022-03	ug/L	< 4		< 4	< 4							< 4
Chloroethane	2022-08	ug/L	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Chloroethane	2023-03	ug/L	< 4		< 4	< 4							< 4
Chloroethane	2023-08	ug/L	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	2024-03	ug/L				< 4								
Chloroethane	2024-08	ug/L	< 4	< 4	< 4	**1.37 J**	< 4	< 4	< 4	< 4	**0.876 J**			< 4
Chloroethane	2025-03	ug/L				**1.28 J**								
Chloroethane	2025-08	ug/L	< 4	< 4	< 4	**1.91 J**	< 4	< 4	< 4	< 4	< 4			< 4
Chloroform	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
Chloroform	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
Chloroform	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroform	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroform	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroform	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroform	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroform	2012-09	ug/L	< 1.00	< 1.00	< 2.00	< 2.00	< 2.00	< 1.00	< 2.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroform	2013-03	ug/L	< 1.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1	< 1	< 1
Chloroform	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroform	2013-11	ug/L												
Chloroform	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroform	2014-06	ug/L												
Chloroform	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2015-03	ug/L	< 1.00	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00
Chloroform	2015-06	ug/L						< 1	< 1					
Chloroform	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
Chloroform	2015-10	ug/L			< 1	< 1							< 1	< 1
Chloroform	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2016-06	ug/L					< 1							
Chloroform	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2017-11	ug/L												
Chloroform	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	2018-06	ug/L												
Chloroform	2018-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Chloroform	2018-09	ug/L							< 3	< 3				
Chloroform	2018-11	ug/L											< 3	
Chloroform	2019-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloroform	2019-04	ug/L												
Chloroform	2019-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloroform	2020-03	ug/L		< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloroform	2020-04	ug/L	< 3		< 3									
Chloroform	2020-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Chloroform	2021-03	ug/L				< 3								
Chloroform	2021-08	ug/L	< 3	< 30	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Chloroform	2022-03	ug/L				< 3								
Chloroform	2022-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Chloroform	2023-03	ug/L				< 3								
Chloroform	2023-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Chloroform	2024-03	ug/L				< 3								
Chloroform	2024-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Chloroform	2025-03	ug/L				< 3								
Chloroform	2025-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Chloromethane	2008-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2009-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2009-07	ug/L	< 3	< 3	< 3	< 3		< 3	< 3.00	< 3.00	< 3			
Chloromethane	2009-09	ug/L	< 3.00	< 3	< 3.00	< 15.0		< 3	< 3	< 3	< 3			
Chloromethane	2010-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Chloromethane	2010-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Chloromethane	2011-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Chloromethane	2011-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Chloromethane	2012-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Chloromethane	2012-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Chloromethane	2013-03	ug/L	< 3.00	< 3.00	< 3	< 3	< 3	< 3	< 3	< 3	< 3.00	< 3	< 3	< 3
Chloromethane	2013-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Chloromethane	2013-11	ug/L												
Chloromethane	2014-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Chloromethane	2014-06	ug/L												
Chloromethane	2014-09	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2015-03	ug/L	< 3.00	< 3	< 3.00	< 3.00	< 3	< 3	< 3.00	< 3.00	< 3	< 3	< 3.00	< 3.00
Chloromethane	2015-06	ug/L						< 3	< 3					
Chloromethane	2015-09	ug/L	< 3	< 3			< 3	< 3	< 3	< 3	< 3	< 3		
Chloromethane	2015-10	ug/L			< 3	< 3							< 3	< 3
Chloromethane	2016-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2016-06	ug/L					< 3							
Chloromethane	2016-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2017-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2017-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2017-11	ug/L												
Chloromethane	2018-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2018-06	ug/L												
Chloromethane	2018-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Chloromethane	2018-09	ug/L							< 3	< 3				
Chloromethane	2018-11	ug/L											< 3	
Chloromethane	2019-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2019-04	ug/L												
Chloromethane	2019-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2020-03	ug/L		< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Chloromethane	2020-04	ug/L	< 3		< 3									

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Chloroethane	2024-03	ug/L	< 4		< 4	< 4							< 4
Chloroethane	2024-08	ug/L	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Chloroethane	2025-03	ug/L	< 4		< 4	< 4							< 4
Chloroethane	2025-08	ug/L	< 4	< 4	< 4 J	< 4	< 4			< 4	< 4	< 4	< 4
Chloroform	2008-08	ug/L	< 1	< 1	< 1								
Chloroform	2009-03	ug/L	< 1	< 1	< 1								
Chloroform	2009-07	ug/L	< 1	< 1									
Chloroform	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
Chloroform	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
Chloroform	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
Chloroform	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
Chloroform	2011-09	ug/L	< 1.00	< 1.00	< 1.00								
Chloroform	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
Chloroform	2012-09	ug/L	< 1.00	< 1.00	< 2.00								
Chloroform	2013-03	ug/L	< 1	< 1	< 1.00								
Chloroform	2013-09	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Chloroform	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Chloroform	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Chloroform	2014-06	ug/L					< 1.00	**0.337 J**	< 1.00	< 1.00	< 1.00		
Chloroform	2014-09	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
Chloroform	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Chloroform	2015-06	ug/L											
Chloroform	2015-09	ug/L	< 1	< 1	< 1								
Chloroform	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
Chloroform	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Chloroform	2016-06	ug/L											
Chloroform	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Chloroform	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Chloroform	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Chloroform	2017-11	ug/L										< 1	< 1
Chloroform	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Chloroform	2018-06	ug/L										< 3	< 3
Chloroform	2018-08	ug/L	< 3	< 3	< 3	< 3		< 3		< 3			
Chloroform	2018-09	ug/L									< 3	< 3	< 3
Chloroform	2018-11	ug/L										< 3	< 3
Chloroform	2019-03	ug/L	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	
Chloroform	2019-04	ug/L											< 3
Chloroform	2019-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3
Chloroform	2020-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3
Chloroform	2020-04	ug/L											
Chloroform	2020-08	ug/L	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Chloroform	2021-03	ug/L	< 3		< 3	< 3							< 3
Chloroform	2021-08	ug/L	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Chloroform	2022-03	ug/L	< 3		< 3	< 3							< 3
Chloroform	2022-08	ug/L	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Chloroform	2023-03	ug/L	< 3		< 3	< 3							< 3
Chloroform	2023-08	ug/L	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Chloroform	2024-03	ug/L	< 3		< 3	< 3							< 3
Chloroform	2024-08	ug/L	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Chloroform	2025-03	ug/L	< 3		< 3	< 3							< 3
Chloroform	2025-08	ug/L	< 3	< 3	< 3 J	< 3	< 3			< 3	< 3	< 3	< 3
Chloromethane	2008-08	ug/L	< 3	< 3	< 3								
Chloromethane	2009-03	ug/L	< 3	< 3	< 3								
Chloromethane	2009-07	ug/L	< 3	< 3									
Chloromethane	2009-09	ug/L	< 3.00	< 3.00	< 3.00								
Chloromethane	2010-03	ug/L	< 3.00	< 3.00	< 3.00								
Chloromethane	2010-09	ug/L	< 3.00	< 3.00	< 3.00								
Chloromethane	2011-03	ug/L	< 3.00	< 3.00	< 3.00								
Chloromethane	2011-09	ug/L	< 3.00	< 3.00	< 3.00								
Chloromethane	2012-03	ug/L	< 3.00	< 3.00	< 3.00								
Chloromethane	2012-09	ug/L	< 3.00	< 3.00	< 3.00								
Chloromethane	2013-03	ug/L	< 3	< 3	< 3.00								
Chloromethane	2013-09	ug/L	< 3.00	< 3.00	< 3.00		< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Chloromethane	2013-11	ug/L					< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Chloromethane	2014-03	ug/L	< 3.00	< 3.00	< 3.00		< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Chloromethane	2014-06	ug/L					< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Chloromethane	2014-09	ug/L	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3		
Chloromethane	2015-03	ug/L	< 3.00	< 3.00	< 3		< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Chloromethane	2015-06	ug/L											
Chloromethane	2015-09	ug/L	< 3	< 3	< 3								
Chloromethane	2015-10	ug/L				< 3	< 3	< 3		< 3	< 3		
Chloromethane	2016-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3		
Chloromethane	2016-06	ug/L											
Chloromethane	2016-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3		
Chloromethane	2017-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3		
Chloromethane	2017-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3		
Chloromethane	2017-11	ug/L										< 3	< 3
Chloromethane	2018-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3
Chloromethane	2018-06	ug/L										< 3	< 3
Chloromethane	2018-08	ug/L	< 3	< 3	< 3	< 3		< 3		< 3			
Chloromethane	2018-09	ug/L									< 3	< 3	< 3
Chloromethane	2018-11	ug/L										< 3	< 3
Chloromethane	2019-03	ug/L	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	
Chloromethane	2019-04	ug/L											< 3
Chloromethane	2019-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3
Chloromethane	2020-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3
Chloromethane	2020-04	ug/L											

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	2020-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Chloromethane	2021-03	ug/L				< 3								
Chloromethane	2021-08	ug/L	< 3	< 30	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Chloromethane	2022-03	ug/L				< 3								
Chloromethane	2022-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Chloromethane	2023-03	ug/L				< 3								
Chloromethane	2023-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Chloromethane	2024-03	ug/L				< 3								
Chloromethane	2024-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Chloromethane	2025-03	ug/L				< 3								
Chloromethane	2025-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Chloroprene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroprene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroprene	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
Chloroprene	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
Chloroprene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chloroprene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00				< 1.00				
Chloroprene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00				< 1.00				
Chloroprene	2012-09	ug/L		< 4.00										
Chloroprene	2015-06	ug/L						< 1	< 1					
Chloroprene	2015-09	ug/L	< 1	< 1				< 1	< 1	< 1	< 1			
Chloroprene	2015-10	ug/L			< 1	< 1								
Chloroprene	2016-03	ug/L												
Chloroprene	2016-06	ug/L					< 1							
Chloroprene	2016-08	ug/L					< 1							
Chloroprene	2018-11	ug/L											< 1	
Chloroprene	2019-03	ug/L											< 1	
Chloroprene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
Chloroprene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
Chromium	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chromium	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chromium	2009-07	mg/L	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chromium	2009-09	mg/L	< 0.0200	< 0.02		< 0.0200		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		
Chromium	2010-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Chromium	2010-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Chromium	2011-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Chromium	2011-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Chromium	2012-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Chromium	2012-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	**0.0518**	< 0.0200
Chromium	2013-03	mg/L	< 0.0200	< 0.0400	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.0200	**0.00206 J**	< 0.02	< 0.02
Chromium	2013-09	mg/L	**0.00265 J**	**0.00209 J**	**0.00183 J**	**0.00361 J**	**0.00582 J**	**0.00811 J**	**0.00721 J**	**0.00379 J**	**0.00359 J**	**0.00268 J**	**0.00216 J**	**0.00436 J**
Chromium	2013-11	mg/L												
Chromium	2014-03	mg/L	**0.00249 J**	**0.00424 J**	**0.00228 J**	**0.00273 J**	**0.00225 J**	**0.00382 J**	**0.00362 J**	**0.00599 J**	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Chromium	2014-06	mg/L												
Chromium	2014-09	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2015-03	mg/L	< 0.00500	**0.00326 J**	< 0.00500	< 0.00500	< 0.005	< 0.005	< 0.00500	**0.00134 J**	< 0.005	< 0.005	< 0.00500	< 0.00500
Chromium	2015-06	mg/L						< 0.005	< 0.005					
Chromium	2015-09	mg/L	< 0.005	**0.00232 J**			< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		
Chromium	2015-10	mg/L			< 0.005	< 0.005							< 0.005	**0.00219 J**
Chromium	2016-03	mg/L	< 0.005	**0.00294 J**	< 0.005	**0.000478 J**	< 0.005	< 0.005	< 0.005	**0.00128 J**	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2016-06	mg/L					< 0.005							
Chromium	2016-08	mg/L	**0.000368 J**	**0.00228 J**	< 0.005	**0.00045 J**	< 0.005	< 0.005	< 0.005	**0.00118 J**	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2017-03	mg/L	< 0.005	**0.00201 J**	< 0.005	< 0.005	< 0.005	**0.00233 J**	< 0.005	**0.00141 J**	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2017-08	mg/L	< 0.005	**0.00196 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00129 J**	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2017-11	mg/L												
Chromium	2018-03	mg/L	< 0.005	**0.00289 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00135 J**	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2018-06	mg/L												
Chromium	2018-08	mg/L	< 0.005	**0.00244 J**	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2018-09	mg/L							< 0.005	**0.00155 J**				
Chromium	2018-11	mg/L											< 0.005	
Chromium	2019-03	mg/L	< 0.005	**0.00103 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00111 J**	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2019-04	mg/L												
Chromium	2019-08	mg/L	< 0.005	**0.00635**	< 0.005	**0.00262 J**	< 0.005	< 0.005	< 0.005	**0.00128 J**	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2020-03	mg/L		**0.00279 J**		< 0.005	< 0.02	< 0.005	< 0.02	**0.00148 J**	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2020-04	mg/L	< 0.005		< 0.005									
Chromium	2020-08	mg/L	< 0.005	**0.00186 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00165 J**	< 0.005			< 0.005
Chromium	2021-03	mg/L				< 0.005								
Chromium	2021-08	mg/L	< 0.005	**0.00368 J**	< 0.005	**0.007**	< 0.005	< 0.005	< 0.005	**0.00179 J**	< 0.005			< 0.005
Chromium	2022-03	mg/L				< 0.005								
Chromium	2022-08	mg/L	< 0.005	**0.00195 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00128 J**	< 0.005			< 0.005
Chromium	2023-03	mg/L				< 0.005								
Chromium	2023-08	mg/L	< 0.005	**0.00236 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.002 J**	< 0.005			< 0.005
Chromium	2024-03	mg/L				< 0.005								
Chromium	2024-08	mg/L	< 0.005	**0.00185 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005
Chromium	2025-03	mg/L				< 0.005								
Chromium	2025-08	mg/L	< 0.005	**0.00214 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005
Chrysene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Chrysene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Chrysene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Chrysene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Chrysene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Chrysene	2015-06	ug/L						< 10.5	< 11.1					
Chrysene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Chrysene	2015-10	ug/L			< 10.3	< 10.5								
Chrysene	2016-03	ug/L												

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**
Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Chloromethane	2020-08	ug/L	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Chloromethane	2021-03	ug/L	< 3		< 3	< 3							< 3
Chloromethane	2021-08	ug/L	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Chloromethane	2022-03	ug/L	< 3		< 3	< 3							< 3
Chloromethane	2022-08	ug/L	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Chloromethane	2023-03	ug/L	< 3		< 3	< 3							< 3
Chloromethane	2023-08	ug/L	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Chloromethane	2024-03	ug/L	< 3		< 3	< 3							< 3
Chloromethane	2024-08	ug/L	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Chloromethane	2025-03	ug/L	< 3		< 3	< 3							< 3
Chloromethane	2025-08	ug/L	< 3	< 3	< 3 J	< 3	< 3			< 3	< 3	< 3	< 3
Chloroprene	2008-08	ug/L	< 1	< 1	< 1								
Chloroprene	2009-03	ug/L	< 1	< 1	< 1								
Chloroprene	2009-07	ug/L	< 1	< 1									
Chloroprene	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
Chloroprene	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
Chloroprene	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
Chloroprene	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
Chloroprene	2012-09	ug/L											
Chloroprene	2015-06	ug/L											
Chloroprene	2015-09	ug/L	< 1	< 1	< 1								
Chloroprene	2015-10	ug/L				< 1							
Chloroprene	2016-03	ug/L			< 1	< 1							
Chloroprene	2016-06	ug/L											
Chloroprene	2016-08	ug/L			< 1	< 1							
Chloroprene	2018-11	ug/L											
Chloroprene	2019-03	ug/L											
Chloroprene	2020-08	ug/L	< 1	< 1	< 1	< 1							
Chloroprene	2025-08	ug/L	< 1	< 1	< 1 J	< 1							
Chromium	2008-08	mg/L	< 0.05	< 0.05	< 0.05								
Chromium	2009-03	mg/L	< 0.05	< 0.05	< 0.05								
Chromium	2009-07	mg/L	< 0.05	< 0.05	< 0.05								
Chromium	2009-09	mg/L	< 0.0200	< 0.0200	< 0.0200								
Chromium	2010-03	mg/L	< 0.0200	< 0.0200	< 0.0200								
Chromium	2010-09	mg/L	< 0.0200	< 0.0200	< 0.0200								
Chromium	2011-03	mg/L	< 0.0200	< 0.0200	< 0.0200								
Chromium	2011-09	mg/L	< 0.0200	< 0.0200	< 0.0200								
Chromium	2012-03	mg/L	< 0.0200	< 0.0200	< 0.0200								
Chromium	2012-09	mg/L	< 0.0200	< 0.0200	< 0.0200								
Chromium	2013-03	mg/L	< 0.02	< 0.02	< 0.0200								
Chromium	2013-09	mg/L	**0.00188 J**	< 0.0200	< 0.0200	~~< 0.0200~~	< 0.0200	**0.00353 J**	< 0.0200	< 0.0200	< 0.0200		
Chromium	2013-11	mg/L				**~~0.00387 J~~**	**0.00160 J**	< 0.0200	< 0.0200	**0.00365 J**	< 0.0200		
Chromium	2014-03	mg/L	< 0.0200	**0.00199 J**	< 0.0200	**~~0.00383 J~~**	< 0.0200	< 0.0200	< 0.0200	**0.00299 J**	< 0.0200		
Chromium	2014-06	mg/L				~~< 0.0200~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200		
Chromium	2014-09	mg/L	< 0.005	< 0.005	< 0.005	~~< 0.005~~	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		
Chromium	2015-03	mg/L	< 0.00500	< 0.00500	< 0.005	**~~0.00149 J~~**	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500		
Chromium	2015-06	mg/L											
Chromium	2015-09	mg/L	< 0.005	< 0.005	< 0.005								
Chromium	2015-10	mg/L				< 0.005	< 0.005	< 0.005		< 0.005	< 0.005		
Chromium	2016-03	mg/L	< 0.005	< 0.005	< 0.005	**0.000468 J**	< 0.005	< 0.005		< 0.005	< 0.005		
Chromium	2016-06	mg/L											
Chromium	2016-08	mg/L	< 0.005	**0.000457 J**	< 0.005	**0.000654 J**	< 0.005	< 0.005		< 0.005	**0.000885 J**		
Chromium	2017-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005		
Chromium	2017-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005		
Chromium	2017-11	mg/L										< 0.005	< 0.005
Chromium	2018-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2018-06	mg/L										< 0.005	< 0.005
Chromium	2018-08	mg/L	< 0.005	**0.003 J**	< 0.005	< 0.005		< 0.005		< 0.005			
Chromium	2018-09	mg/L									< 0.005	< 0.005	< 0.005
Chromium	2018-11	mg/L										< 0.005	< 0.005
Chromium	2019-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
Chromium	2019-04	mg/L											< 0.005
Chromium	2019-08	mg/L	**0.00306 J**	**0.0102 J**	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	**0.00418 J**	< 0.005
Chromium	2020-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2020-04	mg/L											
Chromium	2020-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2021-03	mg/L	< 0.005		< 0.005	< 0.005							< 0.005
Chromium	2021-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			**0.00118 J**	< 0.005	< 0.005	< 0.005
Chromium	2022-03	mg/L	< 0.005		< 0.005	< 0.005							< 0.005
Chromium	2022-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2023-03	mg/L	< 0.005		< 0.005	< 0.005							< 0.005
Chromium	2023-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2024-03	mg/L	< 0.005		< 0.005	< 0.005							< 0.005
Chromium	2024-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Chromium	2025-03	mg/L	< 0.005		< 0.005	< 0.005							< 0.005
Chromium	2025-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Chrysene	2008-08	ug/L	< 10	< 10	< 10								
Chrysene	2009-03	ug/L	< 10	< 10	< 10								
Chrysene	2009-07	ug/L	< 10	< 10	< 10.0								
Chrysene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Chrysene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Chrysene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Chrysene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Chrysene	2015-06	ug/L											
Chrysene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Chrysene	2015-10	ug/L				< 10.6							
Chrysene	2016-03	ug/L			< 10	< 10							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

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Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chrysene	2016-06	ug/L					< 11.4							
Chrysene	2016-08	ug/L					< 11							
Chrysene	2018-11	ug/L											< 11.6	
Chrysene	2019-03	ug/L											< 12.2	
Chrysene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Chrysene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
cis-1,2-Dichloroethene	2008-08	ug/L	< 1	**2.65**	< 1	**17.5**	< 1	< 1	< 1	**1.05**	**4.6**	< 1	< 1	< 1
cis-1,2-Dichloroethene	2009-03	ug/L	< 1	**2.21**	< 1	**15.2**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	2009-07	ug/L	< 1	**1.68**	< 1	**9.92**		< 1	< 1.00	< 1.00	< 1			
cis-1,2-Dichloroethene	2009-09	ug/L	< 1.00	**2.48**	< 1.00	**10.5**		< 1	< 1	**1.56**	< 1			
cis-1,2-Dichloroethene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	**5.66**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 2.00
cis-1,2-Dichloroethene	2010-09	ug/L	< 1.00	**2.07**	< 1.00	**5.66**	< 1.00	< 1.00	< 1.00	**1.11**	< 1.00	< 1.00	< 1.00	< 1.00
cis-1,2-Dichloroethene	2011-03	ug/L	< 1.00	**1.29**	< 1.00	**6.55**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
cis-1,2-Dichloroethene	2011-09	ug/L	< 1.00	**2.40**	< 1.00	**4.11**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
cis-1,2-Dichloroethene	2012-03	ug/L	< 1.00	**1.61**	< 1.00	**5.69**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
cis-1,2-Dichloroethene	2012-09	ug/L	< 1.00	**1.60**	< 1.00	**5.50**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
cis-1,2-Dichloroethene	2013-03	ug/L	< 1.00	**0.419 J**	< 1	**5.94**	< 1	< 1	**0.133 J**	< 1	< 1.00	< 1	< 1	< 1
cis-1,2-Dichloroethene	2013-09	ug/L	< 1.00	**2.29**	< 1.00	**3.09**	< 1.00	< 1.00	**0.171 J**	**0.616 J**	**0.496 J**	< 1.00	< 1.00	< 1.00
cis-1,2-Dichloroethene	2013-11	ug/L												
cis-1,2-Dichloroethene	2014-03	ug/L	< 1.00	**3.11**	< 1.00	**1.07**	< 1.00	< 1.00	< 1.00	**0.402 J**	< 1.00	< 1.00	< 1.00	< 1.00
cis-1,2-Dichloroethene	2014-06	ug/L												
cis-1,2-Dichloroethene	2014-09	ug/L	< 1	**2.11**	< 1	**1.86**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	2015-03	ug/L	< 1.00	< 1	< 1.00	**1.45**	< 1	< 1	**0.156 J**	**0.418 J**	**0.478 J**	< 1	< 1.00	< 1.00
cis-1,2-Dichloroethene	2015-06	ug/L						**0.191 J**	**0.187 J**					
cis-1,2-Dichloroethene	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	**0.63 J**	< 1	< 1		
cis-1,2-Dichloroethene	2015-10	ug/L			< 1	**0.973 J**							< 1	< 1
cis-1,2-Dichloroethene	2016-03	ug/L	< 1	< 1	< 1	**0.578 J**	< 1	**0.286 J**	< 1	**0.512 J**	**1.27**	< 1	< 1	< 1
cis-1,2-Dichloroethene	2016-06	ug/L					< 1							
cis-1,2-Dichloroethene	2016-08	ug/L	< 1	< 1	< 1	**0.345 J**	< 1	< 1	< 1	**0.587 J**	**0.9 J**	< 1	< 1	< 1
cis-1,2-Dichloroethene	2017-03	ug/L	< 1	< 1	< 1	**0.442 J**	< 1	< 1	< 1	**0.502 J**	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	2017-08	ug/L	< 1	< 1	< 1	**0.607 J**	< 1	< 1	< 1	**0.522 J**	**0.577 J**	< 1	< 1	< 1
cis-1,2-Dichloroethene	2017-11	ug/L												
cis-1,2-Dichloroethene	2018-03	ug/L	< 1	< 1	< 1	**1.21**	< 1	< 1	< 1	**0.272 J**	**0.743 J**	< 1	< 1	< 1
cis-1,2-Dichloroethene	2018-06	ug/L												
cis-1,2-Dichloroethene	2018-08	ug/L	< 1	< 1	< 1	**1.08**	< 1	< 1			**0.489 J**	< 1	< 1	< 1
cis-1,2-Dichloroethene	2018-09	ug/L							< 1	**0.391 J**				
cis-1,2-Dichloroethene	2018-11	ug/L											< 1	
cis-1,2-Dichloroethene	2019-03	ug/L	< 1	**0.617 J**	< 1	< 1	< 1	< 1	**0.417 J**	**0.681 J**	**0.402 J**	< 1	**2.77**	< 1
cis-1,2-Dichloroethene	2019-04	ug/L												
cis-1,2-Dichloroethene	2019-08	ug/L	< 1	< 1	< 1	**0.394 J**	< 1	< 1	< 1	**0.977 J**	**0.7 J**	< 1	< 1	< 1
cis-1,2-Dichloroethene	2020-03	ug/L		< 1		**0.992 J**	< 1	< 1	< 1	**1.14**	**1.38**	< 1	< 1	< 1
cis-1,2-Dichloroethene	2020-04	ug/L	< 1		< 1									
cis-1,2-Dichloroethene	2020-08	ug/L	< 1	< 1	< 1	**0.876 J**	< 1	< 1	< 1	**0.756 J**	**0.845 J**			< 1
cis-1,2-Dichloroethene	2021-03	ug/L				< 1								
cis-1,2-Dichloroethene	2021-08	ug/L	< 1	< 10	< 1	**0.46 J**	< 1	< 1	< 1	**0.446 J**	**1.13**			< 1
cis-1,2-Dichloroethene	2022-03	ug/L				**0.996 J**								
cis-1,2-Dichloroethene	2022-08	ug/L	< 1	< 1	< 1	**0.937 J**	< 1	< 1	< 1	**0.5 J**	**0.719 J**			< 1
cis-1,2-Dichloroethene	2023-03	ug/L				**1.15**								
cis-1,2-Dichloroethene	2023-08	ug/L	< 1	< 1	< 1	**0.837 J**	< 1	< 1	< 1	< 1	**0.353 J**			< 1
cis-1,2-Dichloroethene	2024-03	ug/L				< 1								
cis-1,2-Dichloroethene	2024-08	ug/L	< 1	< 1	< 1	**0.81 J**	< 1	< 1	**0.228 J**	**0.757 J**	**1.1**			< 1
cis-1,2-Dichloroethene	2025-03	ug/L				**0.369 J**								
cis-1,2-Dichloroethene	2025-08	ug/L	< 1	**0.24 J**	< 1	**0.514 J**	< 1	< 1	< 1	**0.695 J**	**0.865 J**			< 1
cis-1,3-Dichloropropene	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2009-07	ug/L	< 5	< 5	< 5	< 5		< 5	< 5.00	< 5.00	< 5			
cis-1,3-Dichloropropene	2009-09	ug/L	< 5.00	< 5	< 5.00	< 25.0		< 5	< 5	< 5	< 5			
cis-1,3-Dichloropropene	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
cis-1,3-Dichloropropene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 5.00	< 5.00	< 5.00	< 10.0	< 5.00	< 5.00	< 5.00	< 5.00
cis-1,3-Dichloropropene	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
cis-1,3-Dichloropropene	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
cis-1,3-Dichloropropene	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
cis-1,3-Dichloropropene	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
cis-1,3-Dichloropropene	2013-03	ug/L	< 5.00	< 5.00	< 5	< 5	< 5	< 5	< 5	< 5	< 5.00	< 5	< 5	< 5
cis-1,3-Dichloropropene	2013-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
cis-1,3-Dichloropropene	2013-11	ug/L												
cis-1,3-Dichloropropene	2014-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
cis-1,3-Dichloropropene	2014-06	ug/L												
cis-1,3-Dichloropropene	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2015-03	ug/L	< 5.00	< 5	< 5.00	< 5.00	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5.00	< 5.00
cis-1,3-Dichloropropene	2015-06	ug/L						< 5	< 5					
cis-1,3-Dichloropropene	2015-09	ug/L	< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5		
cis-1,3-Dichloropropene	2015-10	ug/L			< 5	< 5							< 5	< 5
cis-1,3-Dichloropropene	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2016-06	ug/L					< 5							
cis-1,3-Dichloropropene	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2017-11	ug/L												
cis-1,3-Dichloropropene	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2018-06	ug/L												
cis-1,3-Dichloropropene	2018-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2018-09	ug/L							< 5	< 5				
cis-1,3-Dichloropropene	2018-11	ug/L											< 5	
cis-1,3-Dichloropropene	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2019-04	ug/L												
cis-1,3-Dichloropropene	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Chrysene	2016-06	ug/L											
Chrysene	2016-08	ug/L			< 11.1	< 11.5							
Chrysene	2018-11	ug/L											
Chrysene	2019-03	ug/L											
Chrysene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Chrysene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
cis-1,2-Dichloroethene	2008-08	ug/L	< 1	**1.84**	< 1								
cis-1,2-Dichloroethene	2009-03	ug/L	< 1	**1.19**	< 1								
cis-1,2-Dichloroethene	2009-07	ug/L	< 1	< 1									
cis-1,2-Dichloroethene	2009-09	ug/L	< 1.00	**1.34**	< 1.00								
cis-1,2-Dichloroethene	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
cis-1,2-Dichloroethene	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
cis-1,2-Dichloroethene	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
cis-1,2-Dichloroethene	2011-09	ug/L	< 1.00	< 1.00	< 1.00								
cis-1,2-Dichloroethene	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
cis-1,2-Dichloroethene	2012-09	ug/L	< 1.00	< 1.00	< 1.00								
cis-1,2-Dichloroethene	2013-03	ug/L	< 1	**0.347 J**	< 1.00								
cis-1,2-Dichloroethene	2013-09	ug/L	**0.158 J**	**0.375 J**	< 1.00		< 1.00	< 1.00	< 1.00	**0.210 J**	< 1.00		
cis-1,2-Dichloroethene	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
cis-1,2-Dichloroethene	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
cis-1,2-Dichloroethene	2014-06	ug/L					< 1.00	< 1.00	< 1.00	**0.208 J**	< 1.00		
cis-1,2-Dichloroethene	2014-09	ug/L	< 1	**0.344 J**	< 1		< 1	< 1	< 1	**0.853 J**	< 1		
cis-1,2-Dichloroethene	2015-03	ug/L	< 1.00	**0.210 J**	< 1		< 1.00	< 1.00	< 1.00	**0.454 J**	< 1.00		
cis-1,2-Dichloroethene	2015-06	ug/L											
cis-1,2-Dichloroethene	2015-09	ug/L	< 1	< 1	< 1								
cis-1,2-Dichloroethene	2015-10	ug/L				< 1	< 1	< 1		**1.34**	< 1		
cis-1,2-Dichloroethene	2016-03	ug/L	**0.135 J**	**0.245 J**	< 1	< 1	< 1	< 1		**0.657 J**	< 1		
cis-1,2-Dichloroethene	2016-06	ug/L											
cis-1,2-Dichloroethene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		**0.429 J**	< 1		
cis-1,2-Dichloroethene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		**0.349 J**	< 1		
cis-1,2-Dichloroethene	2017-08	ug/L	< 1	**0.245 J**	< 1	< 1	< 1	< 1		**0.42 J**	< 1		
cis-1,2-Dichloroethene	2017-11	ug/L										< 1	**0.582 J**
cis-1,2-Dichloroethene	2018-03	ug/L	**0.14 J**	**0.229 J**	< 1	< 1	< 1	< 1		**0.475 J**	< 1	< 1	**0.735 J**
cis-1,2-Dichloroethene	2018-06	ug/L										< 1	**0.706 J**
cis-1,2-Dichloroethene	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		**0.279 J**			
cis-1,2-Dichloroethene	2018-09	ug/L									< 1	< 1	**0.612 J**
cis-1,2-Dichloroethene	2018-11	ug/L										< 1	**0.506 J**
cis-1,2-Dichloroethene	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	**0.726 J**	< 1	< 1	
cis-1,2-Dichloroethene	2019-04	ug/L											**0.464 J**
cis-1,2-Dichloroethene	2019-08	ug/L	< 1	**0.254 J**	< 1	< 1	< 1	< 1		**1.56**	< 1	< 1	**0.555 J**
cis-1,2-Dichloroethene	2020-03	ug/L	< 1	**0.226 J**	< 1	< 1	< 1	< 1		**0.649 J**	< 1	< 1	**0.596 J**
cis-1,2-Dichloroethene	2020-04	ug/L											
cis-1,2-Dichloroethene	2020-08	ug/L	< 1	**0.266 J**	< 1	< 1	< 1			**1.38**	< 1	< 1	**0.537 J**
cis-1,2-Dichloroethene	2021-03	ug/L	< 1		< 1	< 1							**0.566 J**
cis-1,2-Dichloroethene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	**0.466 J**
cis-1,2-Dichloroethene	2022-03	ug/L	< 1		< 1	< 1							**0.462 J**
cis-1,2-Dichloroethene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			**0.428 J**	< 1	< 1	**0.4 J**
cis-1,2-Dichloroethene	2023-03	ug/L	< 1		< 1	< 1							**0.423 J**
cis-1,2-Dichloroethene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	2024-03	ug/L	< 1		< 1	< 1							< 1
cis-1,2-Dichloroethene	2024-08	ug/L	**0.232 J**	< 1	< 1	< 1	< 1			**0.815 J**	< 1	< 1	**0.403 J**
cis-1,2-Dichloroethene	2025-03	ug/L	< 1		< 1	< 1							< 1
cis-1,2-Dichloroethene	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene	2008-08	ug/L	< 5	< 5	< 5								
cis-1,3-Dichloropropene	2009-03	ug/L	< 5	< 5	< 5								
cis-1,3-Dichloropropene	2009-07	ug/L	< 5	< 5									
cis-1,3-Dichloropropene	2009-09	ug/L	< 5.00	< 5.00	< 5.00								
cis-1,3-Dichloropropene	2010-03	ug/L	< 5.00	< 5.00	< 5.00								
cis-1,3-Dichloropropene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
cis-1,3-Dichloropropene	2011-03	ug/L	< 5.00	< 5.00	< 5.00								
cis-1,3-Dichloropropene	2011-09	ug/L	< 5.00	< 5.00	< 5.00								
cis-1,3-Dichloropropene	2012-03	ug/L	< 5.00	< 5.00	< 5.00								
cis-1,3-Dichloropropene	2012-09	ug/L	< 5.00	< 5.00	< 5.00								
cis-1,3-Dichloropropene	2013-03	ug/L	< 5	< 5	< 5.00								
cis-1,3-Dichloropropene	2013-09	ug/L	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
cis-1,3-Dichloropropene	2013-11	ug/L					< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
cis-1,3-Dichloropropene	2014-03	ug/L	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
cis-1,3-Dichloropropene	2014-06	ug/L					< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
cis-1,3-Dichloropropene	2014-09	ug/L	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5		
cis-1,3-Dichloropropene	2015-03	ug/L	< 5.00	< 5.00	< 5		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
cis-1,3-Dichloropropene	2015-06	ug/L											
cis-1,3-Dichloropropene	2015-09	ug/L	< 5	< 5	< 5								
cis-1,3-Dichloropropene	2015-10	ug/L				< 5	< 5	< 5		< 5	< 5		
cis-1,3-Dichloropropene	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
cis-1,3-Dichloropropene	2016-06	ug/L											
cis-1,3-Dichloropropene	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
cis-1,3-Dichloropropene	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
cis-1,3-Dichloropropene	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
cis-1,3-Dichloropropene	2017-11	ug/L										< 5	< 5
cis-1,3-Dichloropropene	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2018-06	ug/L										< 5	< 5
cis-1,3-Dichloropropene	2018-08	ug/L	< 5	< 5	< 5	< 5		< 5		< 5			
cis-1,3-Dichloropropene	2018-09	ug/L									< 5	< 5	< 5
cis-1,3-Dichloropropene	2018-11	ug/L										< 5	< 5
cis-1,3-Dichloropropene	2019-03	ug/L	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	
cis-1,3-Dichloropropene	2019-04	ug/L											< 5
cis-1,3-Dichloropropene	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene	2020-03	ug/L		< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2020-04	ug/L	< 5		< 5									
cis-1,3-Dichloropropene	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
cis-1,3-Dichloropropene	2021-03	ug/L				< 5								
cis-1,3-Dichloropropene	2021-08	ug/L	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
cis-1,3-Dichloropropene	2022-03	ug/L				< 5								
cis-1,3-Dichloropropene	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
cis-1,3-Dichloropropene	2023-03	ug/L				< 5								
cis-1,3-Dichloropropene	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
cis-1,3-Dichloropropene	2024-03	ug/L				< 5								
cis-1,3-Dichloropropene	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
cis-1,3-Dichloropropene	2025-03	ug/L				< 5								
cis-1,3-Dichloropropene	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Cobalt	2008-08	mg/L	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~	< 0.05	< 0.05	~~< 0.05~~	< 0.05	< 0.05	< 0.05	< 0.05
Cobalt	2009-03	mg/L	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~	< 0.05	< 0.05	~~< 0.05~~	< 0.05	< 0.05	< 0.05	< 0.05
Cobalt	2009-07	mg/L	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~		< 0.05	< 0.05	~~< 0.05~~	< 0.05	< 0.05	< 0.05	< 0.05
Cobalt	2009-09	mg/L	~~< 0.0200~~	~~< 0.02~~		~~< 0.0200~~		< 0.02	< 0.02	~~< 0.02~~	< 0.02	< 0.02		
Cobalt	2010-03	mg/L	~~< 0.0200~~	~~< 0.0200~~	~~< 0.0200~~	~~**0.0242**~~	~~< 0.0200~~	< 0.0200	< 0.0200	~~< 0.0200~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Cobalt	2010-09	mg/L	**0.00636 J**	~~**0.00239 J**~~	~~< 0.0200~~	~~**0.00934 J**~~	~~< 0.0200~~	**0.00160 J**	< 0.0200	~~**0.00541 J**~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Cobalt	2011-03	mg/L	**0.00834 J**	~~< 0.0200~~	~~< 0.0200~~	~~**0.00700 J**~~	~~< 0.0200~~	< 0.0200	< 0.0200	~~**0.00193 J**~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Cobalt	2011-09	mg/L	**0.00615 J**	~~**0.00165 J**~~	~~< 0.0200~~	~~**0.00456 J**~~	~~< 0.0200~~	< 0.0200	< 0.0200	~~**0.00192 J**~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Cobalt	2012-03	mg/L	**0.00948 J**	~~< 0.0200~~	~~< 0.0200~~	~~**0.00570 J**~~	~~< 0.0200~~	< 0.0200	< 0.0200	~~**0.00301 J**~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Cobalt	2012-09	mg/L	**0.00999 J**	~~**0.00208 J**~~	~~< 0.0200~~	~~**0.00256 J**~~	~~< 0.0200~~	< 0.0200	< 0.0200	~~**0.00324 J**~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Cobalt	2013-03	mg/L	**0.00882 J**	~~**0.00490 J**~~	~~< 0.02~~	~~**0.00879 J**~~	~~< 0.02~~	< 0.02	**0.00201 J**	~~**0.00425 J**~~	< 0.0200	< 0.02	< 0.02	< 0.02
Cobalt	2013-09	mg/L	**0.00740**	~~**0.00150 J**~~	~~< 0.00700~~	~~< 0.00700~~	~~< 0.00700~~	< 0.00700	< 0.00700	~~< 0.00700~~	< 0.00700	< 0.00700	< 0.00700	< 0.00700
Cobalt	2013-11	mg/L												
Cobalt	2014-03	mg/L	**0.00827**	~~< 0.0140~~	~~< 0.00700~~	~~**0.00247 J**~~	~~< 0.00700~~	< 0.00700	< 0.00700	~~**0.00502 J**~~	< 0.00700	< 0.00700	< 0.00700	< 0.00700
Cobalt	2014-06	mg/L												
Cobalt	2014-09	mg/L	**0.0079**	**0.00163**	**0.000372 J**	**0.00289**	**0.000574**	< 0.0005	**0.00054**	**0.00338**	< 0.0005	**0.000124 J**	**0.000321 J**	< 0.0005
Cobalt	2015-03	mg/L	**0.00881**	**0.0058**	**0.000388 J**	**0.00261**	**0.00125**	< 0.0005	**0.000582**	**0.00272**	< 0.0005	**0.000182 J**	**0.000895**	< 0.000500
Cobalt	2015-06	mg/L						< 0.0005	**0.000724**					
Cobalt	2015-09	mg/L	**0.00912**	**0.00411**			**0.00247**	< 0.0005	**0.000441 J**	**0.00246**	< 0.0005	**0.000136 J**		
Cobalt	2015-10	mg/L			**0.000721**	**0.00108**							< 0.0005	< 0.0005
Cobalt	2016-03	mg/L	**0.00985**	**0.00574**	**0.00078**	**0.00123**	**0.00215**	< 0.0005	**0.000494 J**	**0.00345**	< 0.0005	**0.000135 J**	**0.000905**	< 0.0005
Cobalt	2016-06	mg/L					**0.00197**							
Cobalt	2016-08	mg/L	**0.00924**	**0.00422**	**0.000632**	**0.00215**	**0.000956**	**0.000028 J**	**0.000405 J**	**0.00246**	< 0.0005	**0.000145 J**	**0.000284 J**	< 0.0005
Cobalt	2017-03	mg/L	**0.00942**	**0.00373**	**0.000875**	**0.00148**	**0.00155**	**0.000052 J**	**0.00052**	**0.00327**	< 0.0005	**0.000182 J**	**0.000999**	< 0.0005
Cobalt	2017-08	mg/L	**0.00788**	**0.00397**	**0.000743**	**0.00103**	**0.00129**	< 0.0005	**0.00025 J**	**0.0028**	< 0.0005	**0.000136 J**	**0.000803**	< 0.0005
Cobalt	2017-11	mg/L												
Cobalt	2018-03	mg/L	**0.00981**	**0.00602**	**0.000566**	**0.000782**	**0.00139**	< 0.0005	**0.000426 J**	**0.00271**	< 0.0005	**0.000143 J**	**0.000501**	< 0.0005
Cobalt	2018-06	mg/L												
Cobalt	2018-08	mg/L	**0.00918**	**0.00493**	**0.000877**	**0.000614**	**0.00213**	< 0.0005			< 0.0005	**0.000127 J**	**0.001**	**0.000068 J**
Cobalt	2018-09	mg/L							**0.000257 J**	**0.00246**				
Cobalt	2018-11	mg/L											**0.0007**	
Cobalt	2019-03	mg/L	**0.0118**	**0.00234**	**0.00077**	**0.00243**	**0.00368**	< 0.0005	**0.000533**	**0.0034**	< 0.0005	**0.000161 J**	**0.000504**	< 0.0005
Cobalt	2019-04	mg/L												
Cobalt	2019-08	mg/L	**0.00792**	**0.00431**	**0.000792**	**0.00114**	**0.00138**	< 0.0005	**0.00016 J**	**0.00306**	< 0.0005	**0.000131 J**	**0.000497 J**	< 0.0005
Cobalt	2020-03	mg/L		**0.00572**		**0.00102**	**0.00156 J**	< 0.0005	< 0.002	**0.00322**	< 0.0005	**0.000108 J**	**0.000347 J**	< 0.0005
Cobalt	2020-04	mg/L	**0.00876**		**0.000802**									
Cobalt	2020-08	mg/L	**0.009**	**0.00411**	**0.000896**	**0.000785**	**0.00243**	< 0.0005	**0.000168 J**	**0.00383**	< 0.0005			< 0.0005
Cobalt	2021-03	mg/L				**0.000849**								
Cobalt	2021-08	mg/L	**0.00852**	**0.00741**	**0.000933**	**0.00111**	**0.00209**	**0.000221 J**	**0.000206 J**	**0.00328**	< 0.0005			< 0.0005
Cobalt	2022-03	mg/L				**0.00111**								
Cobalt	2022-08	mg/L	**0.00919**	**0.00401**	**0.000956**	**0.000601**	**0.00372**	**0.000214 J**	**0.000243 J**	**0.00272**	< 0.0005			< 0.0005
Cobalt	2023-03	mg/L				**0.000698**								
Cobalt	2023-08	mg/L	**0.01**	**0.00489**	**0.000822**	**0.000874**	**0.0032**	< 0.0005	< 0.0005	**0.00338**	**0.000175 J**			< 0.0005
Cobalt	2024-03	mg/L				**0.00126**								
Cobalt	2024-08	mg/L	**0.0104**	**0.00408**	**0.00097**	**0.000543**	**0.00515**	< 0.0005	< 0.0005	**0.00254**	< 0.0005			< 0.0005
Cobalt	2025-03	mg/L				**0.000538**								
Cobalt	2025-08	mg/L	**0.0084**	**0.00464**	**0.000935**	**0.000888**	**0.00216**	< 0.0005	< 0.0005	**0.00255**	< 0.0005			< 0.0005
Copper	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Copper	2009-03	mg/L	**0.055**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Copper	2009-07	mg/L	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Copper	2009-09	mg/L	< 0.0200	< 0.02		< 0.0200		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		
Copper	2010-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Copper	2010-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Copper	2011-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Copper	2011-09	mg/L	**0.0244**	< 0.0200	< 0.0200	< 0.0200	**0.0301**	**0.0345**	**0.0325**	**0.0289**	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Copper	2012-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Copper	2012-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Copper	2013-03	mg/L	**0.00182 J**	< 0.0400	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.0200	**0.00151 J**	< 0.02 J	< 0.02
Copper	2013-09	mg/L	< 0.0200 J	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Copper	2013-11	mg/L												
Copper	2014-03	mg/L	**0.00465 J**	< 0.0400	< 0.0200	**0.00166 J**	< 0.0200	< 0.0200	< 0.0200	< 0.0400	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Copper	2014-06	mg/L												
Copper	2014-09	mg/L	**0.00371**	< 0.002	< 0.002	**0.00051 J**	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Copper	2015-03	mg/L	**0.00321**	< 0.002	< 0.00200	< 0.00200 J	< 0.002	< 0.002	< 0.00200	< 0.00200	< 0.002	< 0.002	< 0.00200	< 0.00200
Copper	2015-06	mg/L						< 0.002	< 0.002					
Copper	2015-09	mg/L	**0.00267**	< 0.002			< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	**0.00104 J**		
Copper	2015-10	mg/L			< 0.002 J	< 0.002							< 0.002	< 0.002
Copper	2016-03	mg/L	**0.00294 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2016-06	mg/L					< 0.005							
Copper	2016-08	mg/L	**0.00759**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2017-03	mg/L	**0.00359 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2017-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2017-11	mg/L												
Copper	2018-03	mg/L	**0.00299 J**	< 0.005	< 0.005	**0.00417 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
cis-1,3-Dichloropropene	2020-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2020-04	ug/L											
cis-1,3-Dichloropropene	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2021-03	ug/L	< 5		< 5	< 5							< 5
cis-1,3-Dichloropropene	2021-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2022-03	ug/L	< 5		< 5	< 5							< 5
cis-1,3-Dichloropropene	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2023-03	ug/L	< 5		< 5	< 5							< 5
cis-1,3-Dichloropropene	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2024-03	ug/L	< 5		< 5	< 5							< 5
cis-1,3-Dichloropropene	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	2025-03	ug/L	< 5		< 5	< 5							< 5
cis-1,3-Dichloropropene	2025-08	ug/L	< 5	< 5	< 5 J	< 5	< 5			< 5	< 5	< 5	< 5
Cobalt	2008-08	mg/L	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~								
Cobalt	2009-03	mg/L	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~								
Cobalt	2009-07	mg/L	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~								
Cobalt	2009-09	mg/L	~~< 0.0200~~	~~< 0.0200~~	~~< 0.0200~~								
Cobalt	2010-03	mg/L	~~< 0.0200~~	~~< 0.0200~~	~~< 0.0200~~								
Cobalt	2010-09	mg/L	~~< 0.0200~~	**~~0.00172 J~~**	~~< 0.0200~~								
Cobalt	2011-03	mg/L	~~< 0.0200~~	~~< 0.0200~~	~~< 0.0200~~								
Cobalt	2011-09	mg/L	~~< 0.0200~~	~~< 0.0200~~	~~< 0.0200~~								
Cobalt	2012-03	mg/L	~~< 0.0200~~	~~< 0.0200~~	~~< 0.0200~~								
Cobalt	2012-09	mg/L	**~~0.00298 J~~**	~~< 0.0200~~	~~< 0.0200~~								
Cobalt	2013-03	mg/L	~~< 0.02~~	**~~0.00274 J~~**	~~< 0.0200~~								
Cobalt	2013-09	mg/L	~~< 0.00700~~	~~< 0.00700~~	~~< 0.00700~~	~~< 0.00700~~	~~< 0.00700~~	< 0.00700	< 0.00700	~~< 0.00700~~	~~< 0.00700~~		
Cobalt	2013-11	mg/L				**~~0.0127~~**	~~< 0.00700~~	< 0.00700	**0.00324 J**	**~~0.00209 J~~**	**~~0.00155 J~~**		
Cobalt	2014-03	mg/L	~~< 0.00700~~	**~~0.00132 J~~**	~~< 0.00700~~	**~~0.00230 J~~**	~~< 0.00700~~	< 0.00700	**0.00180 J**	~~< 0.00700~~	~~< 0.00700~~		
Cobalt	2014-06	mg/L				~~< 0.00700~~	~~< 0.00700~~	< 0.00700	< 0.00700	~~< 0.00700~~	~~< 0.00700~~		
Cobalt	2014-09	mg/L	**0.000997**	**0.0015**	**0.000203 J**	**~~0.00126~~**	**0.000583**	**0.000119 J**	**0.00121**	**0.00224**	**0.00191**		
Cobalt	2015-03	mg/L	**0.00114**	**0.00136**	**0.000107 J**	**~~0.000396 J~~**	**0.000805**	**0.000505**	**0.00137**	**0.00233**	**0.00115**		
Cobalt	2015-06	mg/L											
Cobalt	2015-09	mg/L	**0.00127**	**0.00143**	**0.000338 J**								
Cobalt	2015-10	mg/L				**0.000363 J**	**0.000671**	**0.000172 J**		**0.00249**	**0.00104**		
Cobalt	2016-03	mg/L	**0.00122**	**0.00117**	**0.000226 J**	**0.000359 J**	**0.000672**	**0.000382 J**		**0.00227**	**0.000954**		
Cobalt	2016-06	mg/L											
Cobalt	2016-08	mg/L	**0.00115**	**0.00128**	**0.000206 J**	**0.000373 J**	**0.000962**	**0.000375 J**		**0.00224**	**0.000938**		
Cobalt	2017-03	mg/L	**0.00112**	**0.00129**	**0.000116 J**	**0.000948**	**0.000827**	**0.000614**		**0.00276**	**0.00323**		
Cobalt	2017-08	mg/L	**0.0013**	**0.00175**	**0.000176 J**	**0.000337 J**	**0.000735**	**0.000546**		**0.00264**	**0.00257**		
Cobalt	2017-11	mg/L										**0.00262**	**0.0269**
Cobalt	2018-03	mg/L	**0.00129**	**0.00132**	**0.000142 J**	**0.000415 J**	**0.00082**	**0.000659**		**0.00294**	**0.00197**	**0.00387**	**0.0191**
Cobalt	2018-06	mg/L										**0.00515**	**0.0232**
Cobalt	2018-08	mg/L	**0.00114**	**0.00201**	**0.000132 J**	**0.000359 J**		**0.000775**		**0.00297**			
Cobalt	2018-09	mg/L									**0.0021**	**0.00558**	**0.0214**
Cobalt	2018-11	mg/L										**0.00653**	**0.0192**
Cobalt	2019-03	mg/L	**0.0014**	**0.00132**	< 0.0005	**0.00035 J**		**0.000743**	**0.000578**	**0.00333**	**0.00259**	**0.00824**	
Cobalt	2019-04	mg/L											**0.016**
Cobalt	2019-08	mg/L	**0.00144**	**0.00201**	**0.000158 J**	< 0.0005	**0.000816**	**0.00122**		**0.00499**	**0.00381**		**0.0181**
Cobalt	2020-03	mg/L	**0.00128**	**0.0017**	**0.000099 J**	**0.000414 J**	**0.000948**	**0.00103**		**0.00372**	**0.00292**		**0.0184**
Cobalt	2020-04	mg/L											
Cobalt	2020-08	mg/L	**0.00148**	**0.00187**	**0.000141 J**	**0.000361 J**	**0.000504**			**0.00732**	**0.00298**		**0.0194**
Cobalt	2021-03	mg/L	**0.00135**		**0.000113 J**	**0.000413 J**							**0.018**
Cobalt	2021-08	mg/L	**0.00105**	**0.00165**	**0.000117 J**	**0.000498 J**	**0.00103**			**0.00383**	**0.00725**		**0.0168**
Cobalt	2022-03	mg/L	**0.000995**		< 0.0005	**0.000454 J**							**0.0163**
Cobalt	2022-08	mg/L	**0.00115**	**0.00153**	< 0.0005	**0.000278 J**	**0.000878**			**0.00277**	**0.00352**		**0.0191**
Cobalt	2023-03	mg/L	**0.00104**		< 0.0005	**0.000382 J**							**0.0173**
Cobalt	2023-08	mg/L	**0.00147**	**0.00126**	**0.000186 J**	**0.000378 J**	**0.00105**			**0.00315**	**0.00275**		**0.0169**
Cobalt	2024-03	mg/L	**0.00127**		< 0.0005	**0.000359 J**							**0.0191**
Cobalt	2024-08	mg/L	**0.00139**	**0.0013**	< 0.0005	**0.000175 J**	**0.00106**			**0.00945**	**0.00224**		**0.0173**
Cobalt	2025-03	mg/L	**0.0013**		< 0.0005	**0.000246 J**							**0.0157**
Cobalt	2025-08	mg/L	**0.00114**	**0.00131**	< 0.0005	**0.00018 J**	**0.00159**			**0.00455**	**0.00138**	**0.00437**	**0.0155**
Copper	2008-08	mg/L	< 0.05	< 0.05	~~< 0.05~~								
Copper	2009-03	mg/L	< 0.02	< 0.02	< 0.02								
Copper	2009-07	mg/L	< 0.02	< 0.02	< 0.02								
Copper	2009-09	mg/L	< 0.0200	< 0.0200	< 0.0200								
Copper	2010-03	mg/L	< 0.0200	< 0.0200	< 0.0200								
Copper	2010-09	mg/L	< 0.0200	< 0.0200	< 0.0200								
Copper	2011-03	mg/L	< 0.0200	< 0.0200	< 0.0200								
Copper	2011-09	mg/L	< 0.0200	< 0.0200	< 0.0200								
Copper	2012-03	mg/L	< 0.0200	< 0.0200	< 0.0200								
Copper	2012-09	mg/L	< 0.0200	< 0.0200	< 0.0200								
Copper	2013-03	mg/L	< 0.02	< 0.02	< 0.0200								
Copper	2013-09	mg/L	< 0.0200	< 0.0200	< 0.0200 J	~~< 0.0200~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200		
Copper	2013-11	mg/L				~~< 0.0200 J~~	**0.00193 J**	< 0.0200	**0.00204 J**	**0.00224 J**	< 0.0200		
Copper	2014-03	mg/L	< 0.0200	< 0.0200	< 0.0200	**~~0.00172 J~~**	< 0.0200	< 0.0200	< 0.0200	**0.00176 J**	< 0.0200		
Copper	2014-06	mg/L				~~< 0.0200~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200		
Copper	2014-09	mg/L	< 0.002	< 0.002	< 0.002	**~~0.00111 J~~**	< 0.002	< 0.002	< 0.002	**0.000962 J**	< 0.002		
Copper	2015-03	mg/L	< 0.00200 J	< 0.00200	< 0.002	~~< 0.00200~~	< 0.00200 J	< 0.00200 J	< 0.00200 J	**0.00118 J**	< 0.00200 J		
Copper	2015-06	mg/L											
Copper	2015-09	mg/L	**0.00114 J**	< 0.002	< 0.002								
Copper	2015-10	mg/L				< 0.002	< 0.002	< 0.002		**0.000944 J**	< 0.002 J		
Copper	2016-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005		
Copper	2016-06	mg/L											
Copper	2016-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005		
Copper	2017-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005		
Copper	2017-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005		
Copper	2017-11	mg/L										< 0.005	< 0.005
Copper	2018-03	mg/L	< 0.005	< 0.005	< 0.005	**0.0108**	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Copper	2018-06	mg/L												
Copper	2018-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00298 J**	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Copper	2018-09	mg/L							< 0.005	< 0.005				
Copper	2018-11	mg/L											< 0.005	
Copper	2019-03	mg/L	**0.00354 J**	< 0.005	< 0.005	< 0.005	**0.00614**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2019-04	mg/L												
Copper	2019-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2020-03	mg/L		< 0.005		< 0.005	< 0.02	< 0.005	< 0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Copper	2020-04	mg/L	< 0.005		< 0.005									
Copper	2020-08	mg/L	**0.00177 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005
Copper	2021-03	mg/L				< 0.005								
Copper	2021-08	mg/L	**0.00313 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005
Copper	2022-03	mg/L				< 0.005								
Copper	2022-08	mg/L	**0.00182 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005
Copper	2023-03	mg/L				< 0.005								
Copper	2023-08	mg/L	**0.00211 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005
Copper	2024-03	mg/L				< 0.005								
Copper	2024-08	mg/L	**0.00234 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005
Copper	2025-03	mg/L				< 0.005								
Copper	2025-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005
Cyanide	2008-08	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cyanide	2009-03	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cyanide	2010-09	mg/L	< 0.0100	< 0.0100	< 0.0100	< 0.0100				< 0.0100				
Cyanide	2015-06	mg/L						< 0.01	< 0.01					
Cyanide	2015-09	mg/L	< 0.01	< 0.01				< 0.01	< 0.01	< 0.01	< 0.01			
Cyanide	2015-10	mg/L			< 0.01	< 0.01								
Cyanide	2016-03	mg/L												
Cyanide	2016-06	mg/L					< 0.01							
Cyanide	2016-08	mg/L					< 0.01							
Cyanide	2018-11	mg/L											< 0.01	
Cyanide	2019-03	mg/L											< 0.01	
Cyanide	2020-08	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			
Cyanide	2021-03	mg/L												
Cyanide	2025-08	mg/L	< 0.01	< 0.01	< 0.01 R	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			
delta-BHC	2008-08	ug/L	< 0.054	< 0.053	< 0.047	< 0.047	< 0.052	< 0.053	< 0.054	< 0.056	< 0.053		< 0.053	
delta-BHC	2008-09	ug/L										< 0.016		< 0.016
delta-BHC	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
delta-BHC	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
delta-BHC	2012-03	ug/L												
delta-BHC	2013-03	ug/L												
delta-BHC	2014-03	ug/L												
delta-BHC	2015-06	ug/L						< 0.0348	< 0.032					
delta-BHC	2015-09	ug/L	< 0.0356	< 0.0356				< 0.036	< 0.0327	**0.00333 J**	< 0.0352			
delta-BHC	2015-10	ug/L			< 0.0372	< 0.0364								
delta-BHC	2016-03	ug/L												
delta-BHC	2016-06	ug/L					< 0.0364							
delta-BHC	2016-08	ug/L					< 0.0337							
delta-BHC	2017-03	ug/L												
delta-BHC	2017-08	ug/L												
delta-BHC	2018-11	ug/L											< 0.036	
delta-BHC	2019-03	ug/L											**0.00268 J**	
delta-BHC	2019-08	ug/L												
delta-BHC	2020-08	ug/L	< 0.0376	**0.00568 J**	< 0.0376	< 0.0376	< 0.0376	< 0.0376	**0.0035 J**	< 0.0376	< 0.039			
delta-BHC	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	< 0.0941	< 0.097	< 0.0897	< 0.0951			
Diallate	2008-08	ug/L	< 10	< 10	< 10	< 10	**2.27 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diallate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diallate	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Diallate	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Diallate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Diallate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Diallate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Diallate	2013-09	ug/L					< 10.2							
Diallate	2015-06	ug/L						< 10.5	< 11.1					
Diallate	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Diallate	2015-10	ug/L			< 10.3	< 10.5								
Diallate	2016-03	ug/L												
Diallate	2016-06	ug/L					< 11.4							
Diallate	2016-08	ug/L					< 11							
Diallate	2018-11	ug/L											< 11.6	
Diallate	2019-03	ug/L											< 12.2	
Diallate	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Diallate	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Dibenzo(a,h)anthracene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dibenzo(a,h)anthracene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dibenzo(a,h)anthracene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Dibenzo(a,h)anthracene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Dibenzo(a,h)anthracene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Dibenzo(a,h)anthracene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Dibenzo(a,h)anthracene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Dibenzo(a,h)anthracene	2015-06	ug/L						< 10.5	< 11.1					
Dibenzo(a,h)anthracene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Dibenzo(a,h)anthracene	2015-10	ug/L			< 10.3	< 10.5								
Dibenzo(a,h)anthracene	2016-03	ug/L												
Dibenzo(a,h)anthracene	2016-06	ug/L					< 11.4							
Dibenzo(a,h)anthracene	2016-08	ug/L					< 11							
Dibenzo(a,h)anthracene	2018-11	ug/L											< 11.6	
Dibenzo(a,h)anthracene	2019-03	ug/L											< 12.2	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

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Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Copper	2018-06	mg/L										< 0.005	< 0.005
Copper	2018-08	mg/L	< 0.005	**0.00324 J**	< 0.005	< 0.005		< 0.005		< 0.005			
Copper	2018-09	mg/L									< 0.005	< 0.005	< 0.005
Copper	2018-11	mg/L										< 0.005	< 0.005
Copper	2019-03	mg/L	**0.00514**	**0.0066**	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
Copper	2019-04	mg/L											< 0.005
Copper	2019-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005
Copper	2020-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005
Copper	2020-04	mg/L											
Copper	2020-08	mg/L	**0.00152 J**	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Copper	2021-03	mg/L	**0.0053**		< 0.005	< 0.005							< 0.005
Copper	2021-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			**0.00311 J**	< 0.005	< 0.005	< 0.005
Copper	2022-03	mg/L	< 0.005		< 0.005	< 0.005							< 0.005
Copper	2022-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Copper	2023-03	mg/L	< 0.005		< 0.005	< 0.005							< 0.005
Copper	2023-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Copper	2024-03	mg/L	< 0.005		< 0.005	< 0.005							< 0.005
Copper	2024-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	**0.00239 J**	< 0.005	< 0.005
Copper	2025-03	mg/L	< 0.005		< 0.005	< 0.005							< 0.005
Copper	2025-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Cyanide	2008-08	mg/L	< 0.01	< 0.01	< 0.01								
Cyanide	2009-03	mg/L	< 0.01	< 0.01	< 0.01								
Cyanide	2010-09	mg/L	< 0.0100	< 0.0100	< 0.0100								
Cyanide	2015-06	mg/L											
Cyanide	2015-09	mg/L	< 0.01	**0.0045 J**	< 0.01								
Cyanide	2015-10	mg/L				< 0.01							
Cyanide	2016-03	mg/L			< 0.01	< 0.01							
Cyanide	2016-06	mg/L											
Cyanide	2016-08	mg/L			< 0.01	< 0.01							
Cyanide	2018-11	mg/L											
Cyanide	2019-03	mg/L											
Cyanide	2020-08	mg/L	< 0.01	< 0.01	< 0.01	< 0.01							
Cyanide	2021-03	mg/L	< 0.01		< 0.01								
Cyanide	2025-08	mg/L	< 0.01	< 0.01	< 0.01	< 0.01							
delta-BHC	2008-08	ug/L	< 0.047	< 0.053									
delta-BHC	2008-09	ug/L			< 0.016								
delta-BHC	2009-03	ug/L	< 0.032	< 0.032	< 0.032								
delta-BHC	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
delta-BHC	2012-03	ug/L			< 0.0320								
delta-BHC	2013-03	ug/L			< 0.0344								
delta-BHC	2014-03	ug/L			< 0.0330								
delta-BHC	2015-06	ug/L											
delta-BHC	2015-09	ug/L	< 0.0344	< 0.0352	< 0.0352								
delta-BHC	2015-10	ug/L				< 0.0364							
delta-BHC	2016-03	ug/L			< 0.034	< 0.0356							
delta-BHC	2016-06	ug/L											
delta-BHC	2016-08	ug/L			< 0.0356	< 0.0327							
delta-BHC	2017-03	ug/L			< 0.0337	< 0.0356							
delta-BHC	2017-08	ug/L			< 0.0337	< 0.0344							
delta-BHC	2018-11	ug/L											
delta-BHC	2019-03	ug/L											
delta-BHC	2019-08	ug/L				< 0.0337							
delta-BHC	2020-08	ug/L	< 0.0376	**0.00435 J**	< 0.039	< 0.0376							
delta-BHC	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
Diallate	2008-08	ug/L	< 10	< 10	< 10								
Diallate	2009-03	ug/L	< 10	< 10	< 10								
Diallate	2009-07	ug/L	< 10	< 10	< 10.0								
Diallate	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Diallate	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Diallate	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Diallate	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Diallate	2013-09	ug/L											
Diallate	2015-06	ug/L											
Diallate	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Diallate	2015-10	ug/L				< 10.6							
Diallate	2016-03	ug/L			< 10	< 10							
Diallate	2016-06	ug/L											
Diallate	2016-08	ug/L			< 11.1	< 11.5							
Diallate	2018-11	ug/L											
Diallate	2019-03	ug/L											
Diallate	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Diallate	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Dibenzo(a,h)anthracene	2008-08	ug/L	< 10	< 10	< 10								
Dibenzo(a,h)anthracene	2009-03	ug/L	< 10	< 10	< 10								
Dibenzo(a,h)anthracene	2009-07	ug/L	< 10	< 10	< 10.0								
Dibenzo(a,h)anthracene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Dibenzo(a,h)anthracene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Dibenzo(a,h)anthracene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Dibenzo(a,h)anthracene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Dibenzo(a,h)anthracene	2015-06	ug/L											
Dibenzo(a,h)anthracene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Dibenzo(a,h)anthracene	2015-10	ug/L				< 10.6							
Dibenzo(a,h)anthracene	2016-03	ug/L			< 10	< 10							
Dibenzo(a,h)anthracene	2016-06	ug/L											
Dibenzo(a,h)anthracene	2016-08	ug/L			< 11.1	< 11.5							
Dibenzo(a,h)anthracene	2018-11	ug/L											
Dibenzo(a,h)anthracene	2019-03	ug/L											

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

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Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibenzo(a,h)anthracene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Dibenzo(a,h)anthracene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Dibenzofuran	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dibenzofuran	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dibenzofuran	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Dibenzofuran	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Dibenzofuran	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Dibenzofuran	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Dibenzofuran	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Dibenzofuran	2015-06	ug/L						< 10.5	< 11.1					
Dibenzofuran	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Dibenzofuran	2015-10	ug/L			< 10.3	< 10.5								
Dibenzofuran	2016-03	ug/L												
Dibenzofuran	2016-06	ug/L					< 11.4							
Dibenzofuran	2016-08	ug/L					< 11							
Dibenzofuran	2018-11	ug/L											< 11.6	
Dibenzofuran	2019-03	ug/L											< 12.2	
Dibenzofuran	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Dibenzofuran	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Dibromomethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
Dibromomethane	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
Dibromomethane	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 2.00
Dibromomethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibromomethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibromomethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibromomethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibromomethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibromomethane	2013-03	ug/L	< 1.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1	< 1	< 1
Dibromomethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibromomethane	2013-11	ug/L												
Dibromomethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Dibromomethane	2014-06	ug/L												
Dibromomethane	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2015-03	ug/L	< 1.00	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00
Dibromomethane	2015-06	ug/L						< 1	< 1					
Dibromomethane	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
Dibromomethane	2015-10	ug/L			< 1	< 1							< 1	< 1
Dibromomethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2016-06	ug/L					< 1							
Dibromomethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2017-11	ug/L												
Dibromomethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2018-06	ug/L												
Dibromomethane	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Dibromomethane	2018-09	ug/L							< 1	< 1				
Dibromomethane	2018-11	ug/L											< 1	
Dibromomethane	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2019-04	ug/L												
Dibromomethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2020-03	ug/L		< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	2020-04	ug/L	< 1		< 1									
Dibromomethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Dibromomethane	2021-03	ug/L				< 1								
Dibromomethane	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Dibromomethane	2022-03	ug/L				< 1								
Dibromomethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Dibromomethane	2023-03	ug/L				< 1								
Dibromomethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Dibromomethane	2024-03	ug/L				< 1								
Dibromomethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Dibromomethane	2025-03	ug/L				< 1								
Dibromomethane	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Dichlorodifluoromethane	2008-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Dichlorodifluoromethane	2009-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Dichlorodifluoromethane	2009-07	ug/L	< 3	< 3	< 3	< 3		< 3	< 3.00	< 3.00	< 3			
Dichlorodifluoromethane	2009-09	ug/L	< 3.00	< 3	< 3.00	< 15.0		< 3	< 3	< 3	< 3			
Dichlorodifluoromethane	2010-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Dichlorodifluoromethane	2010-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00				< 3.00				
Dichlorodifluoromethane	2011-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00				< 3.00				
Dichlorodifluoromethane	2012-09	ug/L		< 3.00										
Dichlorodifluoromethane	2015-06	ug/L						**0.311 J**	< 3					
Dichlorodifluoromethane	2015-09	ug/L	< 3	< 3				< 3	< 3	< 3	< 3			
Dichlorodifluoromethane	2015-10	ug/L			< 3	< 3								
Dichlorodifluoromethane	2016-03	ug/L												
Dichlorodifluoromethane	2016-06	ug/L					< 3							
Dichlorodifluoromethane	2016-08	ug/L					< 3							
Dichlorodifluoromethane	2018-11	ug/L											< 3	
Dichlorodifluoromethane	2019-03	ug/L											< 3	
Dichlorodifluoromethane	2020-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			
Dichlorodifluoromethane	2025-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			
Dieldrin	2008-08	ug/L	< 0.054	< 0.053	< 0.047	< 0.047	< 0.052	< 0.053	< 0.054	< 0.056	< 0.053		< 0.053	
Dieldrin	2008-09	ug/L										< 0.016		< 0.016
Dieldrin	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Dibenzo(a,h)anthracene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Dibenzo(a,h)anthracene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Dibenzofuran	2008-08	ug/L	< 10	< 10	< 10								
Dibenzofuran	2009-03	ug/L	< 10	< 10	< 10								
Dibenzofuran	2009-07	ug/L	< 10	< 10	< 10.0								
Dibenzofuran	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Dibenzofuran	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Dibenzofuran	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Dibenzofuran	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Dibenzofuran	2015-06	ug/L											
Dibenzofuran	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Dibenzofuran	2015-10	ug/L				< 10.6							
Dibenzofuran	2016-03	ug/L			< 10	< 10							
Dibenzofuran	2016-06	ug/L											
Dibenzofuran	2016-08	ug/L			< 11.1	< 11.5							
Dibenzofuran	2018-11	ug/L											
Dibenzofuran	2019-03	ug/L											
Dibenzofuran	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Dibenzofuran	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Dibromomethane	2008-08	ug/L	< 1	< 1	< 1								
Dibromomethane	2009-03	ug/L	< 1	< 1	< 1								
Dibromomethane	2009-07	ug/L	< 1	< 1									
Dibromomethane	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
Dibromomethane	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
Dibromomethane	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
Dibromomethane	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
Dibromomethane	2011-09	ug/L	< 1.00	< 1.00	< 1.00								
Dibromomethane	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
Dibromomethane	2012-09	ug/L	< 1.00	< 1.00	< 1.00								
Dibromomethane	2013-03	ug/L	< 1	< 1	< 1.00								
Dibromomethane	2013-09	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Dibromomethane	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Dibromomethane	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Dibromomethane	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Dibromomethane	2014-09	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
Dibromomethane	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Dibromomethane	2015-06	ug/L											
Dibromomethane	2015-09	ug/L	< 1	< 1	< 1								
Dibromomethane	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
Dibromomethane	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Dibromomethane	2016-06	ug/L											
Dibromomethane	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Dibromomethane	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Dibromomethane	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Dibromomethane	2017-11	ug/L										< 1	< 1
Dibromomethane	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Dibromomethane	2018-06	ug/L										< 1	< 1
Dibromomethane	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
Dibromomethane	2018-09	ug/L									< 1	< 1	< 1
Dibromomethane	2018-11	ug/L										< 1	< 1
Dibromomethane	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
Dibromomethane	2019-04	ug/L											< 1
Dibromomethane	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Dibromomethane	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Dibromomethane	2020-04	ug/L											
Dibromomethane	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Dibromomethane	2021-03	ug/L	< 1		< 1	< 1							< 1
Dibromomethane	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Dibromomethane	2022-03	ug/L	< 1		< 1	< 1							< 1
Dibromomethane	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Dibromomethane	2023-03	ug/L	< 1		< 1	< 1							< 1
Dibromomethane	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Dibromomethane	2024-03	ug/L	< 1		< 1	< 1							< 1
Dibromomethane	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Dibromomethane	2025-03	ug/L	< 1		< 1	< 1							< 1
Dibromomethane	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
Dichlorodifluoromethane	2008-08	ug/L	< 3	< 3	< 3								
Dichlorodifluoromethane	2009-03	ug/L	< 3	< 3	< 3								
Dichlorodifluoromethane	2009-07	ug/L	< 3	< 3									
Dichlorodifluoromethane	2009-09	ug/L	< 3.00	< 3.00	< 3.00								
Dichlorodifluoromethane	2010-03	ug/L	< 3.00	< 3.00	< 3.00								
Dichlorodifluoromethane	2010-09	ug/L	< 3.00	< 3.00	< 3.00								
Dichlorodifluoromethane	2011-03	ug/L	< 3.00	< 3.00	< 3.00								
Dichlorodifluoromethane	2012-09	ug/L											
Dichlorodifluoromethane	2015-06	ug/L											
Dichlorodifluoromethane	2015-09	ug/L	< 3	< 3	< 3								
Dichlorodifluoromethane	2015-10	ug/L				< 3							
Dichlorodifluoromethane	2016-03	ug/L			< 3	< 3							
Dichlorodifluoromethane	2016-06	ug/L											
Dichlorodifluoromethane	2016-08	ug/L			< 3	< 3							
Dichlorodifluoromethane	2018-11	ug/L											
Dichlorodifluoromethane	2019-03	ug/L											
Dichlorodifluoromethane	2020-08	ug/L	< 3	< 3	< 3	< 3							
Dichlorodifluoromethane	2025-08	ug/L	< 3	< 3	< 3 J	< 3							
Dieldrin	2008-08	ug/L	< 0.047	< 0.053									
Dieldrin	2008-09	ug/L			< 0.016								
Dieldrin	2009-03	ug/L	< 0.032	< 0.032	< 0.032								

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dieldrin	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
Dieldrin	2012-03	ug/L												
Dieldrin	2013-03	ug/L												
Dieldrin	2014-03	ug/L												
Dieldrin	2014-09	ug/L												
Dieldrin	2015-03	ug/L												
Dieldrin	2015-06	ug/L						< 0.0348	< 0.032					
Dieldrin	2015-09	ug/L	< 0.0356	**0.00418 J**				< 0.036	< 0.0327	**0.00396 J**	< 0.0352			
Dieldrin	2015-10	ug/L			< 0.0372	< 0.0364								
Dieldrin	2016-03	ug/L												
Dieldrin	2016-06	ug/L					< 0.0364							
Dieldrin	2016-08	ug/L					< 0.0337							
Dieldrin	2017-03	ug/L												
Dieldrin	2017-08	ug/L												
Dieldrin	2018-11	ug/L											< 0.036	
Dieldrin	2019-03	ug/L											< 0.0372	
Dieldrin	2020-08	ug/L	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.039	< 0.0376	< 0.039			
Dieldrin	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	< 0.0941	< 0.097	< 0.0897	< 0.0951			
Diethylphthalate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diethylphthalate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diethylphthalate	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Diethylphthalate	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Diethylphthalate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Diethylphthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Diethylphthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Diethylphthalate	2011-09	ug/L												
Diethylphthalate	2012-03	ug/L												
Diethylphthalate	2012-09	ug/L												
Diethylphthalate	2013-03	ug/L												
Diethylphthalate	2013-09	ug/L												
Diethylphthalate	2015-06	ug/L						< 10.5	< 11.1					
Diethylphthalate	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Diethylphthalate	2015-10	ug/L			< 10.3	< 10.5								
Diethylphthalate	2016-03	ug/L												
Diethylphthalate	2016-06	ug/L					< 11.4							
Diethylphthalate	2016-08	ug/L					< 11							
Diethylphthalate	2018-11	ug/L											< 11.6	
Diethylphthalate	2019-03	ug/L											< 12.2	
Diethylphthalate	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Diethylphthalate	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Dimethoate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dimethoate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dimethoate	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Dimethoate	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Dimethoate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Dimethoate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Dimethoate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Dimethoate	2015-06	ug/L						< 10.5	< 11.1					
Dimethoate	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Dimethoate	2015-10	ug/L			< 10.3	< 10.5								
Dimethoate	2016-03	ug/L												
Dimethoate	2016-06	ug/L					< 11.4							
Dimethoate	2016-08	ug/L					< 11							
Dimethoate	2018-11	ug/L											< 11.6	
Dimethoate	2019-03	ug/L											< 12.2	
Dimethoate	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Dimethoate	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Dimethylphthalate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dimethylphthalate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dimethylphthalate	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Dimethylphthalate	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Dimethylphthalate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Dimethylphthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Dimethylphthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Dimethylphthalate	2015-06	ug/L						< 10.5	< 11.1					
Dimethylphthalate	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Dimethylphthalate	2015-10	ug/L			< 10.3	< 10.5								
Dimethylphthalate	2016-03	ug/L												
Dimethylphthalate	2016-06	ug/L					< 11.4							
Dimethylphthalate	2016-08	ug/L					< 11							
Dimethylphthalate	2018-11	ug/L											< 11.6	
Dimethylphthalate	2019-03	ug/L											< 12.2	
Dimethylphthalate	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Dimethylphthalate	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Di-n-butylphthalate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	**1.66 J**	< 10	< 10	< 10	< 10	< 10
Di-n-butylphthalate	2009-03	ug/L	< 10	**1.47 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Di-n-butylphthalate	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Di-n-butylphthalate	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Di-n-butylphthalate	2010-03	ug/L	**1.03 J**	**1.32 J**	**0.982 J**	**1.17 J**	**0.857 J**	**0.984 J**	**0.794 J**	**1.34 J**	**0.787 J**	**1.05 J**	**0.800 J**	**0.638 J**
Di-n-butylphthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 0.777 U				
Di-n-butylphthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	**0.718 J**				< 10.0				
Di-n-butylphthalate	2011-09	ug/L	**0.621 J**	< 10.0 J	< 10.0	**0.808 J**				**0.769 J**				
Di-n-butylphthalate	2012-03	ug/L	< 10.0 J	< 10.0 J	< 10.0 J	< 10.0 J				< 10.0 J	< 10.0 J	< 10.0 J	< 10.0 J	< 10.0 J
Di-n-butylphthalate	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0			< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Di-n-butylphthalate	2013-03	ug/L	< 10.2 J	< 10.2 J	< 10.6	**0.789 J**			< 10.9	< 10.9 J	< 10.2	< 10.5	< 10.2 J	< 11.1 J
Di-n-butylphthalate	2013-09	ug/L	< 11.0	< 11.0	< 10.8	< 10.9	< 10.2	< 10.2	< 10.2	< 10.3	< 10.9	< 11.1	< 10.4	< 10.6
Di-n-butylphthalate	2014-03	ug/L												

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Dieldrin	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
Dieldrin	2012-03	ug/L			< 0.0320								
Dieldrin	2013-03	ug/L			< 0.0344								
Dieldrin	2014-03	ug/L			< 0.0330								
Dieldrin	2014-09	ug/L			< 0.032								
Dieldrin	2015-03	ug/L			**0.0029 J**								
Dieldrin	2015-06	ug/L											
Dieldrin	2015-09	ug/L	< 0.0344	< 0.0352	< 0.0352								
Dieldrin	2015-10	ug/L				< 0.0364							
Dieldrin	2016-03	ug/L			< 0.034	< 0.0356							
Dieldrin	2016-06	ug/L											
Dieldrin	2016-08	ug/L			< 0.0356	< 0.0327							
Dieldrin	2017-03	ug/L			< 0.0337	< 0.0356							
Dieldrin	2017-08	ug/L			< 0.0337	< 0.0344							
Dieldrin	2018-11	ug/L											
Dieldrin	2019-03	ug/L											
Dieldrin	2020-08	ug/L	< 0.0376	< 0.039	< 0.039	< 0.0376							
Dieldrin	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
Diethylphthalate	2008-08	ug/L	< 10	< 10	< 10								
Diethylphthalate	2009-03	ug/L	< 10	< 10	< 10								
Diethylphthalate	2009-07	ug/L	< 10	< 10	< 10.0								
Diethylphthalate	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Diethylphthalate	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Diethylphthalate	2010-09	ug/L	< 10.0	**0.328 J**	< 10.0								
Diethylphthalate	2011-03	ug/L	< 10.0	**0.297 J**	< 10.0								
Diethylphthalate	2011-09	ug/L		< 10.0 J	< 10.0								
Diethylphthalate	2012-03	ug/L		< 10.0	< 10.0								
Diethylphthalate	2012-09	ug/L		**0.299 J**	< 10.0								
Diethylphthalate	2013-03	ug/L		< 21.5	< 10.4								
Diethylphthalate	2013-09	ug/L		< 10.9									
Diethylphthalate	2015-06	ug/L											
Diethylphthalate	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Diethylphthalate	2015-10	ug/L				< 10.6							
Diethylphthalate	2016-03	ug/L			< 10	< 10							
Diethylphthalate	2016-06	ug/L											
Diethylphthalate	2016-08	ug/L			< 11.1	< 11.5							
Diethylphthalate	2018-11	ug/L											
Diethylphthalate	2019-03	ug/L											
Diethylphthalate	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Diethylphthalate	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Dimethoate	2008-08	ug/L	< 10	< 10	< 10								
Dimethoate	2009-03	ug/L	< 10	< 10	< 10								
Dimethoate	2009-07	ug/L	< 10	< 10	< 10.0								
Dimethoate	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Dimethoate	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Dimethoate	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Dimethoate	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Dimethoate	2015-06	ug/L											
Dimethoate	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Dimethoate	2015-10	ug/L				< 10.6							
Dimethoate	2016-03	ug/L			< 10	< 10							
Dimethoate	2016-06	ug/L											
Dimethoate	2016-08	ug/L			< 11.1	< 11.5							
Dimethoate	2018-11	ug/L											
Dimethoate	2019-03	ug/L											
Dimethoate	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Dimethoate	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Dimethylphthalate	2008-08	ug/L	< 10	< 10	< 10								
Dimethylphthalate	2009-03	ug/L	< 10	< 10	< 10								
Dimethylphthalate	2009-07	ug/L	< 10	< 10	< 10.0								
Dimethylphthalate	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Dimethylphthalate	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Dimethylphthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Dimethylphthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Dimethylphthalate	2015-06	ug/L											
Dimethylphthalate	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Dimethylphthalate	2015-10	ug/L				< 10.6							
Dimethylphthalate	2016-03	ug/L			< 10	< 10							
Dimethylphthalate	2016-06	ug/L											
Dimethylphthalate	2016-08	ug/L			< 11.1	< 11.5							
Dimethylphthalate	2018-11	ug/L											
Dimethylphthalate	2019-03	ug/L											
Dimethylphthalate	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Dimethylphthalate	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Di-n-butylphthalate	2008-08	ug/L	< 10	< 10	< 10								
Di-n-butylphthalate	2009-03	ug/L	< 10	< 10	< 10								
Di-n-butylphthalate	2009-07	ug/L	< 10	< 10	< 10.0								
Di-n-butylphthalate	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Di-n-butylphthalate	2010-03	ug/L	**1.06 J**	**1.13 J**	**1.92 J**								
Di-n-butylphthalate	2010-09	ug/L	**0.830 J**	**0.806 J**	**0.618 J**								
Di-n-butylphthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Di-n-butylphthalate	2011-09	ug/L	**0.594 J**	< 10.0 J	< 10.0 J								
Di-n-butylphthalate	2012-03	ug/L	< 10.0 J	< 10.0 J	< 10.0 J								
Di-n-butylphthalate	2012-09	ug/L	< 10.0	< 10.0	**0.662 J**								
Di-n-butylphthalate	2013-03	ug/L	< 10.5	**1.74 J**	< 10.4 J								
Di-n-butylphthalate	2013-09	ug/L	< 10.1	< 10.9	< 10.2								
Di-n-butylphthalate	2014-03	ug/L			**2.69 J**								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Di-n-butylphthalate	2014-09	ug/L												
Di-n-butylphthalate	2015-03	ug/L												
Di-n-butylphthalate	2015-06	ug/L						< 10.5	< 11.1					
Di-n-butylphthalate	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Di-n-butylphthalate	2015-10	ug/L			< 10.3	< 10.5								
Di-n-butylphthalate	2016-03	ug/L												
Di-n-butylphthalate	2016-06	ug/L					< 11.4							
Di-n-butylphthalate	2016-08	ug/L					< 11							
Di-n-butylphthalate	2017-03	ug/L												
Di-n-butylphthalate	2017-08	ug/L												
Di-n-butylphthalate	2018-11	ug/L											< 11.6	
Di-n-butylphthalate	2019-03	ug/L											< 12.2	
Di-n-butylphthalate	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Di-n-butylphthalate	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Di-n-octylphthalate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Di-n-octylphthalate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Di-n-octylphthalate	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Di-n-octylphthalate	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Di-n-octylphthalate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Di-n-octylphthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Di-n-octylphthalate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Di-n-octylphthalate	2011-09	ug/L												
Di-n-octylphthalate	2012-03	ug/L												
Di-n-octylphthalate	2012-09	ug/L												
Di-n-octylphthalate	2013-03	ug/L												
Di-n-octylphthalate	2013-09	ug/L												
Di-n-octylphthalate	2015-06	ug/L						< 21.1	< 22.2					
Di-n-octylphthalate	2015-09	ug/L	< 22.2	< 22.5				< 22.2	< 20.4	< 22.5	< 22.2			
Di-n-octylphthalate	2015-10	ug/L			< 20.6	< 21.1								
Di-n-octylphthalate	2016-03	ug/L												
Di-n-octylphthalate	2016-06	ug/L					< 22.7 J							
Di-n-octylphthalate	2016-08	ug/L					< 22							
Di-n-octylphthalate	2018-11	ug/L											< 23.3	
Di-n-octylphthalate	2019-03	ug/L											< 24.4	
Di-n-octylphthalate	2020-08	ug/L	< 23.5	< 24.4	< 21.5	< 21.7	< 22.7	< 22.7	< 22.5	< 23.5	< 23.8			
Di-n-octylphthalate	2025-08	ug/L	< 20.8	< 21.3	< 22.2	< 21.3	< 20.8	< 20.8	< 20.4	< 18.9	< 22.2			
Dinoseb	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dinoseb	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dinoseb	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Dinoseb	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Dinoseb	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Dinoseb	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Dinoseb	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Dinoseb	2015-06	ug/L						< 10.5	< 11.1					
Dinoseb	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Dinoseb	2015-10	ug/L			< 10.3	< 10.5								
Dinoseb	2016-03	ug/L												
Dinoseb	2016-06	ug/L					< 11.4							
Dinoseb	2016-08	ug/L					< 11							
Dinoseb	2018-11	ug/L											< 11.6	
Dinoseb	2019-03	ug/L											< 12.2	
Dinoseb	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Dinoseb	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Diphenylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diphenylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diphenylamine	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Diphenylamine	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Diphenylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Diphenylamine	2010-09	ug/L	< 10.0 R	< 10.0 R	< 10.0 R	< 10.0 R				< 10.0 R				
Diphenylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Diphenylamine	2015-06	ug/L						< 10.5	< 11.1					
Diphenylamine	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Diphenylamine	2015-10	ug/L			< 10.3	< 10.5								
Diphenylamine	2016-03	ug/L												
Diphenylamine	2016-06	ug/L					< 11.4							
Diphenylamine	2016-08	ug/L					< 11							
Diphenylamine	2018-11	ug/L											< 11.6	
Diphenylamine	2019-03	ug/L											< 12.2	
Diphenylamine	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Diphenylamine	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Disulfoton	2008-08	ug/L	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70
Disulfoton	2009-03	ug/L	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70
Disulfoton	2009-07	ug/L	< 70	< 70	< 70	< 70	< 70	< 70	< 70.0	< 70.0	< 70	< 70	< 70	< 70.0
Disulfoton	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Disulfoton	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Disulfoton	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Disulfoton	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Disulfoton	2011-09	ug/L												
Disulfoton	2012-03	ug/L												
Disulfoton	2012-09	ug/L												
Disulfoton	2013-03	ug/L												
Disulfoton	2013-09	ug/L												
Disulfoton	2015-06	ug/L						< 10.5	< 11.1					
Disulfoton	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Disulfoton	2015-10	ug/L			< 10.3	< 10.5								
Disulfoton	2016-03	ug/L												
Disulfoton	2016-06	ug/L					< 11.4							

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Di-n-butylphthalate	2014-09	ug/L			< 10								
Di-n-butylphthalate	2015-03	ug/L			< 10.6								
Di-n-butylphthalate	2015-06	ug/L											
Di-n-butylphthalate	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Di-n-butylphthalate	2015-10	ug/L				< 10.6							
Di-n-butylphthalate	2016-03	ug/L			< 10	< 10							
Di-n-butylphthalate	2016-06	ug/L											
Di-n-butylphthalate	2016-08	ug/L			< 11.1	< 11.5							
Di-n-butylphthalate	2017-03	ug/L			< 10.2	< 11.4							
Di-n-butylphthalate	2017-08	ug/L			< 10.6	< 11.1							
Di-n-butylphthalate	2018-11	ug/L											
Di-n-butylphthalate	2019-03	ug/L											
Di-n-butylphthalate	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Di-n-butylphthalate	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Di-n-octylphthalate	2008-08	ug/L	< 10	< 10	< 10								
Di-n-octylphthalate	2009-03	ug/L	< 10	< 10	< 10								
Di-n-octylphthalate	2009-07	ug/L	< 10	< 10	< 10.0								
Di-n-octylphthalate	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Di-n-octylphthalate	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Di-n-octylphthalate	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Di-n-octylphthalate	2011-03	ug/L	**0.274 J**	< 10.0	< 10.0								
Di-n-octylphthalate	2011-09	ug/L	< 10.0		< 10.0								
Di-n-octylphthalate	2012-03	ug/L	< 10.0		< 10.0								
Di-n-octylphthalate	2012-09	ug/L	< 10.0		< 10.0								
Di-n-octylphthalate	2013-03	ug/L	**0.411 J**		< 20.8								
Di-n-octylphthalate	2013-09	ug/L	< 20.2										
Di-n-octylphthalate	2015-06	ug/L											
Di-n-octylphthalate	2015-09	ug/L	< 21.7	< 21.1	< 22.5								
Di-n-octylphthalate	2015-10	ug/L				< 21.3							
Di-n-octylphthalate	2016-03	ug/L			< 20 J	< 20 J							
Di-n-octylphthalate	2016-06	ug/L											
Di-n-octylphthalate	2016-08	ug/L			**1.73 J**	< 23							
Di-n-octylphthalate	2018-11	ug/L											
Di-n-octylphthalate	2019-03	ug/L											
Di-n-octylphthalate	2020-08	ug/L	< 23.5	< 22	< 23.5	< 23.5							
Di-n-octylphthalate	2025-08	ug/L	< 22.2	< 20	< 20.8	< 19.6							
Dinoseb	2008-08	ug/L	< 10	< 10	< 10								
Dinoseb	2009-03	ug/L	< 10	< 10	< 10								
Dinoseb	2009-07	ug/L	< 10	< 10	< 10.0								
Dinoseb	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Dinoseb	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Dinoseb	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Dinoseb	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Dinoseb	2015-06	ug/L											
Dinoseb	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Dinoseb	2015-10	ug/L				< 10.6							
Dinoseb	2016-03	ug/L			< 10	< 10							
Dinoseb	2016-06	ug/L											
Dinoseb	2016-08	ug/L			< 11.1	< 11.5							
Dinoseb	2018-11	ug/L											
Dinoseb	2019-03	ug/L											
Dinoseb	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Dinoseb	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Diphenylamine	2008-08	ug/L	< 10	< 10	< 10								
Diphenylamine	2009-03	ug/L	< 10	< 10	< 10								
Diphenylamine	2009-07	ug/L	< 10	< 10	< 10.0								
Diphenylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Diphenylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Diphenylamine	2010-09	ug/L	< 10.0 R	< 10.0 R	< 10.0 R								
Diphenylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Diphenylamine	2015-06	ug/L											
Diphenylamine	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Diphenylamine	2015-10	ug/L				< 10.6							
Diphenylamine	2016-03	ug/L			< 10	< 10							
Diphenylamine	2016-06	ug/L											
Diphenylamine	2016-08	ug/L			< 11.1	< 11.5							
Diphenylamine	2018-11	ug/L											
Diphenylamine	2019-03	ug/L											
Diphenylamine	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Diphenylamine	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Disulfoton	2008-08	ug/L	< 70	< 70	< 70								
Disulfoton	2009-03	ug/L	< 70	< 70	< 70								
Disulfoton	2009-07	ug/L	< 70	< 70	< 70.0								
Disulfoton	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Disulfoton	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Disulfoton	2010-09	ug/L	< 10.0	< 10.0	**1.11 J**								
Disulfoton	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Disulfoton	2011-09	ug/L			< 10.0								
Disulfoton	2012-03	ug/L			< 10.0								
Disulfoton	2012-09	ug/L			< 10.0								
Disulfoton	2013-03	ug/L			< 10.4								
Disulfoton	2013-09	ug/L			< 10.2								
Disulfoton	2015-06	ug/L											
Disulfoton	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Disulfoton	2015-10	ug/L				< 10.6							
Disulfoton	2016-03	ug/L			< 10	< 10							
Disulfoton	2016-06	ug/L											

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Disulfoton	2016-08	ug/L					< 11							
Disulfoton	2018-11	ug/L											< 11.6	
Disulfoton	2019-03	ug/L											< 12.2	
Disulfoton	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Disulfoton	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Endosulfan I	2008-08	ug/L	< 0.054	< 0.053	< 0.047	< 0.047	< 0.052	< 0.053	< 0.054	< 0.056	< 0.053		< 0.053	
Endosulfan I	2008-09	ug/L										< 0.016		< 0.016
Endosulfan I	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Endosulfan I	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
Endosulfan I	2015-06	ug/L						**0.00275 J**	< 0.032					
Endosulfan I	2015-09	ug/L	< 0.0356	**0.00222 J**				< 0.036	< 0.0327	< 0.0356	< 0.0352			
Endosulfan I	2015-10	ug/L			< 0.0372	< 0.0364								
Endosulfan I	2016-03	ug/L												
Endosulfan I	2016-06	ug/L					< 0.0364							
Endosulfan I	2016-08	ug/L					< 0.0337							
Endosulfan I	2018-11	ug/L											< 0.036	
Endosulfan I	2019-03	ug/L											< 0.0372	
Endosulfan I	2020-08	ug/L	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	**0.00306 J**	< 0.0376	< 0.039			
Endosulfan I	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	< 0.0941	< 0.097	< 0.0897	< 0.0951			
Endosulfan II	2008-08	ug/L	< 0.054	< 0.053	< 0.047	< 0.047	< 0.052	< 0.053	< 0.054	< 0.056	< 0.053		< 0.053	
Endosulfan II	2008-09	ug/L										< 0.016		< 0.016
Endosulfan II	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Endosulfan II	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
Endosulfan II	2015-06	ug/L						< 0.0348	< 0.032					
Endosulfan II	2015-09	ug/L	< 0.0356	< 0.0356				< 0.036	< 0.0327	< 0.0356	< 0.0352			
Endosulfan II	2015-10	ug/L			< 0.0372	< 0.0364								
Endosulfan II	2016-03	ug/L												
Endosulfan II	2016-06	ug/L					< 0.0364							
Endosulfan II	2016-08	ug/L					< 0.0337							
Endosulfan II	2018-11	ug/L											< 0.036	
Endosulfan II	2019-03	ug/L											< 0.0372	
Endosulfan II	2020-08	ug/L	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.039	< 0.0376	< 0.039			
Endosulfan II	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	< 0.0941	< 0.097	< 0.0897	< 0.0951			
Endosulfan Sulfate	2008-08	ug/L	< 0.054	< 0.053	< 0.047	< 0.047	< 0.052	< 0.053	< 0.054	< 0.056	< 0.053		< 0.053	
Endosulfan Sulfate	2008-09	ug/L										< 0.016		< 0.016
Endosulfan Sulfate	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Endosulfan Sulfate	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
Endosulfan Sulfate	2015-06	ug/L						< 0.0348	< 0.032					
Endosulfan Sulfate	2015-09	ug/L	< 0.0356	< 0.0356				< 0.036	< 0.0327	< 0.0356	< 0.0352			
Endosulfan Sulfate	2015-10	ug/L			< 0.0372	< 0.0364								
Endosulfan Sulfate	2016-03	ug/L												
Endosulfan Sulfate	2016-06	ug/L					< 0.0364							
Endosulfan Sulfate	2016-08	ug/L					< 0.0337							
Endosulfan Sulfate	2018-11	ug/L											< 0.036	
Endosulfan Sulfate	2019-03	ug/L											< 0.0372	
Endosulfan Sulfate	2020-08	ug/L	**0.00429 J**	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.039	< 0.0376	< 0.039			
Endosulfan Sulfate	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	< 0.0941	< 0.097	< 0.0897	< 0.0951			
Endrin	2008-08	ug/L	< 0.054	< 0.053	< 0.047	< 0.047	< 0.052	< 0.053	< 0.054	< 0.056	< 0.053		< 0.053	
Endrin	2008-09	ug/L										< 0.016		< 0.016
Endrin	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Endrin	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
Endrin	2015-06	ug/L						< 0.0348 J	< 0.032					
Endrin	2015-09	ug/L	**0.00282 J**	< 0.0356				< 0.036	< 0.0327	< 0.0356	< 0.0352			
Endrin	2015-10	ug/L			< 0.0372	< 0.0364								
Endrin	2016-03	ug/L												
Endrin	2016-06	ug/L					< 0.0364							
Endrin	2016-08	ug/L					< 0.0337							
Endrin	2018-11	ug/L											< 0.036	
Endrin	2019-03	ug/L											< 0.0372	
Endrin	2020-08	ug/L	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.039	**0.00456 J**	< 0.039			
Endrin	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	< 0.0941	< 0.097	< 0.0897	< 0.0951			
Endrin Aldehyde	2008-08	ug/L	< 0.054	< 0.053	< 0.047	< 0.047	< 0.052	< 0.053	< 0.054	< 0.056	< 0.053		< 0.053	
Endrin Aldehyde	2008-09	ug/L										< 0.016		< 0.016
Endrin Aldehyde	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Endrin Aldehyde	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
Endrin Aldehyde	2015-06	ug/L						< 0.0348	< 0.032					
Endrin Aldehyde	2015-09	ug/L	< 0.0356	< 0.0356				< 0.036	< 0.0327	< 0.0356	< 0.0352			
Endrin Aldehyde	2015-10	ug/L			< 0.0372	< 0.0364								
Endrin Aldehyde	2016-03	ug/L												
Endrin Aldehyde	2016-06	ug/L					< 0.0364							
Endrin Aldehyde	2016-08	ug/L					< 0.0337							
Endrin Aldehyde	2018-11	ug/L											< 0.036	
Endrin Aldehyde	2019-03	ug/L											< 0.0372	
Endrin Aldehyde	2020-08	ug/L	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.039	< 0.0376	< 0.039			
Endrin Aldehyde	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	< 0.0941	< 0.097	< 0.0897	< 0.0951			
Ethyl Methacrylate	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethyl Methacrylate	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethyl Methacrylate	2009-07	ug/L	< 2	< 2	< 2	< 2		< 2	< 2.00	< 2.00	< 2			
Ethyl Methacrylate	2009-09	ug/L	< 2.00	< 2	< 2.00	< 10.0		< 2	< 2	< 2	< 2			
Ethyl Methacrylate	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 5.00
Ethyl Methacrylate	2010-09	ug/L	< 20.0	< 20.0	< 20.0	< 20.0				< 20.0				
Ethyl Methacrylate	2011-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00				< 2.00				
Ethyl Methacrylate	2012-09	ug/L		< 2.00										
Ethyl Methacrylate	2015-06	ug/L						< 2	< 2					
Ethyl Methacrylate	2015-09	ug/L	< 2	< 2				< 2	< 2	< 2	< 2			
Ethyl Methacrylate	2015-10	ug/L			< 2	< 2								
Ethyl Methacrylate	2016-03	ug/L												

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Disulfoton	2016-08	ug/L			< 11.1	< 11.5							
Disulfoton	2018-11	ug/L											
Disulfoton	2019-03	ug/L											
Disulfoton	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Disulfoton	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Endosulfan I	2008-08	ug/L	< 0.047	< 0.053									
Endosulfan I	2008-09	ug/L			< 0.016								
Endosulfan I	2009-03	ug/L	< 0.032	< 0.032	< 0.032								
Endosulfan I	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
Endosulfan I	2015-06	ug/L											
Endosulfan I	2015-09	ug/L	< 0.0344	< 0.0352	< 0.0352								
Endosulfan I	2015-10	ug/L				< 0.0364							
Endosulfan I	2016-03	ug/L			< 0.034	< 0.0356							
Endosulfan I	2016-06	ug/L											
Endosulfan I	2016-08	ug/L			< 0.0356	< 0.0327							
Endosulfan I	2018-11	ug/L											
Endosulfan I	2019-03	ug/L											
Endosulfan I	2020-08	ug/L	< 0.0376	< 0.039	< 0.039	< 0.0376							
Endosulfan I	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
Endosulfan II	2008-08	ug/L	< 0.047	< 0.053									
Endosulfan II	2008-09	ug/L			< 0.016								
Endosulfan II	2009-03	ug/L	< 0.032	< 0.032	< 0.032								
Endosulfan II	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
Endosulfan II	2015-06	ug/L											
Endosulfan II	2015-09	ug/L	< 0.0344	< 0.0352	< 0.0352								
Endosulfan II	2015-10	ug/L				< 0.0364							
Endosulfan II	2016-03	ug/L			< 0.034	< 0.0356							
Endosulfan II	2016-06	ug/L											
Endosulfan II	2016-08	ug/L			< 0.0356	< 0.0327							
Endosulfan II	2018-11	ug/L											
Endosulfan II	2019-03	ug/L											
Endosulfan II	2020-08	ug/L	< 0.0376	< 0.039	< 0.039	< 0.0376							
Endosulfan II	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
Endosulfan Sulfate	2008-08	ug/L	< 0.047	< 0.053									
Endosulfan Sulfate	2008-09	ug/L			< 0.016								
Endosulfan Sulfate	2009-03	ug/L	< 0.032	< 0.032	< 0.032								
Endosulfan Sulfate	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
Endosulfan Sulfate	2015-06	ug/L											
Endosulfan Sulfate	2015-09	ug/L	< 0.0344	< 0.0352	< 0.0352								
Endosulfan Sulfate	2015-10	ug/L				< 0.0364							
Endosulfan Sulfate	2016-03	ug/L			< 0.034	< 0.0356							
Endosulfan Sulfate	2016-06	ug/L											
Endosulfan Sulfate	2016-08	ug/L			< 0.0356	< 0.0327							
Endosulfan Sulfate	2018-11	ug/L											
Endosulfan Sulfate	2019-03	ug/L											
Endosulfan Sulfate	2020-08	ug/L	< 0.0376	< 0.039	< 0.039	< 0.0376							
Endosulfan Sulfate	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
Endrin	2008-08	ug/L	< 0.047	< 0.053									
Endrin	2008-09	ug/L			< 0.016								
Endrin	2009-03	ug/L	< 0.032	< 0.032	< 0.032								
Endrin	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
Endrin	2015-06	ug/L											
Endrin	2015-09	ug/L	< 0.0344	< 0.0352	< 0.0352								
Endrin	2015-10	ug/L				< 0.0364							
Endrin	2016-03	ug/L			< 0.034	< 0.0356							
Endrin	2016-06	ug/L											
Endrin	2016-08	ug/L			< 0.0356	< 0.0327							
Endrin	2018-11	ug/L											
Endrin	2019-03	ug/L											
Endrin	2020-08	ug/L	< 0.0376	**0.00465 J**	< 0.039	< 0.0376							
Endrin	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
Endrin Aldehyde	2008-08	ug/L	< 0.047	< 0.053									
Endrin Aldehyde	2008-09	ug/L			< 0.016								
Endrin Aldehyde	2009-03	ug/L	< 0.032	< 0.032	< 0.032								
Endrin Aldehyde	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
Endrin Aldehyde	2015-06	ug/L											
Endrin Aldehyde	2015-09	ug/L	< 0.0344	< 0.0352	< 0.0352								
Endrin Aldehyde	2015-10	ug/L				< 0.0364							
Endrin Aldehyde	2016-03	ug/L			< 0.034	< 0.0356							
Endrin Aldehyde	2016-06	ug/L											
Endrin Aldehyde	2016-08	ug/L			< 0.0356	< 0.0327							
Endrin Aldehyde	2018-11	ug/L											
Endrin Aldehyde	2019-03	ug/L											
Endrin Aldehyde	2020-08	ug/L	< 0.0376	< 0.039	< 0.039	< 0.0376							
Endrin Aldehyde	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
Ethyl Methacrylate	2008-08	ug/L	< 2	< 2	< 2								
Ethyl Methacrylate	2009-03	ug/L	< 2	< 2	< 2								
Ethyl Methacrylate	2009-07	ug/L	< 2	< 2									
Ethyl Methacrylate	2009-09	ug/L	< 2.00	< 2.00	< 2.00								
Ethyl Methacrylate	2010-03	ug/L	< 2.00	< 2.00	< 2.00								
Ethyl Methacrylate	2010-09	ug/L	< 20.0	< 20.0	< 20.0								
Ethyl Methacrylate	2011-03	ug/L	< 2.00	< 2.00	< 2.00								
Ethyl Methacrylate	2012-09	ug/L											
Ethyl Methacrylate	2015-06	ug/L											
Ethyl Methacrylate	2015-09	ug/L	< 2	< 2	< 2								
Ethyl Methacrylate	2015-10	ug/L				< 2							
Ethyl Methacrylate	2016-03	ug/L			< 2	< 2							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethyl Methacrylate	2016-06	ug/L					< 2							
Ethyl Methacrylate	2016-08	ug/L					< 2							
Ethyl Methacrylate	2018-11	ug/L											< 2	
Ethyl Methacrylate	2019-03	ug/L											< 2	
Ethyl Methacrylate	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			
Ethyl Methacrylate	2025-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			
Ethyl Methanesulfonate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethyl Methanesulfonate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethyl Methanesulfonate	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Ethyl Methanesulfonate	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Ethyl Methanesulfonate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Ethyl Methanesulfonate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Ethyl Methanesulfonate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Ethyl Methanesulfonate	2015-06	ug/L						< 10.5	< 11.1					
Ethyl Methanesulfonate	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Ethyl Methanesulfonate	2015-10	ug/L			< 10.3	< 10.5								
Ethyl Methanesulfonate	2016-03	ug/L												
Ethyl Methanesulfonate	2016-06	ug/L					< 11.4							
Ethyl Methanesulfonate	2016-08	ug/L					< 11							
Ethyl Methanesulfonate	2018-11	ug/L											< 11.6	
Ethyl Methanesulfonate	2019-03	ug/L											< 12.2	
Ethyl Methanesulfonate	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Ethyl Methanesulfonate	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Ethylbenzene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
Ethylbenzene	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
Ethylbenzene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Ethylbenzene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Ethylbenzene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Ethylbenzene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Ethylbenzene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Ethylbenzene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Ethylbenzene	2013-03	ug/L	< 1.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1	< 1	< 1
Ethylbenzene	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Ethylbenzene	2013-11	ug/L												
Ethylbenzene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Ethylbenzene	2014-06	ug/L												
Ethylbenzene	2014-09	ug/L	< 1	< 1	< 1	**0.333 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2015-03	ug/L	< 1.00	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00
Ethylbenzene	2015-06	ug/L						< 1	< 1					
Ethylbenzene	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
Ethylbenzene	2015-10	ug/L			< 1	< 1							< 1	< 1
Ethylbenzene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2016-06	ug/L					< 1							
Ethylbenzene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2017-03	ug/L	< 1	**0.298 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2017-11	ug/L												
Ethylbenzene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2018-06	ug/L												
Ethylbenzene	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Ethylbenzene	2018-09	ug/L							< 1	< 1				
Ethylbenzene	2018-11	ug/L											< 1	
Ethylbenzene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2019-04	ug/L												
Ethylbenzene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2020-03	ug/L		< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	2020-04	ug/L	< 1		< 1									
Ethylbenzene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Ethylbenzene	2021-03	ug/L				< 1								
Ethylbenzene	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Ethylbenzene	2022-03	ug/L				< 1								
Ethylbenzene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Ethylbenzene	2023-03	ug/L				< 1								
Ethylbenzene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Ethylbenzene	2024-03	ug/L				< 1								
Ethylbenzene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Ethylbenzene	2025-03	ug/L				< 1								
Ethylbenzene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Famphur	2008-08	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Famphur	2009-03	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Famphur	2009-07	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20.0	< 20.0	< 20	< 20	< 20	< 20.0
Famphur	2009-09	ug/L	< 20.0	< 20	< 20.0	< 20.0	< 20.0	< 20	< 20	< 20	< 20	< 20	< 20	< 20.0
Famphur	2010-03	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0
Famphur	2010-09	ug/L	< 20.0	< 20.0	< 20.0	< 20.0				< 20.0				
Famphur	2011-03	ug/L	< 20.0	< 20.0	< 20.0	< 20.0				< 20.0				
Famphur	2015-06	ug/L						< 21.1	< 22.2					
Famphur	2015-09	ug/L	< 22.2	< 22.5				< 22.2	< 20.4	< 22.5	< 22.2			
Famphur	2015-10	ug/L			< 20.6	< 21.1								
Famphur	2016-03	ug/L												
Famphur	2016-06	ug/L					< 22.7							
Famphur	2016-08	ug/L					< 22							
Famphur	2018-11	ug/L											< 11.6	
Famphur	2019-03	ug/L											< 12.2	
Famphur	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Famphur	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Ethyl Methacrylate	2016-06	ug/L											
Ethyl Methacrylate	2016-08	ug/L			< 2	< 2							
Ethyl Methacrylate	2018-11	ug/L											
Ethyl Methacrylate	2019-03	ug/L											
Ethyl Methacrylate	2020-08	ug/L	< 2	< 2	< 2	< 2							
Ethyl Methacrylate	2025-08	ug/L	< 2	< 2	< 2 J	< 2							
Ethyl Methanesulfonate	2008-08	ug/L	< 10	< 10	< 10								
Ethyl Methanesulfonate	2009-03	ug/L	< 10	< 10	< 10								
Ethyl Methanesulfonate	2009-07	ug/L	< 10	< 10	< 10.0								
Ethyl Methanesulfonate	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Ethyl Methanesulfonate	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Ethyl Methanesulfonate	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Ethyl Methanesulfonate	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Ethyl Methanesulfonate	2015-06	ug/L											
Ethyl Methanesulfonate	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Ethyl Methanesulfonate	2015-10	ug/L				< 10.6							
Ethyl Methanesulfonate	2016-03	ug/L			< 10	< 10							
Ethyl Methanesulfonate	2016-06	ug/L											
Ethyl Methanesulfonate	2016-08	ug/L			< 11.1	< 11.5							
Ethyl Methanesulfonate	2018-11	ug/L											
Ethyl Methanesulfonate	2019-03	ug/L											
Ethyl Methanesulfonate	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Ethyl Methanesulfonate	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Ethylbenzene	2008-08	ug/L	< 1	< 1	< 1								
Ethylbenzene	2009-03	ug/L	< 1	< 1	< 1								
Ethylbenzene	2009-07	ug/L	< 1	< 1									
Ethylbenzene	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
Ethylbenzene	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
Ethylbenzene	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
Ethylbenzene	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
Ethylbenzene	2011-09	ug/L	< 1.00	< 1.00	< 1.00								
Ethylbenzene	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
Ethylbenzene	2012-09	ug/L	< 1.00	< 1.00	< 1.00								
Ethylbenzene	2013-03	ug/L	< 1	< 1	< 1.00								
Ethylbenzene	2013-09	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Ethylbenzene	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Ethylbenzene	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Ethylbenzene	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Ethylbenzene	2014-09	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
Ethylbenzene	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Ethylbenzene	2015-06	ug/L											
Ethylbenzene	2015-09	ug/L	< 1	< 1	< 1								
Ethylbenzene	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
Ethylbenzene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Ethylbenzene	2016-06	ug/L											
Ethylbenzene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Ethylbenzene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Ethylbenzene	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Ethylbenzene	2017-11	ug/L										< 1	< 1
Ethylbenzene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Ethylbenzene	2018-06	ug/L										< 1	< 1
Ethylbenzene	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
Ethylbenzene	2018-09	ug/L									< 1	< 1	< 1
Ethylbenzene	2018-11	ug/L										< 1	< 1
Ethylbenzene	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
Ethylbenzene	2019-04	ug/L											< 1
Ethylbenzene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Ethylbenzene	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Ethylbenzene	2020-04	ug/L											
Ethylbenzene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Ethylbenzene	2021-03	ug/L	< 1		< 1	< 1							< 1
Ethylbenzene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Ethylbenzene	2022-03	ug/L	< 1		< 1	< 1							< 1
Ethylbenzene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Ethylbenzene	2023-03	ug/L	< 1		< 1	< 1							< 1
Ethylbenzene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Ethylbenzene	2024-03	ug/L	< 1		< 1	< 1							< 1
Ethylbenzene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Ethylbenzene	2025-03	ug/L	< 1		< 1	< 1							< 1
Ethylbenzene	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
Famphur	2008-08	ug/L	< 20	< 20	< 20								
Famphur	2009-03	ug/L	< 20	< 20	< 20								
Famphur	2009-07	ug/L	< 20	< 20	< 20.0								
Famphur	2009-09	ug/L	< 20.0	< 20.0	< 20.0								
Famphur	2010-03	ug/L	< 20.0	< 20.0	< 20.0								
Famphur	2010-09	ug/L	< 20.0	< 20.0	< 20.0								
Famphur	2011-03	ug/L	< 20.0	< 20.0	< 20.0								
Famphur	2015-06	ug/L											
Famphur	2015-09	ug/L	< 21.7	< 21.1	< 22.5								
Famphur	2015-10	ug/L				< 21.3							
Famphur	2016-03	ug/L			< 20	< 20							
Famphur	2016-06	ug/L											
Famphur	2016-08	ug/L			< 22.2	< 23							
Famphur	2018-11	ug/L											
Famphur	2019-03	ug/L											
Famphur	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Famphur	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Fluoranthene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Fluoranthene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Fluoranthene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Fluoranthene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Fluoranthene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Fluoranthene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Fluoranthene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Fluoranthene	2015-06	ug/L						< 10.5	< 11.1					
Fluoranthene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Fluoranthene	2015-10	ug/L			< 10.3	< 10.5								
Fluoranthene	2016-03	ug/L												
Fluoranthene	2016-06	ug/L					< 11.4							
Fluoranthene	2016-08	ug/L					< 11							
Fluoranthene	2018-11	ug/L											< 11.6	
Fluoranthene	2019-03	ug/L											< 12.2	
Fluoranthene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Fluoranthene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Fluorene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Fluorene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Fluorene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Fluorene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	**0.367 J**	< 10	< 10.0
Fluorene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Fluorene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Fluorene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Fluorene	2012-03	ug/L										< 10.0		
Fluorene	2012-09	ug/L										< 10.0		
Fluorene	2013-03	ug/L										< 10.5		
Fluorene	2013-09	ug/L										< 11.1		
Fluorene	2015-06	ug/L						< 10.5	< 11.1					
Fluorene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Fluorene	2015-10	ug/L			< 10.3	< 10.5								
Fluorene	2016-03	ug/L												
Fluorene	2016-06	ug/L					< 11.4							
Fluorene	2016-08	ug/L					< 11							
Fluorene	2018-11	ug/L											< 11.6	
Fluorene	2019-03	ug/L											< 12.2	
Fluorene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Fluorene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Fluorotrichloromethane	2008-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2009-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2009-07	ug/L	< 4	< 4	< 4	< 4		< 4	< 4.00	< 4.00	< 4			
Fluorotrichloromethane	2009-09	ug/L	< 4.00	< 4	< 4.00	< 20.0		< 4	< 4	< 4	< 4			
Fluorotrichloromethane	2010-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Fluorotrichloromethane	2010-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Fluorotrichloromethane	2011-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Fluorotrichloromethane	2011-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Fluorotrichloromethane	2012-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Fluorotrichloromethane	2012-09	ug/L	< 4.00	< 4.00	< 5.00	< 5.00	< 5.00	< 4.00	< 5.00	< 5.00	< 4.00	< 4.00	< 4.00	< 4.00
Fluorotrichloromethane	2013-03	ug/L	< 4.00	< 4.00	< 4	< 4	< 4	< 4	< 4	< 4	< 4.00	< 4	< 4	< 4
Fluorotrichloromethane	2013-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Fluorotrichloromethane	2013-11	ug/L												
Fluorotrichloromethane	2014-03	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Fluorotrichloromethane	2014-06	ug/L												
Fluorotrichloromethane	2014-09	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2015-03	ug/L	< 4.00	< 4	< 4.00	< 4.00	< 4	< 4	< 4.00	< 4.00	< 4	< 4	< 4.00	< 4.00
Fluorotrichloromethane	2015-06	ug/L						< 4	< 4					
Fluorotrichloromethane	2015-09	ug/L	< 4	< 4			< 4	< 4	< 4	< 4	< 4	< 4		
Fluorotrichloromethane	2015-10	ug/L			< 4	< 4							< 4	< 4
Fluorotrichloromethane	2016-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2016-06	ug/L					< 4							
Fluorotrichloromethane	2016-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2017-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2017-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2017-11	ug/L												
Fluorotrichloromethane	2018-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2018-06	ug/L												
Fluorotrichloromethane	2018-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Fluorotrichloromethane	2018-09	ug/L							< 4	< 4				
Fluorotrichloromethane	2018-11	ug/L											< 4	
Fluorotrichloromethane	2019-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2019-04	ug/L												
Fluorotrichloromethane	2019-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2020-03	ug/L		< 4		< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Fluorotrichloromethane	2020-04	ug/L	< 4		< 4									
Fluorotrichloromethane	2020-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4
Fluorotrichloromethane	2021-03	ug/L				< 4								
Fluorotrichloromethane	2021-08	ug/L	< 4	< 40	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4
Fluorotrichloromethane	2022-03	ug/L				< 4								
Fluorotrichloromethane	2022-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4
Fluorotrichloromethane	2023-03	ug/L				< 4								
Fluorotrichloromethane	2023-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4
Fluorotrichloromethane	2024-03	ug/L				< 4								
Fluorotrichloromethane	2024-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4
Fluorotrichloromethane	2025-03	ug/L				< 4								
Fluorotrichloromethane	2025-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4			< 4
Heptachlor	2008-08	ug/L	< 0.054	< 0.053	< 0.047	< 0.047	< 0.052	< 0.053	< 0.054	< 0.056	< 0.053		< 0.053	
Heptachlor	2008-09	ug/L										< 0.016		< 0.016

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Fluoranthene	2008-08	ug/L	< 10	< 10	< 10								
Fluoranthene	2009-03	ug/L	< 10	< 10	< 10								
Fluoranthene	2009-07	ug/L	< 10	< 10	< 10.0								
Fluoranthene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Fluoranthene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Fluoranthene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Fluoranthene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Fluoranthene	2015-06	ug/L											
Fluoranthene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Fluoranthene	2015-10	ug/L				< 10.6							
Fluoranthene	2016-03	ug/L			< 10	< 10							
Fluoranthene	2016-06	ug/L											
Fluoranthene	2016-08	ug/L			< 11.1	< 11.5							
Fluoranthene	2018-11	ug/L											
Fluoranthene	2019-03	ug/L											
Fluoranthene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Fluoranthene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Fluorene	2008-08	ug/L	< 10	< 10	< 10								
Fluorene	2009-03	ug/L	< 10	< 10	< 10								
Fluorene	2009-07	ug/L	< 10	< 10	< 10.0								
Fluorene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Fluorene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Fluorene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Fluorene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Fluorene	2012-03	ug/L			< 10.0								
Fluorene	2012-09	ug/L			< 10.0								
Fluorene	2013-03	ug/L			< 10.4								
Fluorene	2013-09	ug/L											
Fluorene	2015-06	ug/L											
Fluorene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Fluorene	2015-10	ug/L				< 10.6							
Fluorene	2016-03	ug/L			< 10	< 10							
Fluorene	2016-06	ug/L											
Fluorene	2016-08	ug/L			< 11.1	< 11.5							
Fluorene	2018-11	ug/L											
Fluorene	2019-03	ug/L											
Fluorene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Fluorene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Fluorotrichloromethane	2008-08	ug/L	< 4	< 4	< 4								
Fluorotrichloromethane	2009-03	ug/L	< 4	< 4	< 4								
Fluorotrichloromethane	2009-07	ug/L	< 4	< 4									
Fluorotrichloromethane	2009-09	ug/L	< 4.00	< 4.00	< 4.00								
Fluorotrichloromethane	2010-03	ug/L	< 4.00	< 4.00	< 4.00								
Fluorotrichloromethane	2010-09	ug/L	< 4.00	< 4.00	< 4.00								
Fluorotrichloromethane	2011-03	ug/L	< 4.00	< 4.00	< 4.00								
Fluorotrichloromethane	2011-09	ug/L	< 4.00	< 4.00	< 4.00								
Fluorotrichloromethane	2012-03	ug/L	< 4.00	< 4.00	< 4.00								
Fluorotrichloromethane	2012-09	ug/L	< 4.00	< 4.00	< 5.00								
Fluorotrichloromethane	2013-03	ug/L	< 4	< 4	< 4.00								
Fluorotrichloromethane	2013-09	ug/L	< 4.00	< 4.00	< 4.00		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Fluorotrichloromethane	2013-11	ug/L					< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Fluorotrichloromethane	2014-03	ug/L	< 4.00	< 4.00	< 4.00		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Fluorotrichloromethane	2014-06	ug/L					< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Fluorotrichloromethane	2014-09	ug/L	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4		
Fluorotrichloromethane	2015-03	ug/L	< 4.00	< 4.00	< 4		< 4.00	< 4.00	< 4.00	< 4.00	< 4.00		
Fluorotrichloromethane	2015-06	ug/L											
Fluorotrichloromethane	2015-09	ug/L	< 4	< 4	< 4								
Fluorotrichloromethane	2015-10	ug/L				< 4	< 4	< 4		< 4	< 4		
Fluorotrichloromethane	2016-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4		
Fluorotrichloromethane	2016-06	ug/L											
Fluorotrichloromethane	2016-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4		
Fluorotrichloromethane	2017-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4		
Fluorotrichloromethane	2017-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4		
Fluorotrichloromethane	2017-11	ug/L										< 4	< 4
Fluorotrichloromethane	2018-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4
Fluorotrichloromethane	2018-06	ug/L										< 4	< 4
Fluorotrichloromethane	2018-08	ug/L	< 4	< 4	< 4	< 4		< 4		< 4			
Fluorotrichloromethane	2018-09	ug/L									< 4	< 4	< 4
Fluorotrichloromethane	2018-11	ug/L										< 4	< 4
Fluorotrichloromethane	2019-03	ug/L	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4	< 4	
Fluorotrichloromethane	2019-04	ug/L											< 4
Fluorotrichloromethane	2019-08	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4
Fluorotrichloromethane	2020-03	ug/L	< 4	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 4	< 4
Fluorotrichloromethane	2020-04	ug/L											
Fluorotrichloromethane	2020-08	ug/L	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Fluorotrichloromethane	2021-03	ug/L	< 4		< 4	< 4							< 4
Fluorotrichloromethane	2021-08	ug/L	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Fluorotrichloromethane	2022-03	ug/L	< 4		< 4	< 4							< 4
Fluorotrichloromethane	2022-08	ug/L	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Fluorotrichloromethane	2023-03	ug/L	< 4		< 4	< 4							< 4
Fluorotrichloromethane	2023-08	ug/L	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Fluorotrichloromethane	2024-03	ug/L	< 4		< 4	< 4							< 4
Fluorotrichloromethane	2024-08	ug/L	< 4	< 4	< 4	< 4	< 4			< 4	< 4	< 4	< 4
Fluorotrichloromethane	2025-03	ug/L	< 4		< 4	< 4							< 4
Fluorotrichloromethane	2025-08	ug/L	< 4	< 4	< 4 J	< 4	< 4			< 4	< 4	< 4	< 4
Heptachlor	2008-08	ug/L	< 0.047	< 0.053									
Heptachlor	2008-09	ug/L			< 0.016								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Heptachlor	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Heptachlor	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
Heptachlor	2012-03	ug/L												
Heptachlor	2013-03	ug/L												
Heptachlor	2014-03	ug/L												
Heptachlor	2014-09	ug/L												
Heptachlor	2015-03	ug/L												
Heptachlor	2015-06	ug/L						< 0.0348	< 0.032					
Heptachlor	2015-09	ug/L	< 0.0356	< 0.0356				< 0.036	< 0.0327	< 0.0356	< 0.0352			
Heptachlor	2015-10	ug/L			< 0.0372	< 0.0364								
Heptachlor	2016-03	ug/L												
Heptachlor	2016-06	ug/L					< 0.0364							
Heptachlor	2016-08	ug/L					< 0.0337							
Heptachlor	2017-03	ug/L												
Heptachlor	2017-08	ug/L												
Heptachlor	2018-11	ug/L											< 0.036	
Heptachlor	2019-03	ug/L											< 0.0372	
Heptachlor	2020-08	ug/L	**0.00687 J**	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.039	< 0.0376	< 0.039			
Heptachlor	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	< 0.0941	< 0.097	< 0.0897	< 0.0951			
Heptachlor Epoxide	2008-08	ug/L	< 0.054	< 0.053	< 0.047	< 0.047	< 0.052	< 0.053	< 0.054	< 0.056	< 0.053		< 0.053	
Heptachlor Epoxide	2008-09	ug/L										< 0.016		< 0.016
Heptachlor Epoxide	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Heptachlor Epoxide	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
Heptachlor Epoxide	2015-06	ug/L						< 0.0348	< 0.032					
Heptachlor Epoxide	2015-09	ug/L	< 0.0356	< 0.0356				< 0.036	< 0.0327	< 0.0356	< 0.0352			
Heptachlor Epoxide	2015-10	ug/L			< 0.0372	< 0.0364								
Heptachlor Epoxide	2016-03	ug/L												
Heptachlor Epoxide	2016-06	ug/L					< 0.0364							
Heptachlor Epoxide	2016-08	ug/L					< 0.0337							
Heptachlor Epoxide	2018-11	ug/L											< 0.036	
Heptachlor Epoxide	2019-03	ug/L											< 0.0372	
Heptachlor Epoxide	2020-08	ug/L	< 0.0376	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.039	< 0.0376	< 0.039			
Heptachlor Epoxide	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	< 0.0941	< 0.097	< 0.0897	< 0.0951			
Hexachlorobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexachlorobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexachlorobenzene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Hexachlorobenzene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Hexachlorobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Hexachlorobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Hexachlorobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Hexachlorobenzene	2015-06	ug/L						< 10.5	< 11.1					
Hexachlorobenzene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Hexachlorobenzene	2015-10	ug/L			< 10.3	< 10.5								
Hexachlorobenzene	2016-03	ug/L												
Hexachlorobenzene	2016-06	ug/L					< 11.4							
Hexachlorobenzene	2016-08	ug/L					< 11							
Hexachlorobenzene	2018-11	ug/L											< 11.6	
Hexachlorobenzene	2019-03	ug/L											< 12.2	
Hexachlorobenzene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Hexachlorobenzene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Hexachlorobutadiene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexachlorobutadiene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexachlorobutadiene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Hexachlorobutadiene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Hexachlorobutadiene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Hexachlorobutadiene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Hexachlorobutadiene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Hexachlorobutadiene	2015-06	ug/L						< 10.5	< 11.1					
Hexachlorobutadiene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Hexachlorobutadiene	2015-10	ug/L			< 10.3	< 10.5								
Hexachlorobutadiene	2016-03	ug/L												
Hexachlorobutadiene	2016-06	ug/L					< 11.4							
Hexachlorobutadiene	2016-08	ug/L					< 11							
Hexachlorobutadiene	2018-11	ug/L											< 11.6	
Hexachlorobutadiene	2019-03	ug/L											< 12.2	
Hexachlorobutadiene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Hexachlorobutadiene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Hexachlorocyclopentadiene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexachlorocyclopentadiene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexachlorocyclopentadiene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Hexachlorocyclopentadiene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Hexachlorocyclopentadiene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Hexachlorocyclopentadiene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Hexachlorocyclopentadiene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Hexachlorocyclopentadiene	2015-06	ug/L						< 21.1	< 22.2					
Hexachlorocyclopentadiene	2015-09	ug/L	< 22.2	< 22.5				< 22.2	< 20.4	< 22.5	< 22.2			
Hexachlorocyclopentadiene	2015-10	ug/L			< 20.6	< 21.1								
Hexachlorocyclopentadiene	2016-03	ug/L												
Hexachlorocyclopentadiene	2016-06	ug/L					< 22.7							
Hexachlorocyclopentadiene	2016-08	ug/L					< 22							
Hexachlorocyclopentadiene	2018-11	ug/L											< 11.6	
Hexachlorocyclopentadiene	2019-03	ug/L											< 12.2	
Hexachlorocyclopentadiene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Hexachlorocyclopentadiene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Hexachloroethane	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexachloroethane	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexachloroethane	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**
Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Heptachlor	2009-03	ug/L	< 0.032	< 0.032	< 0.032								
Heptachlor	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
Heptachlor	2012-03	ug/L			< 0.0320								
Heptachlor	2013-03	ug/L			< 0.0344								
Heptachlor	2014-03	ug/L			< 0.0330								
Heptachlor	2014-09	ug/L			< 0.032								
Heptachlor	2015-03	ug/L			< 0.0337								
Heptachlor	2015-06	ug/L											
Heptachlor	2015-09	ug/L	< 0.0344	< 0.0352	< 0.0352								
Heptachlor	2015-10	ug/L				< 0.0364							
Heptachlor	2016-03	ug/L			< 0.034	< 0.0356							
Heptachlor	2016-06	ug/L											
Heptachlor	2016-08	ug/L			< 0.0356	< 0.0327							
Heptachlor	2017-03	ug/L			< 0.0337	< 0.0356							
Heptachlor	2017-08	ug/L			< 0.0337	< 0.0344							
Heptachlor	2018-11	ug/L											
Heptachlor	2019-03	ug/L											
Heptachlor	2020-08	ug/L	< 0.0376	< 0.039	< 0.039	< 0.0376							
Heptachlor	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
Heptachlor Epoxide	2008-08	ug/L	< 0.047	< 0.053									
Heptachlor Epoxide	2008-09	ug/L			< 0.016								
Heptachlor Epoxide	2009-03	ug/L	< 0.032	< 0.032	< 0.032								
Heptachlor Epoxide	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
Heptachlor Epoxide	2015-06	ug/L											
Heptachlor Epoxide	2015-09	ug/L	< 0.0344	< 0.0352	< 0.0352								
Heptachlor Epoxide	2015-10	ug/L				< 0.0364							
Heptachlor Epoxide	2016-03	ug/L			< 0.034	< 0.0356							
Heptachlor Epoxide	2016-06	ug/L											
Heptachlor Epoxide	2016-08	ug/L			< 0.0356	< 0.0327							
Heptachlor Epoxide	2018-11	ug/L											
Heptachlor Epoxide	2019-03	ug/L											
Heptachlor Epoxide	2020-08	ug/L	< 0.0376	< 0.039	< 0.039	< 0.0376							
Heptachlor Epoxide	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
Hexachlorobenzene	2008-08	ug/L	< 10	< 10	< 10								
Hexachlorobenzene	2009-03	ug/L	< 10	< 10	< 10								
Hexachlorobenzene	2009-07	ug/L	< 10	< 10	< 10.0								
Hexachlorobenzene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Hexachlorobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Hexachlorobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Hexachlorobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Hexachlorobenzene	2015-06	ug/L											
Hexachlorobenzene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Hexachlorobenzene	2015-10	ug/L				< 10.6							
Hexachlorobenzene	2016-03	ug/L			< 10	< 10							
Hexachlorobenzene	2016-06	ug/L											
Hexachlorobenzene	2016-08	ug/L			< 11.1	< 11.5							
Hexachlorobenzene	2018-11	ug/L											
Hexachlorobenzene	2019-03	ug/L											
Hexachlorobenzene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Hexachlorobenzene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Hexachlorobutadiene	2008-08	ug/L	< 10	< 10	< 10								
Hexachlorobutadiene	2009-03	ug/L	< 10	< 10	< 10								
Hexachlorobutadiene	2009-07	ug/L	< 10	< 10	< 10.0								
Hexachlorobutadiene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Hexachlorobutadiene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Hexachlorobutadiene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Hexachlorobutadiene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Hexachlorobutadiene	2015-06	ug/L											
Hexachlorobutadiene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Hexachlorobutadiene	2015-10	ug/L				< 10.6							
Hexachlorobutadiene	2016-03	ug/L			< 10	< 10							
Hexachlorobutadiene	2016-06	ug/L											
Hexachlorobutadiene	2016-08	ug/L			< 11.1	< 11.5							
Hexachlorobutadiene	2018-11	ug/L											
Hexachlorobutadiene	2019-03	ug/L											
Hexachlorobutadiene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Hexachlorobutadiene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Hexachlorocyclopentadiene	2008-08	ug/L	< 10	< 10	< 10								
Hexachlorocyclopentadiene	2009-03	ug/L	< 10	< 10	< 10								
Hexachlorocyclopentadiene	2009-07	ug/L	< 10	< 10	< 10.0								
Hexachlorocyclopentadiene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Hexachlorocyclopentadiene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Hexachlorocyclopentadiene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Hexachlorocyclopentadiene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Hexachlorocyclopentadiene	2015-06	ug/L											
Hexachlorocyclopentadiene	2015-09	ug/L	< 21.7	< 21.1	< 22.5								
Hexachlorocyclopentadiene	2015-10	ug/L				< 21.3							
Hexachlorocyclopentadiene	2016-03	ug/L			< 20	< 20							
Hexachlorocyclopentadiene	2016-06	ug/L											
Hexachlorocyclopentadiene	2016-08	ug/L			< 22.2	< 23							
Hexachlorocyclopentadiene	2018-11	ug/L											
Hexachlorocyclopentadiene	2019-03	ug/L											
Hexachlorocyclopentadiene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Hexachlorocyclopentadiene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Hexachloroethane	2008-08	ug/L	< 10	< 10	< 10								
Hexachloroethane	2009-03	ug/L	< 10	< 10	< 10								
Hexachloroethane	2009-07	ug/L	< 10	< 10	< 10.0								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Hexachloroethane	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Hexachloroethane	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Hexachloroethane	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Hexachloroethane	2012-03	ug/L												
Hexachloroethane	2012-09	ug/L												
Hexachloroethane	2013-03	ug/L												
Hexachloroethane	2015-06	ug/L						< 10.5	< 11.1					
Hexachloroethane	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Hexachloroethane	2015-10	ug/L			< 10.3	< 10.5								
Hexachloroethane	2016-03	ug/L												
Hexachloroethane	2016-06	ug/L					< 11.4							
Hexachloroethane	2016-08	ug/L					< 11							
Hexachloroethane	2018-11	ug/L											< 11.6	
Hexachloroethane	2019-03	ug/L											< 12.2	
Hexachloroethane	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Hexachloroethane	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Hexachloropropene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexachloropropene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexachloropropene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Hexachloropropene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Hexachloropropene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Hexachloropropene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Hexachloropropene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Hexachloropropene	2015-06	ug/L						< 10.5	< 11.1					
Hexachloropropene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Hexachloropropene	2015-10	ug/L			< 10.3	< 10.5								
Hexachloropropene	2016-03	ug/L												
Hexachloropropene	2016-06	ug/L					< 11.4							
Hexachloropropene	2016-08	ug/L					< 11							
Hexachloropropene	2018-11	ug/L											< 11.6	
Hexachloropropene	2019-03	ug/L											< 12.2	
Hexachloropropene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Hexachloropropene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Indeno(1,2,3-cd)pyrene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Indeno(1,2,3-cd)pyrene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Indeno(1,2,3-cd)pyrene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Indeno(1,2,3-cd)pyrene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Indeno(1,2,3-cd)pyrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Indeno(1,2,3-cd)pyrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Indeno(1,2,3-cd)pyrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Indeno(1,2,3-cd)pyrene	2012-03	ug/L												
Indeno(1,2,3-cd)pyrene	2012-09	ug/L												
Indeno(1,2,3-cd)pyrene	2013-03	ug/L												
Indeno(1,2,3-cd)pyrene	2015-06	ug/L						< 10.5	< 11.1					
Indeno(1,2,3-cd)pyrene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Indeno(1,2,3-cd)pyrene	2015-10	ug/L			< 10.3	< 10.5								
Indeno(1,2,3-cd)pyrene	2016-03	ug/L												
Indeno(1,2,3-cd)pyrene	2016-06	ug/L					< 11.4							
Indeno(1,2,3-cd)pyrene	2016-08	ug/L					< 11							
Indeno(1,2,3-cd)pyrene	2018-11	ug/L											< 11.6	
Indeno(1,2,3-cd)pyrene	2019-03	ug/L											< 12.2	
Indeno(1,2,3-cd)pyrene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Indeno(1,2,3-cd)pyrene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Iodomethane	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2009-07	ug/L	< 10	< 20	< 10	< 10		< 10	< 20.0	< 20.0	< 10			
Iodomethane	2009-09	ug/L	< 20.0	< 10	< 10.0	< 50.0		< 10	< 10	< 10	< 10			
Iodomethane	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Iodomethane	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Iodomethane	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Iodomethane	2011-09	ug/L	< 10.0	< 20.0	< 50.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 20.0	< 10.0	< 10.0	< 50.0
Iodomethane	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Iodomethane	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Iodomethane	2013-03	ug/L	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10	< 10	< 10
Iodomethane	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Iodomethane	2013-11	ug/L												
Iodomethane	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Iodomethane	2014-06	ug/L												
Iodomethane	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2015-03	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0
Iodomethane	2015-06	ug/L						< 10	< 10					
Iodomethane	2015-09	ug/L	< 10	< 10			< 10	< 10	< 10	< 10	< 10	< 10		
Iodomethane	2015-10	ug/L			< 10	< 10							< 10	< 10
Iodomethane	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2016-06	ug/L					< 10							
Iodomethane	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2017-11	ug/L												
Iodomethane	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2018-06	ug/L												
Iodomethane	2018-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Iodomethane	2018-09	ug/L							< 10	< 10				
Iodomethane	2018-11	ug/L											< 10	
Iodomethane	2019-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2019-04	ug/L												

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Hexachloroethane	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Hexachloroethane	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Hexachloroethane	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Hexachloroethane	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Hexachloroethane	2012-03	ug/L			< 10.0								
Hexachloroethane	2012-09	ug/L			< 10.0								
Hexachloroethane	2013-03	ug/L			< 10.4								
Hexachloroethane	2015-06	ug/L											
Hexachloroethane	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Hexachloroethane	2015-10	ug/L				< 10.6							
Hexachloroethane	2016-03	ug/L			< 10	< 10							
Hexachloroethane	2016-06	ug/L											
Hexachloroethane	2016-08	ug/L			< 11.1	< 11.5							
Hexachloroethane	2018-11	ug/L											
Hexachloroethane	2019-03	ug/L											
Hexachloroethane	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Hexachloroethane	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Hexachloropropene	2008-08	ug/L	< 10	< 10	< 10								
Hexachloropropene	2009-03	ug/L	< 10	< 10	< 10								
Hexachloropropene	2009-07	ug/L	< 10	< 10	< 10.0								
Hexachloropropene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Hexachloropropene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Hexachloropropene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Hexachloropropene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Hexachloropropene	2015-06	ug/L											
Hexachloropropene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Hexachloropropene	2015-10	ug/L				< 10.6							
Hexachloropropene	2016-03	ug/L			< 10	< 10							
Hexachloropropene	2016-06	ug/L											
Hexachloropropene	2016-08	ug/L			< 11.1	< 11.5							
Hexachloropropene	2018-11	ug/L											
Hexachloropropene	2019-03	ug/L											
Hexachloropropene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Hexachloropropene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Indeno(1,2,3-cd)pyrene	2008-08	ug/L	< 10	< 10	< 10								
Indeno(1,2,3-cd)pyrene	2009-03	ug/L	< 10	< 10	< 10								
Indeno(1,2,3-cd)pyrene	2009-07	ug/L	< 10	< 10	< 10.0								
Indeno(1,2,3-cd)pyrene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Indeno(1,2,3-cd)pyrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Indeno(1,2,3-cd)pyrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Indeno(1,2,3-cd)pyrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Indeno(1,2,3-cd)pyrene	2012-03	ug/L			< 10.0								
Indeno(1,2,3-cd)pyrene	2012-09	ug/L			< 10.0								
Indeno(1,2,3-cd)pyrene	2013-03	ug/L			< 10.4								
Indeno(1,2,3-cd)pyrene	2015-06	ug/L											
Indeno(1,2,3-cd)pyrene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Indeno(1,2,3-cd)pyrene	2015-10	ug/L				< 10.6							
Indeno(1,2,3-cd)pyrene	2016-03	ug/L			< 10	< 10							
Indeno(1,2,3-cd)pyrene	2016-06	ug/L											
Indeno(1,2,3-cd)pyrene	2016-08	ug/L			< 11.1	< 11.5							
Indeno(1,2,3-cd)pyrene	2018-11	ug/L											
Indeno(1,2,3-cd)pyrene	2019-03	ug/L											
Indeno(1,2,3-cd)pyrene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Indeno(1,2,3-cd)pyrene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Iodomethane	2008-08	ug/L	< 10	< 10	< 10								
Iodomethane	2009-03	ug/L	< 10	< 10	< 10								
Iodomethane	2009-07	ug/L	< 20	< 10									
Iodomethane	2009-09	ug/L	< 10.0	< 20.0	< 10.0								
Iodomethane	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Iodomethane	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Iodomethane	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Iodomethane	2011-09	ug/L	< 50.0	< 20.0	< 20.0								
Iodomethane	2012-03	ug/L	< 10.0	< 10.0	< 10.0								
Iodomethane	2012-09	ug/L	< 10.0	< 10.0	< 10.0								
Iodomethane	2013-03	ug/L	< 10	< 10	< 10.0								
Iodomethane	2013-09	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Iodomethane	2013-11	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Iodomethane	2014-03	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Iodomethane	2014-06	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Iodomethane	2014-09	ug/L	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10		
Iodomethane	2015-03	ug/L	< 10.0	< 10.0	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Iodomethane	2015-06	ug/L											
Iodomethane	2015-09	ug/L	< 10	< 10	< 10								
Iodomethane	2015-10	ug/L				< 10	< 10	< 10		< 10	< 10		
Iodomethane	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
Iodomethane	2016-06	ug/L											
Iodomethane	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
Iodomethane	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
Iodomethane	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
Iodomethane	2017-11	ug/L										< 10	< 10
Iodomethane	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
Iodomethane	2018-06	ug/L										< 10	< 10
Iodomethane	2018-08	ug/L	< 10	< 10	< 10	< 10		< 10		< 10			
Iodomethane	2018-09	ug/L										< 10	< 10
Iodomethane	2018-11	ug/L										< 10	< 10
Iodomethane	2019-03	ug/L	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	
Iodomethane	2019-04	ug/L											< 10

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Iodomethane	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2020-03	ug/L		< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Iodomethane	2020-04	ug/L	< 10		< 10									
Iodomethane	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Iodomethane	2021-03	ug/L				< 10								
Iodomethane	2021-08	ug/L	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Iodomethane	2022-03	ug/L				< 10								
Iodomethane	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Iodomethane	2023-03	ug/L				< 10								
Iodomethane	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Iodomethane	2024-03	ug/L				< 10								
Iodomethane	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Iodomethane	2025-03	ug/L				< 10								
Iodomethane	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Isobutanol	2008-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutanol	2009-03	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isobutanol	2010-09	mg/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Isobutanol	2015-06	mg/L						< 10	< 10					
Isobutanol	2015-09	mg/L	< 10	< 10				< 10	< 10	< 10	< 10			
Isobutanol	2015-10	mg/L			< 10	< 10								
Isobutanol	2016-03	mg/L												
Isobutanol	2016-06	mg/L					< 10							
Isobutanol	2016-08	mg/L					< 10							
Isobutanol	2018-11	mg/L											< 10	
Isobutanol	2019-03	mg/L											< 10	
Isobutanol	2020-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Isobutanol	2025-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Isodrin	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isodrin	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isodrin	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Isodrin	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Isodrin	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Isodrin	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Isodrin	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Isodrin	2015-06	ug/L						< 10.5	< 11.1					
Isodrin	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Isodrin	2015-10	ug/L			< 10.3	< 10.5								
Isodrin	2016-03	ug/L												
Isodrin	2016-06	ug/L					< 11.4							
Isodrin	2016-08	ug/L					< 11							
Isodrin	2018-11	ug/L											< 11.6	
Isodrin	2019-03	ug/L											< 12.2	
Isodrin	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Isodrin	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Isophorone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isophorone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isophorone	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Isophorone	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Isophorone	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Isophorone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Isophorone	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Isophorone	2015-06	ug/L						< 10.5	< 11.1					
Isophorone	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Isophorone	2015-10	ug/L			< 10.3	< 10.5								
Isophorone	2016-03	ug/L												
Isophorone	2016-06	ug/L					< 11.4							
Isophorone	2016-08	ug/L					< 11							
Isophorone	2018-11	ug/L											< 11.6	
Isophorone	2019-03	ug/L											< 12.2	
Isophorone	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Isophorone	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Isosafrole	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isosafrole	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isosafrole	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Isosafrole	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Isosafrole	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Isosafrole	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Isosafrole	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Isosafrole	2011-09	ug/L												
Isosafrole	2012-03	ug/L												
Isosafrole	2012-09	ug/L												
Isosafrole	2013-03	ug/L												
Isosafrole	2013-09	ug/L												
Isosafrole	2015-06	ug/L						< 10.5	< 11.1					
Isosafrole	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Isosafrole	2015-10	ug/L			< 10.3	< 10.5								
Isosafrole	2016-03	ug/L												
Isosafrole	2016-06	ug/L					< 11.4							
Isosafrole	2016-08	ug/L					< 11							
Isosafrole	2018-11	ug/L											< 11.6	
Isosafrole	2019-03	ug/L											< 12.2	
Isosafrole	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Isosafrole	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Kepone	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Kepone	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Kepone	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Kepone	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**
Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Iodomethane	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
Iodomethane	2020-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
Iodomethane	2020-04	ug/L											
Iodomethane	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Iodomethane	2021-03	ug/L	< 10		< 10	< 10							< 10
Iodomethane	2021-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Iodomethane	2022-03	ug/L	< 10		< 10	< 10							< 10
Iodomethane	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Iodomethane	2023-03	ug/L	< 10		< 10	< 10							< 10
Iodomethane	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Iodomethane	2024-03	ug/L	< 10		< 10	< 10							< 10
Iodomethane	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Iodomethane	2025-03	ug/L	< 10		< 10	< 10							< 10
Iodomethane	2025-08	ug/L	< 10	< 10	< 10 J	< 10	< 10			< 10	< 10	< 10	< 10
Isobutanol	2008-08	mg/L	< 10	< 10	< 10								
Isobutanol	2009-03	mg/L	< 10	< 10	< 10								
Isobutanol	2010-09	mg/L	< 10.0	< 10.0	< 10.0								
Isobutanol	2015-06	mg/L											
Isobutanol	2015-09	mg/L	< 10	< 10	< 10								
Isobutanol	2015-10	mg/L				< 10							
Isobutanol	2016-03	mg/L			< 10	< 10							
Isobutanol	2016-06	mg/L											
Isobutanol	2016-08	mg/L			< 10	< 10							
Isobutanol	2018-11	mg/L											
Isobutanol	2019-03	mg/L											
Isobutanol	2020-08	mg/L	< 10	< 10	< 10	< 10							
Isobutanol	2025-08	mg/L	< 10	< 10	< 10	< 10							
Isodrin	2008-08	ug/L	< 10	< 10	< 10								
Isodrin	2009-03	ug/L	< 10	< 10	< 10								
Isodrin	2009-07	ug/L	< 10	< 10	< 10.0								
Isodrin	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Isodrin	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Isodrin	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Isodrin	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Isodrin	2015-06	ug/L											
Isodrin	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Isodrin	2015-10	ug/L				< 10.6							
Isodrin	2016-03	ug/L			< 10	< 10							
Isodrin	2016-06	ug/L											
Isodrin	2016-08	ug/L			< 11.1	< 11.5							
Isodrin	2018-11	ug/L											
Isodrin	2019-03	ug/L											
Isodrin	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Isodrin	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Isophorone	2008-08	ug/L	< 10	< 10	< 10								
Isophorone	2009-03	ug/L	< 10	< 10	< 10								
Isophorone	2009-07	ug/L	< 10	< 10	< 10.0								
Isophorone	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Isophorone	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Isophorone	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Isophorone	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Isophorone	2015-06	ug/L											
Isophorone	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Isophorone	2015-10	ug/L				< 10.6							
Isophorone	2016-03	ug/L			< 10	< 10							
Isophorone	2016-06	ug/L											
Isophorone	2016-08	ug/L			< 11.1	< 11.5							
Isophorone	2018-11	ug/L											
Isophorone	2019-03	ug/L											
Isophorone	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Isophorone	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Isosafrole	2008-08	ug/L	< 10	< 10	< 10								
Isosafrole	2009-03	ug/L	< 10	< 10	< 10								
Isosafrole	2009-07	ug/L	< 10	< 10	< 10.0								
Isosafrole	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Isosafrole	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Isosafrole	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Isosafrole	2011-03	ug/L	< 10.0	< 10.0	**0.184 J**								
Isosafrole	2011-09	ug/L			**0.184 J**								
Isosafrole	2012-03	ug/L			< 10.0								
Isosafrole	2012-09	ug/L			< 10.0								
Isosafrole	2013-03	ug/L			< 10.4								
Isosafrole	2013-09	ug/L			< 10.2								
Isosafrole	2015-06	ug/L											
Isosafrole	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Isosafrole	2015-10	ug/L				< 10.6							
Isosafrole	2016-03	ug/L			< 10	< 10							
Isosafrole	2016-06	ug/L											
Isosafrole	2016-08	ug/L			< 11.1	< 11.5							
Isosafrole	2018-11	ug/L											
Isosafrole	2019-03	ug/L											
Isosafrole	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Isosafrole	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Kepone	2008-08	ug/L	< 10	< 10	< 10								
Kepone	2009-03	ug/L	< 10	< 10	< 10								
Kepone	2009-07	ug/L	< 10	< 10	< 10.0								
Kepone	2009-09	ug/L	< 10.0	< 10.0	< 10.0								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Kepone	2010-03	ug/L	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0	< 20.0
Kepone	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Kepone	2011-03	ug/L	< 0.840	< 10.0	< 10.0	< 10.0				< 0.537				
Kepone	2011-09	ug/L												
Kepone	2012-03	ug/L												
Kepone	2012-09	ug/L												
Kepone	2013-03	ug/L												
Kepone	2013-09	ug/L												
Kepone	2015-06	ug/L						< 10.5	< 11.1					
Kepone	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Kepone	2015-10	ug/L			< 10.3	< 10.5								
Kepone	2016-03	ug/L												
Kepone	2016-06	ug/L					< 11.4							
Kepone	2016-08	ug/L					< 11							
Kepone	2018-11	ug/L											< 11.6	
Kepone	2019-03	ug/L											< 12.2	
Kepone	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Kepone	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Lead	2008-08	mg/L	< 0.01	< 0.01	< 0.01	**0.01**	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	2009-03	mg/L	**0.01**	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	2009-07	mg/L	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	2009-09	mg/L	< 0.00400	< 0.004		**0.0208**		< 0.004	< 0.004	< 0.004	< 0.004	< 0.004		
Lead	2010-03	mg/L	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400
Lead	2010-09	mg/L	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400
Lead	2011-03	mg/L	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400
Lead	2011-09	mg/L	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400
Lead	2012-03	mg/L	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400
Lead	2012-09	mg/L	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400
Lead	2013-03	mg/L	< 0.00400	< 0.00400	< 0.004 J	< 0.004 J	< 0.004	< 0.004	< 0.004	< 0.004	< 0.00400	< 0.004	< 0.004	< 0.004
Lead	2013-09	mg/L	**0.00104 J**	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400
Lead	2013-11	mg/L												
Lead	2014-03	mg/L	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400
Lead	2014-06	mg/L												
Lead	2014-09	mg/L	**0.000169 J**	< 0.0005	**0.000181 J**	**0.000347 J**	< 0.0005	**0.000131 J**	**0.000137 J**	**0.000344 J**	< 0.0005	< 0.0005	**0.000123 J**	< 0.0005
Lead	2015-03	mg/L	< 0.000500	**0.000529**	**0.000154 J**	**0.000169 J**	**0.000407 J**	< 0.0005	< 0.000500	**0.000133 J**	**0.000211 J**	**0.000914**	**0.000168 J**	**0.000110 J**
Lead	2015-06	mg/L						< 0.0005	< 0.0005					
Lead	2015-09	mg/L	**0.000106 J**	**0.000449 J**			< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.00015 J**		
Lead	2015-10	mg/L			< 0.0005	**0.000148 J**							< 0.0005	< 0.0005
Lead	2016-03	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2016-06	mg/L					**0.000662**							
Lead	2016-08	mg/L	**0.000213 J**	**0.000409 J**	**0.000237 J**	< 0.0005	**0.000995**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2017-03	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000395 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2017-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2017-11	mg/L												
Lead	2018-03	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000328 J**	< 0.0005
Lead	2018-06	mg/L												
Lead	2018-08	mg/L	< 0.0005	< 0.0005	< 0.0005	**0.000435 J**	< 0.0005	< 0.0005			< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2018-09	mg/L							< 0.0005	< 0.0005				
Lead	2018-11	mg/L											< 0.0005	
Lead	2019-03	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2019-04	mg/L												
Lead	2019-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2020-03	mg/L		< 0.0005		< 0.0005	< 0.002	< 0.0005	< 0.002	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2020-04	mg/L	< 0.0005		< 0.0005									
Lead	2020-08	mg/L	< 0.0005	**0.000144 J**	< 0.0005	**0.000123 J**	< 0.0005	< 0.0005	**0.00011 J**	< 0.0005	< 0.0005			< 0.0005
Lead	2021-03	mg/L				< 0.0005								
Lead	2021-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005			< 0.0005
Lead	2022-03	mg/L				< 0.0005								
Lead	2022-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000281 J**	< 0.0005	< 0.0005			< 0.0005
Lead	2023-03	mg/L				**0.000397 J**								
Lead	2023-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.000427 J**	**0.0006**			< 0.0005
Lead	2024-03	mg/L				< 0.0005								
Lead	2024-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005			< 0.0005
Lead	2025-03	mg/L				< 0.0005								
Lead	2025-06	mg/L												
Lead	2025-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005			< 0.0005
Lindane (BHC, Gamma-)	2008-08	ug/L	< 0.054	< 0.053	< 0.047	< 0.047	< 0.052	< 0.053	< 0.054	< 0.056	< 0.053		< 0.053	
Lindane (BHC, Gamma-)	2008-09	ug/L										< 0.016		< 0.016
Lindane (BHC, Gamma-)	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Lindane (BHC, Gamma-)	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
Lindane (BHC, Gamma-)	2015-06	ug/L						< 0.0348	< 0.032					
Lindane (BHC, Gamma-)	2015-09	ug/L	**0.00225 J**	< 0.0356				< 0.036	< 0.0327	< 0.0356	< 0.0352			
Lindane (BHC, Gamma-)	2015-10	ug/L			< 0.0372	< 0.0364								
Lindane (BHC, Gamma-)	2016-03	ug/L												
Lindane (BHC, Gamma-)	2016-06	ug/L					< 0.0364							
Lindane (BHC, Gamma-)	2016-08	ug/L					< 0.0337							
Lindane (BHC, Gamma-)	2018-11	ug/L											< 0.036	
Lindane (BHC, Gamma-)	2019-03	ug/L											< 0.0372	
Lindane (BHC, Gamma-)	2020-08	ug/L	**0.00411 J**	< 0.039	< 0.0376	**0.00369 J**	< 0.0376	< 0.0376	< 0.039	< 0.0376	< 0.039			
Lindane (BHC, Gamma-)	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	< 0.0941	< 0.097	< 0.0897	< 0.0951			
m/p-Cresol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
m/p-Cresol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
m/p-Cresol	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
m/p-Cresol	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
m/p-Cresol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
m/p-Cresol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
m/p-Cresol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Kepone	2010-03	ug/L	< 20.0	< 20.0	< 20.0								
Kepone	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Kepone	2011-03	ug/L	**0.597 J**	< 10.0	< 10.0								
Kepone	2011-09	ug/L	< 10.0		< 10.0								
Kepone	2012-03	ug/L	< 10.0		< 10.0								
Kepone	2012-09	ug/L	< 10.0		< 10.0								
Kepone	2013-03	ug/L	< 10.5		< 10.4								
Kepone	2013-09	ug/L	< 10.1										
Kepone	2015-06	ug/L											
Kepone	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Kepone	2015-10	ug/L				< 10.6							
Kepone	2016-03	ug/L			< 10	< 10							
Kepone	2016-06	ug/L											
Kepone	2016-08	ug/L			< 11.1	< 11.5							
Kepone	2018-11	ug/L											
Kepone	2019-03	ug/L											
Kepone	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Kepone	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Lead	2008-08	mg/L	< 0.01	< 0.01	~~< 0.01~~								
Lead	2009-03	mg/L	< 0.01	< 0.01	~~< 0.01~~								
Lead	2009-07	mg/L	< 0.01	< 0.01	~~< 0.01~~								
Lead	2009-09	mg/L	< 0.00400	< 0.00400	< 0.00400								
Lead	2010-03	mg/L	< 0.00400	< 0.00400	< 0.00400								
Lead	2010-09	mg/L	< 0.00400	< 0.00400	< 0.00400								
Lead	2011-03	mg/L	< 0.00400	< 0.00400	< 0.00400								
Lead	2011-09	mg/L	< 0.00400	< 0.00400	< 0.00400								
Lead	2012-03	mg/L	< 0.00400	< 0.00400	< 0.00400								
Lead	2012-09	mg/L	< 0.00400	< 0.00400	< 0.00400								
Lead	2013-03	mg/L	< 0.004	< 0.004	< 0.00400								
Lead	2013-09	mg/L	< 0.00400	< 0.00400	< 0.00400	~~**0.00810**~~	< 0.00400	**0.00324 J**	**0.00145 J**	**0.00198 J**	**0.00109 J**		
Lead	2013-11	mg/L				~~**0.0208**~~	< 0.00400	**0.00144 J**	< 0.00400	< 0.00400	< 0.00400		
Lead	2014-03	mg/L	< 0.00400	< 0.00400	< 0.00400	~~**0.00276 J**~~	< 0.00400	< 0.00400	< 0.00400	< 0.00400	< 0.00400		
Lead	2014-06	mg/L				~~**0.00435**~~	**0.00148 J**	< 0.00400	**0.00139 J**	< 0.00400	< 0.00400		
Lead	2014-09	mg/L	**0.000214 J**	< 0.0005	**0.000117 J**	~~**0.00261**~~	**0.000375 J**	**0.000114 J**	**0.000499 J**	**0.000248 J**	**0.000213 J**		
Lead	2015-03	mg/L	< 0.000500	< 0.000500	< 0.0005	~~< 0.000500 J~~	**0.000870**	**0.000330 J**	**0.000558**	< 0.000500	**0.000129 J**		
Lead	2015-06	mg/L											
Lead	2015-09	mg/L	**0.00017 J**	< 0.0005	< 0.0005								
Lead	2015-10	mg/L				< 0.0005	< 0.0005	< 0.0005		< 0.0005	< 0.0005		
Lead	2016-03	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005		< 0.0005	< 0.0005		
Lead	2016-06	mg/L											
Lead	2016-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005		< 0.0005	< 0.0005		
Lead	2017-03	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005		< 0.0005	< 0.0005		
Lead	2017-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005		< 0.0005	< 0.0005		
Lead	2017-11	mg/L										**0.000398 J**	< 0.0005
Lead	2018-03	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005		< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2018-06	mg/L										< 0.0005	< 0.0005
Lead	2018-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005		< 0.0005		< 0.0005			
Lead	2018-09	mg/L									< 0.0005	< 0.0005	< 0.0005
Lead	2018-11	mg/L										< 0.0005	< 0.0005
Lead	2019-03	mg/L	**0.000843**	< 0.0005	< 0.0005	< 0.0005		< 0.0005	**0.000363 J**	< 0.0005	< 0.0005	< 0.0005	
Lead	2019-04	mg/L											< 0.0005
Lead	2019-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005		< 0.0005	**0.000274 J**	< 0.0005	< 0.0005
Lead	2020-03	mg/L	**0.000521**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005		< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2020-04	mg/L											
Lead	2020-08	mg/L	**0.000271 J**	< 0.0005	< 0.0005	< 0.0005	< 0.0005			< 0.0005	**0.000176 J**	< 0.0005	< 0.0005
Lead	2021-03	mg/L	**0.000699**		< 0.0005	< 0.0005							< 0.0005
Lead	2021-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005			< 0.0005	**0.000469 J**	**0.000234 J**	< 0.0005
Lead	2022-03	mg/L	< 0.0005		< 0.0005	< 0.0005							< 0.0005
Lead	2022-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005			< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2023-03	mg/L	< 0.0005		< 0.0005	< 0.0005							< 0.0005
Lead	2023-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005			< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2024-03	mg/L	< 0.0005		< 0.0005	< 0.0005							< 0.0005
Lead	2024-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005			< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lead	2025-03	mg/L	~~**0.000755 R**~~		~~**0.000525 R**~~	~~**0.000672 R**~~							< 0.0005
Lead	2025-06	mg/L	< 0.0005										
Lead	2025-08	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005			< 0.0005	< 0.0005	< 0.0005	< 0.0005
Lindane (BHC, Gamma-)	2008-08	ug/L	< 0.047	< 0.053									
Lindane (BHC, Gamma-)	2008-09	ug/L			< 0.016								
Lindane (BHC, Gamma-)	2009-03	ug/L	< 0.032	< 0.032	< 0.032								
Lindane (BHC, Gamma-)	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
Lindane (BHC, Gamma-)	2015-06	ug/L											
Lindane (BHC, Gamma-)	2015-09	ug/L	< 0.0344	< 0.0352	< 0.0352								
Lindane (BHC, Gamma-)	2015-10	ug/L				< 0.0364							
Lindane (BHC, Gamma-)	2016-03	ug/L			< 0.034	< 0.0356							
Lindane (BHC, Gamma-)	2016-06	ug/L											
Lindane (BHC, Gamma-)	2016-08	ug/L			< 0.0356	< 0.0327							
Lindane (BHC, Gamma-)	2018-11	ug/L											
Lindane (BHC, Gamma-)	2019-03	ug/L											
Lindane (BHC, Gamma-)	2020-08	ug/L	**0.00341 J**	**0.0089 J**	< 0.039	< 0.0376							
Lindane (BHC, Gamma-)	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
m/p-Cresol	2008-08	ug/L	< 10	< 10	< 10								
m/p-Cresol	2009-03	ug/L	< 10	< 10	< 10								
m/p-Cresol	2009-07	ug/L	< 10	< 10	< 10.0								
m/p-Cresol	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
m/p-Cresol	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
m/p-Cresol	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
m/p-Cresol	2011-03	ug/L	< 10.0	< 10.0	< 10.0								

Table 14
Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**
Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m/p-Cresol	2014-03	ug/L												
m/p-Cresol	2014-09	ug/L												
m/p-Cresol	2015-03	ug/L												
m/p-Cresol	2015-06	ug/L						< 10.5	< 11.1					
m/p-Cresol	2015-09	ug/L	< 11.1	< 11.2				< 11.1	**0.312 J**	< 11.2	< 11.1			
m/p-Cresol	2015-10	ug/L			< 10.3	< 10.5								
m/p-Cresol	2016-03	ug/L												
m/p-Cresol	2016-06	ug/L					< 11.4							
m/p-Cresol	2016-08	ug/L					< 11							
m/p-Cresol	2017-03	ug/L												
m/p-Cresol	2017-08	ug/L												
m/p-Cresol	2018-11	ug/L											< 11.6	
m/p-Cresol	2019-03	ug/L											< 12.2	
m/p-Cresol	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
m/p-Cresol	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Mercury	2008-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	**0.0003**	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Mercury	2009-03	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Mercury	2010-03	mg/L						< 0.000200						
Mercury	2010-09	mg/L	< 0.000200		< 0.000200	< 0.000200				< 0.000200				
Mercury	2011-03	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200				< 0.000200				
Mercury	2013-09	mg/L						< 0.000200						
Mercury	2013-11	mg/L												
Mercury	2014-03	mg/L						< 0.000200						
Mercury	2014-06	mg/L												
Mercury	2014-09	mg/L						< 0.0002						
Mercury	2015-03	mg/L												
Mercury	2015-06	mg/L						< 0.0002	< 0.0002					
Mercury	2015-09	mg/L	< 0.0002	< 0.0002				< 0.0002	< 0.0002	< 0.0002	< 0.0002			
Mercury	2015-10	mg/L			< 0.0002	< 0.0002								
Mercury	2016-03	mg/L						< 0.0002						
Mercury	2016-06	mg/L					< 0.0002							
Mercury	2016-08	mg/L					< 0.0002	< 0.0002						
Mercury	2017-03	mg/L						< 0.0002						
Mercury	2017-08	mg/L						< 0.0002						
Mercury	2018-03	mg/L						< 0.0002						
Mercury	2018-08	mg/L						< 0.0002						
Mercury	2018-11	mg/L											< 0.0002	
Mercury	2019-03	mg/L						< 0.0002					< 0.0002	
Mercury	2019-08	mg/L						< 0.0002						
Mercury	2020-03	mg/L						< 0.0002						
Mercury	2020-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002			
Mercury	2021-08	mg/L						< 0.0002						
Mercury	2022-08	mg/L						< 0.0002						
Mercury	2023-08	mg/L						< 0.0002						
Mercury	2024-08	mg/L						< 0.0002						
Mercury	2025-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002			
Methacrylonitrile	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methacrylonitrile	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methacrylonitrile	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
Methacrylonitrile	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
Methacrylonitrile	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Methacrylonitrile	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00				< 1.00				
Methacrylonitrile	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00				< 1.00				
Methacrylonitrile	2012-09	ug/L		< 1.00										
Methacrylonitrile	2015-06	ug/L						< 10	< 10					
Methacrylonitrile	2015-09	ug/L	< 10	< 10				< 10	< 10	< 10	< 10			
Methacrylonitrile	2015-10	ug/L			< 10	< 10								
Methacrylonitrile	2016-03	ug/L												
Methacrylonitrile	2016-06	ug/L					< 10							
Methacrylonitrile	2016-08	ug/L					< 10							
Methacrylonitrile	2018-11	ug/L											< 10	
Methacrylonitrile	2019-03	ug/L											< 10	
Methacrylonitrile	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Methacrylonitrile	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Methapyrilene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methapyrilene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methapyrilene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Methapyrilene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Methapyrilene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Methapyrilene	2010-09	ug/L	< 10.0	< 10.0	**0.295 J**	< 10.0				< 10.0				
Methapyrilene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Methapyrilene	2011-09	ug/L			< 10.0									
Methapyrilene	2012-03	ug/L			< 10.0									
Methapyrilene	2012-09	ug/L			< 10.0									
Methapyrilene	2013-03	ug/L			< 10.6									
Methapyrilene	2013-09	ug/L			< 10.8									
Methapyrilene	2015-06	ug/L						< 10.5	< 11.1					
Methapyrilene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Methapyrilene	2015-10	ug/L			< 10.3	< 10.5								
Methapyrilene	2016-03	ug/L												
Methapyrilene	2016-06	ug/L					< 11.4							
Methapyrilene	2016-08	ug/L					< 11							
Methapyrilene	2018-11	ug/L											< 11.6	
Methapyrilene	2019-03	ug/L											< 12.2	
Methapyrilene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Methapyrilene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Methoxychlor	2008-08	ug/L	< 0.11	< 0.11	< 0.093	< 0.093	< 0.1	< 0.11	< 0.11	< 0.11	< 0.11		< 0.11	

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
m/p-Cresol	2014-03	ug/L			< 10.2								
m/p-Cresol	2014-09	ug/L			< 10								
m/p-Cresol	2015-03	ug/L			< 10.6								
m/p-Cresol	2015-06	ug/L											
m/p-Cresol	2015-09	ug/L	< 10.9	< 10.5	**0.255 J**								
m/p-Cresol	2015-10	ug/L				< 10.6							
m/p-Cresol	2016-03	ug/L			< 10	< 10							
m/p-Cresol	2016-06	ug/L											
m/p-Cresol	2016-08	ug/L			< 11.1	< 11.5							
m/p-Cresol	2017-03	ug/L			< 10.2	< 11.4							
m/p-Cresol	2017-08	ug/L			< 10.6	< 11.1							
m/p-Cresol	2018-11	ug/L											
m/p-Cresol	2019-03	ug/L											
m/p-Cresol	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
m/p-Cresol	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Mercury	2008-08	mg/L	< 0.0002	< 0.0002	< 0.0002								
Mercury	2009-03	mg/L	< 0.0002	< 0.0002	< 0.0002								
Mercury	2010-03	mg/L			< 0.000200								
Mercury	2010-09	mg/L	< 0.000200	< 0.000200	< 0.000200								
Mercury	2011-03	mg/L	< 0.000200	< 0.000200	< 0.000200								
Mercury	2013-09	mg/L				~~< 0.000200~~							
Mercury	2013-11	mg/L				~~< 0.000200 J~~							
Mercury	2014-03	mg/L			< 0.000200	~~< 0.000200~~							
Mercury	2014-06	mg/L				~~< 0.000200~~							
Mercury	2014-09	mg/L			< 0.0002	~~< 0.0002~~							
Mercury	2015-03	mg/L			< 0.0002	~~< 0.000200~~							
Mercury	2015-06	mg/L											
Mercury	2015-09	mg/L	< 0.0002	< 0.0002	< 0.0002								
Mercury	2015-10	mg/L				< 0.0002							
Mercury	2016-03	mg/L			< 0.0002	< 0.0002							
Mercury	2016-06	mg/L											
Mercury	2016-08	mg/L			< 0.0002	< 0.0002							
Mercury	2017-03	mg/L			< 0.0002	< 0.0002							
Mercury	2017-08	mg/L			< 0.0002	< 0.0002							
Mercury	2018-03	mg/L			< 0.0002	< 0.0002							
Mercury	2018-08	mg/L			< 0.0002	< 0.0002							
Mercury	2018-11	mg/L											
Mercury	2019-03	mg/L			< 0.0002	< 0.0002							
Mercury	2019-08	mg/L			< 0.0002	< 0.0002							
Mercury	2020-03	mg/L			< 0.0002	< 0.0002							
Mercury	2020-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002							
Mercury	2021-08	mg/L			< 0.0002	< 0.0002							
Mercury	2022-08	mg/L			< 0.0002	< 0.0002							
Mercury	2023-08	mg/L			< 0.0002	< 0.0002							
Mercury	2024-08	mg/L			< 0.0002	< 0.0002							
Mercury	2025-08	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002							
Methacrylonitrile	2008-08	ug/L	< 1	< 1	< 1								
Methacrylonitrile	2009-03	ug/L	< 1	< 1	< 1								
Methacrylonitrile	2009-07	ug/L	< 1	< 1									
Methacrylonitrile	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
Methacrylonitrile	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
Methacrylonitrile	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
Methacrylonitrile	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
Methacrylonitrile	2012-09	ug/L											
Methacrylonitrile	2015-06	ug/L											
Methacrylonitrile	2015-09	ug/L	< 10	< 10	< 10								
Methacrylonitrile	2015-10	ug/L				< 10							
Methacrylonitrile	2016-03	ug/L			< 10	< 10							
Methacrylonitrile	2016-06	ug/L											
Methacrylonitrile	2016-08	ug/L			< 10	< 10							
Methacrylonitrile	2018-11	ug/L											
Methacrylonitrile	2019-03	ug/L											
Methacrylonitrile	2020-08	ug/L	< 10	< 10	< 10	< 10							
Methacrylonitrile	2025-08	ug/L	< 10	< 10	< 10 J	< 10							
Methapyrilene	2008-08	ug/L	< 10	< 10	< 10								
Methapyrilene	2009-03	ug/L	< 10	< 10	< 10								
Methapyrilene	2009-07	ug/L	< 10	< 10	< 10.0								
Methapyrilene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Methapyrilene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Methapyrilene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Methapyrilene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Methapyrilene	2011-09	ug/L			< 10.0								
Methapyrilene	2012-03	ug/L			< 10.0								
Methapyrilene	2012-09	ug/L			< 10.0								
Methapyrilene	2013-03	ug/L			< 10.4								
Methapyrilene	2013-09	ug/L											
Methapyrilene	2015-06	ug/L											
Methapyrilene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Methapyrilene	2015-10	ug/L				< 10.6							
Methapyrilene	2016-03	ug/L			< 10	< 10							
Methapyrilene	2016-06	ug/L											
Methapyrilene	2016-08	ug/L			< 11.1	< 11.5							
Methapyrilene	2018-11	ug/L											
Methapyrilene	2019-03	ug/L											
Methapyrilene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Methapyrilene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Methoxychlor	2008-08	ug/L	< 0.093	< 0.11									

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methoxychlor	2008-09	ug/L										< 0.016		< 0.016
Methoxychlor	2009-03	ug/L	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032
Methoxychlor	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320	< 0.0320				< 0.0320				
Methoxychlor	2015-06	ug/L						< 0.0348	**0.00593 J**					
Methoxychlor	2015-09	ug/L	**0.00665 J**	< 0.0356				< 0.036	< 0.0327	< 0.0356	< 0.0352			
Methoxychlor	2015-10	ug/L			< 0.0372	< 0.0364								
Methoxychlor	2016-03	ug/L												
Methoxychlor	2016-06	ug/L					< 0.0364							
Methoxychlor	2016-08	ug/L					< 0.0337							
Methoxychlor	2018-11	ug/L											< 0.036	
Methoxychlor	2019-03	ug/L											< 0.0372	
Methoxychlor	2020-08	ug/L	**0.00649 J**	< 0.039	< 0.0376	< 0.0376	< 0.0376	< 0.0376	< 0.039	< 0.0376	< 0.039			
Methoxychlor	2025-08	ug/L	< 0.0907	< 0.0895	< 0.0946	< 0.0879	< 0.0904	**0.732**	< 0.097	< 0.0897	< 0.0951			
Methoxychlor	2025-12	ug/L						< 0.0921						
Methyl Methacrylate	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Methacrylate	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Methacrylate	2009-07	ug/L	< 2	< 2	< 2	< 2		< 2	< 2.00	< 2.00	< 2			
Methyl Methacrylate	2009-09	ug/L	< 2.00	< 2	< 2.00	< 10.0		< 2	< 2	< 2	< 2			
Methyl Methacrylate	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 5.00
Methyl Methacrylate	2010-09	ug/L	< 20.0	< 20.0	< 20.0	< 20.0				< 20.0				
Methyl Methacrylate	2011-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00				< 2.00				
Methyl Methacrylate	2012-09	ug/L		< 2.00										
Methyl Methacrylate	2015-06	ug/L						< 2	< 2					
Methyl Methacrylate	2015-09	ug/L	< 2	< 2				< 2	< 2	< 2	< 2			
Methyl Methacrylate	2015-10	ug/L			< 2	< 2								
Methyl Methacrylate	2016-03	ug/L												
Methyl Methacrylate	2016-06	ug/L					< 2							
Methyl Methacrylate	2016-08	ug/L					< 2							
Methyl Methacrylate	2018-11	ug/L											< 2	
Methyl Methacrylate	2019-03	ug/L											< 2	
Methyl Methacrylate	2020-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			
Methyl Methacrylate	2025-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2			
Methyl Methanesulfonate	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methyl Methanesulfonate	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methyl Methanesulfonate	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Methyl Methanesulfonate	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Methyl Methanesulfonate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Methyl Methanesulfonate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Methyl Methanesulfonate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Methyl Methanesulfonate	2012-03	ug/L												
Methyl Methanesulfonate	2012-09	ug/L												
Methyl Methanesulfonate	2013-03	ug/L												
Methyl Methanesulfonate	2015-06	ug/L						< 10.5	< 11.1					
Methyl Methanesulfonate	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Methyl Methanesulfonate	2015-10	ug/L			< 10.3	< 10.5								
Methyl Methanesulfonate	2016-03	ug/L												
Methyl Methanesulfonate	2016-06	ug/L					< 11.4							
Methyl Methanesulfonate	2016-08	ug/L					< 11							
Methyl Methanesulfonate	2018-11	ug/L											< 11.6	
Methyl Methanesulfonate	2019-03	ug/L											< 12.2	
Methyl Methanesulfonate	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Methyl Methanesulfonate	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Methyl Parathion	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methyl Parathion	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methyl Parathion	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Methyl Parathion	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Methyl Parathion	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Methyl Parathion	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Methyl Parathion	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Methyl Parathion	2011-09	ug/L		**0.188 J**										
Methyl Parathion	2012-03	ug/L		< 10.0										
Methyl Parathion	2012-09	ug/L		< 10.0										
Methyl Parathion	2013-03	ug/L		< 10.2										
Methyl Parathion	2013-09	ug/L		< 11.0										
Methyl Parathion	2015-06	ug/L						< 10.5	< 11.1					
Methyl Parathion	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Methyl Parathion	2015-10	ug/L			< 10.3	< 10.5								
Methyl Parathion	2016-03	ug/L												
Methyl Parathion	2016-06	ug/L					< 11.4							
Methyl Parathion	2016-08	ug/L					< 11							
Methyl Parathion	2018-11	ug/L											< 11.6	
Methyl Parathion	2019-03	ug/L											< 12.2	
Methyl Parathion	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Methyl Parathion	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Methylene Chloride	2008-08	ug/L	< 5	< 10	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10
Methylene Chloride	2009-03	ug/L	< 5	< 5	**6.01**	< 5	< 5	< 5	**5.8**	< 5	**8.5**	< 5	< 5	< 5
Methylene Chloride	2009-07	ug/L	< 5	< 5	< 5	< 5		< 5	< 5.00	< 5.00	< 5			
Methylene Chloride	2009-09	ug/L	< 5.00	< 5	< 5.00	< 25.0		< 5	< 5	< 5	< 5			
Methylene Chloride	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Methylene Chloride	2010-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Methylene Chloride	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Methylene Chloride	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Methylene Chloride	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Methylene Chloride	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Methylene Chloride	2013-03	ug/L	< 5.00	< 5.00	< 5	< 5	< 5	< 5	< 5	< 5	< 5.00	< 5	< 5	< 5
Methylene Chloride	2013-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	**0.185 J**
Methylene Chloride	2013-11	ug/L												

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Methoxychlor	2008-09	ug/L			< 0.016								
Methoxychlor	2009-03	ug/L	< 0.032	< 0.032	< 0.032								
Methoxychlor	2010-09	ug/L	< 0.0320	< 0.0320	< 0.0320								
Methoxychlor	2015-06	ug/L											
Methoxychlor	2015-09	ug/L	< 0.0344	< 0.0352	< 0.0352								
Methoxychlor	2015-10	ug/L				**0.00633 J**							
Methoxychlor	2016-03	ug/L			< 0.034	< 0.0356							
Methoxychlor	2016-06	ug/L											
Methoxychlor	2016-08	ug/L			< 0.0356	< 0.0327							
Methoxychlor	2018-11	ug/L											
Methoxychlor	2019-03	ug/L											
Methoxychlor	2020-08	ug/L	< 0.0376	< 0.039	< 0.039	< 0.0376							
Methoxychlor	2025-08	ug/L	< 0.0956	< 0.0956	< 0.0897	< 0.0902							
Methoxychlor	2025-12	ug/L											
Methyl Methacrylate	2008-08	ug/L	< 2	< 2	< 2								
Methyl Methacrylate	2009-03	ug/L	< 2	< 2	< 2								
Methyl Methacrylate	2009-07	ug/L	< 2	< 2									
Methyl Methacrylate	2009-09	ug/L	< 2.00	< 2.00	< 2.00								
Methyl Methacrylate	2010-03	ug/L	< 2.00	< 2.00	< 2.00								
Methyl Methacrylate	2010-09	ug/L	< 20.0	< 20.0	< 20.0								
Methyl Methacrylate	2011-03	ug/L	< 2.00	< 2.00	< 2.00								
Methyl Methacrylate	2012-09	ug/L											
Methyl Methacrylate	2015-06	ug/L											
Methyl Methacrylate	2015-09	ug/L	< 2	< 2	< 2								
Methyl Methacrylate	2015-10	ug/L				< 2							
Methyl Methacrylate	2016-03	ug/L			< 2	< 2							
Methyl Methacrylate	2016-06	ug/L											
Methyl Methacrylate	2016-08	ug/L			< 2	< 2							
Methyl Methacrylate	2018-11	ug/L											
Methyl Methacrylate	2019-03	ug/L											
Methyl Methacrylate	2020-08	ug/L	< 2	< 2	< 2	< 2							
Methyl Methacrylate	2025-08	ug/L	< 2	< 2	< 2 J	< 2							
Methyl Methanesulfonate	2008-08	ug/L	< 10	< 10	< 10								
Methyl Methanesulfonate	2009-03	ug/L	< 10	< 10	< 10								
Methyl Methanesulfonate	2009-07	ug/L	< 10	< 10	< 10.0								
Methyl Methanesulfonate	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Methyl Methanesulfonate	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Methyl Methanesulfonate	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Methyl Methanesulfonate	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Methyl Methanesulfonate	2012-03	ug/L			< 10.0								
Methyl Methanesulfonate	2012-09	ug/L			< 10.0								
Methyl Methanesulfonate	2013-03	ug/L			< 10.4								
Methyl Methanesulfonate	2015-06	ug/L											
Methyl Methanesulfonate	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Methyl Methanesulfonate	2015-10	ug/L				< 10.6							
Methyl Methanesulfonate	2016-03	ug/L			< 10	< 10							
Methyl Methanesulfonate	2016-06	ug/L											
Methyl Methanesulfonate	2016-08	ug/L			< 11.1	< 11.5							
Methyl Methanesulfonate	2018-11	ug/L											
Methyl Methanesulfonate	2019-03	ug/L											
Methyl Methanesulfonate	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Methyl Methanesulfonate	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Methyl Parathion	2008-08	ug/L	< 10	< 10	< 10								
Methyl Parathion	2009-03	ug/L	< 10	< 10	< 10								
Methyl Parathion	2009-07	ug/L	< 10	< 10	< 10.0								
Methyl Parathion	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Methyl Parathion	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Methyl Parathion	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Methyl Parathion	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Methyl Parathion	2011-09	ug/L			< 10.0								
Methyl Parathion	2012-03	ug/L			< 10.0								
Methyl Parathion	2012-09	ug/L			< 10.0								
Methyl Parathion	2013-03	ug/L			< 10.4								
Methyl Parathion	2013-09	ug/L											
Methyl Parathion	2015-06	ug/L											
Methyl Parathion	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Methyl Parathion	2015-10	ug/L				< 10.6							
Methyl Parathion	2016-03	ug/L			< 10	< 10							
Methyl Parathion	2016-06	ug/L											
Methyl Parathion	2016-08	ug/L			< 11.1	< 11.5							
Methyl Parathion	2018-11	ug/L											
Methyl Parathion	2019-03	ug/L											
Methyl Parathion	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Methyl Parathion	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Methylene Chloride	2008-08	ug/L	< 5	< 5	< 10								
Methylene Chloride	2009-03	ug/L	< 5	**7.56**	< 5								
Methylene Chloride	2009-07	ug/L	< 5	< 5									
Methylene Chloride	2009-09	ug/L	< 5.00	< 5.00	< 5.00								
Methylene Chloride	2010-03	ug/L	< 5.00	< 5.00	< 5.00								
Methylene Chloride	2010-09	ug/L	< 5.00	< 5.00	< 5.00								
Methylene Chloride	2011-03	ug/L	< 5.00	< 5.00	< 5.00								
Methylene Chloride	2011-09	ug/L	< 5.00	< 5.00	< 5.00								
Methylene Chloride	2012-03	ug/L	< 5.00	< 5.00	< 5.00								
Methylene Chloride	2012-09	ug/L	< 5.00	< 5.00	< 5.00								
Methylene Chloride	2013-03	ug/L	< 5	< 5	< 5.00								
Methylene Chloride	2013-09	ug/L	< 5.00	< 5.00	< 5.00		< 5.00	**0.282 J**	< 5.00	< 5.00	< 5.00		
Methylene Chloride	2013-11	ug/L					< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene Chloride	2014-03	ug/L	< 5.00	< 5.00	< 5.00	**0.213 J**	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00 J	< 5.00	< 5.00 J	< 5.00 J
Methylene Chloride	2014-06	ug/L												
Methylene Chloride	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5 J	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2015-03	ug/L	< 5.00	< 5	< 5.00	< 5.00	< 5	< 5	< 5.00 J	< 5.00 J	< 5	< 5	< 5.00	< 5.00
Methylene Chloride	2015-06	ug/L						< 5 J	< 5 J					
Methylene Chloride	2015-09	ug/L	< 5 J	< 5 J			< 5	< 5	< 5	< 5	< 5 J	< 5		
Methylene Chloride	2015-10	ug/L			< 5 J	< 5 J							< 5	< 5
Methylene Chloride	2016-03	ug/L	< 5	< 5	< 5	< 5 J	< 5 J	< 5 J	< 5 J	< 5 J	< 5	< 5	< 5	< 5
Methylene Chloride	2016-06	ug/L					< 5							
Methylene Chloride	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2017-11	ug/L												
Methylene Chloride	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2018-06	ug/L												
Methylene Chloride	2018-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Methylene Chloride	2018-09	ug/L							< 5	< 5				
Methylene Chloride	2018-11	ug/L											< 5	
Methylene Chloride	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2019-04	ug/L												
Methylene Chloride	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2020-03	ug/L		< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	2020-04	ug/L	< 5		< 5									
Methylene Chloride	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Methylene Chloride	2021-03	ug/L				< 5								
Methylene Chloride	2021-08	ug/L	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Methylene Chloride	2022-03	ug/L				< 5								
Methylene Chloride	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Methylene Chloride	2023-03	ug/L				< 5								
Methylene Chloride	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Methylene Chloride	2024-03	ug/L				< 5								
Methylene Chloride	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Methylene Chloride	2025-03	ug/L				< 5								
Methylene Chloride	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
Naphthalene	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	2009-07	ug/L	< 5	< 5	< 5	< 5		< 5	< 5.00	< 5.00	< 5			
Naphthalene	2009-09	ug/L	< 5.00	< 5	< 5.00	< 25.0		< 5	< 5	< 5	< 5			
Naphthalene	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Naphthalene	2010-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00				< 5.00				
Naphthalene	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00				< 5.00				
Naphthalene	2012-09	ug/L		< 5.00										
Naphthalene	2015-06	ug/L						< 5	< 5					
Naphthalene	2015-09	ug/L	< 5	< 5				< 5	< 5	< 5	< 5			
Naphthalene	2015-10	ug/L			< 5	< 5								
Naphthalene	2016-03	ug/L												
Naphthalene	2016-06	ug/L					< 5							
Naphthalene	2016-08	ug/L					< 5							
Naphthalene	2018-11	ug/L											< 5	
Naphthalene	2019-03	ug/L											< 5	
Naphthalene	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			
Naphthalene	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			
Nickel	2008-08	mg/L	~~< 0.05~~	~~< 0.05~~	< 0.05	~~**0.105**~~	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	2009-03	mg/L	~~< 0.05~~	~~< 0.05~~	< 0.05	~~**0.131**~~	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	2009-07	mg/L	~~< 0.05~~	~~< 0.05~~	< 0.05	~~**0.092**~~		~~< 0.05~~	~~< 0.05~~	~~< 0.05~~	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	2009-09	mg/L	~~< 0.0500~~	~~< 0.05~~		~~**0.114**~~		~~< 0.05~~	~~< 0.05~~	~~< 0.05~~	< 0.05	< 0.05		
Nickel	2010-03	mg/L	~~< 0.0500~~	~~< 0.0500~~	< 0.0500	~~**0.149**~~	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Nickel	2010-09	mg/L	~~< 0.0500~~	~~< 0.0500~~	< 0.0500	~~**0.0789**~~	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Nickel	2011-03	mg/L	~~< 0.0500~~	~~< 0.0500~~	< 0.0500	~~**0.0615**~~	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Nickel	2011-09	mg/L	~~< 0.0500~~	~~< 0.0500~~	< 0.0500	~~**0.0547**~~	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Nickel	2012-03	mg/L	~~< 0.0500~~	~~< 0.0500~~	< 0.0500	~~**0.0649**~~	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Nickel	2012-09	mg/L	~~< 0.0500~~	~~< 0.0500~~	< 0.0500	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Nickel	2013-03	mg/L	~~**0.0192 J**~~	~~**0.0222 J**~~	< 0.05	~~**0.115**~~	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~	~~**0.04 J**~~	< 0.0500	< 0.05	< 0.05	< 0.05
Nickel	2013-09	mg/L	~~**0.0235 J**~~	~~< 0.0500 J~~	< 0.0500	~~**0.0241 J**~~	~~**0.00769 J**~~	~~**0.0125 J**~~	~~**0.0124 J**~~	~~**0.0232 J**~~	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Nickel	2013-11	mg/L												
Nickel	2014-03	mg/L	~~**0.0268 J**~~	~~**0.0293 J**~~	**0.00302 J**	~~**0.0253 J**~~	~~**0.00301 J**~~	~~**0.00909 J**~~	~~**0.00928 J**~~	~~**0.0397 J**~~	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Nickel	2014-06	mg/L												
Nickel	2014-09	mg/L	**0.0229**	**0.0112**	**0.00243 J**	**0.0369**	**0.00305 J**	**0.00832**	**0.0161**	**0.0291**	< 0.005	< 0.005	**0.000689 J**	< 0.005
Nickel	2015-03	mg/L	**0.0255**	**0.0285**	**0.00168 J**	**0.0577**	**0.00461 J**	**0.0119**	**0.00724**	**0.0268**	< 0.005	< 0.005	**0.00122 J**	< 0.00500
Nickel	2015-06	mg/L						**0.011**	**0.0075**					
Nickel	2015-09	mg/L	**0.027**	**0.0209**			**0.00688**	**0.0091**	**0.0074**	**0.0254**	< 0.005	< 0.005		
Nickel	2015-10	mg/L			**0.00394 J**	**0.0178**							**0.000672 J**	**0.00131 J**
Nickel	2016-03	mg/L	**0.0274**	**0.0294**	**0.00321 J**	**0.0156**	**0.00559**	**0.016**	**0.00738**	**0.0376**	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	2016-06	mg/L					**0.00626**							
Nickel	2016-08	mg/L	**0.0266**	**0.0201**	**0.00292 J**	**0.0186**	**0.00422 J**	**0.00815**	**0.00739**	**0.0247**	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	2017-03	mg/L	**0.0259**	**0.0175**	**0.00429 J**	**0.0156**	**0.00615**	**0.00946**	**0.00497 J**	**0.0405**	< 0.005	< 0.005	**0.00128 J**	< 0.005
Nickel	2017-08	mg/L	**0.0256**	**0.0182**	**0.00334 J**	**0.0152**	**0.00467 J**	**0.011**	**0.00732**	**0.0275**	< 0.005	< 0.005	**0.00128 J**	< 0.005
Nickel	2017-11	mg/L												
Nickel	2018-03	mg/L	**0.0276**	**0.029**	**0.00215 J**	**0.0158**	**0.00615**	**0.012**	**0.00884**	**0.0305**	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	2018-06	mg/L												
Nickel	2018-08	mg/L	**0.025**	**0.0208**	**0.0039 J**	**0.011**	**0.00754**	**0.0125**			< 0.005	< 0.005	**0.00133 J**	< 0.005
Nickel	2018-09	mg/L							**0.00907**	**0.0301**				
Nickel	2018-11	mg/L											**0.00123 J**	
Nickel	2019-03	mg/L	**0.0274**	**0.0169**	**0.00354 J**	**0.0255**	**0.00831**	**0.0119**	**0.0134**	**0.0447**	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	2019-04	mg/L												
Nickel	2019-08	mg/L	**0.029**	**0.0185**	**0.00404 J**	**0.0179**	**0.0066**	**0.0114**	**0.00942**	**0.0316**	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	2020-03	mg/L		**0.0283**		**0.0117**	< 0.02	**0.0102**	**0.0079 J**	**0.0435**	< 0.005	< 0.005	< 0.005	< 0.005

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Methylene Chloride	2014-03	ug/L	< 5.00 J	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
Methylene Chloride	2014-06	ug/L					< 5.00 J	< 5.00 J	< 5.00 J	< 5.00 J	< 5.00 J		
Methylene Chloride	2014-09	ug/L	< 5	< 5	< 5		**0.279 J**	< 5	< 5	< 5	< 5		
Methylene Chloride	2015-03	ug/L	< 5.00	< 5.00	< 5		< 5.00	< 5.00 J	< 5.00	< 5.00	< 5.00 J		
Methylene Chloride	2015-06	ug/L											
Methylene Chloride	2015-09	ug/L	< 5 J	< 5	< 5								
Methylene Chloride	2015-10	ug/L				< 5	< 5	< 5		< 5 J	< 5		
Methylene Chloride	2016-03	ug/L	< 5	< 5	< 5	< 5 J	< 5 J	< 5		< 5	< 5		
Methylene Chloride	2016-06	ug/L											
Methylene Chloride	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
Methylene Chloride	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
Methylene Chloride	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
Methylene Chloride	2017-11	ug/L										**0.197 J**	< 5
Methylene Chloride	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
Methylene Chloride	2018-06	ug/L										< 5	< 5
Methylene Chloride	2018-08	ug/L	< 5	< 5	< 5	< 5		< 5		< 5			
Methylene Chloride	2018-09	ug/L									< 5	< 5	< 5
Methylene Chloride	2018-11	ug/L										< 5	< 5
Methylene Chloride	2019-03	ug/L	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	
Methylene Chloride	2019-04	ug/L											< 5
Methylene Chloride	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
Methylene Chloride	2020-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
Methylene Chloride	2020-04	ug/L											
Methylene Chloride	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Methylene Chloride	2021-03	ug/L	< 5		< 5	< 5							< 5
Methylene Chloride	2021-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Methylene Chloride	2022-03	ug/L	< 5		< 5	< 5							< 5
Methylene Chloride	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Methylene Chloride	2023-03	ug/L	< 5		< 5	< 5							< 5
Methylene Chloride	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Methylene Chloride	2024-03	ug/L	< 5		< 5	< 5							< 5
Methylene Chloride	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
Methylene Chloride	2025-03	ug/L	< 5		< 5	< 5							< 5
Methylene Chloride	2025-08	ug/L	< 5	< 5	< 5 J	< 5	< 5			< 5	< 5	< 5	< 5
Naphthalene	2008-08	ug/L	< 5	< 5	< 5								
Naphthalene	2009-03	ug/L	< 5	< 5	< 5								
Naphthalene	2009-07	ug/L	< 5	< 5									
Naphthalene	2009-09	ug/L	< 5.00	< 5.00	< 5.00								
Naphthalene	2010-03	ug/L	< 5.00	< 5.00	< 5.00								
Naphthalene	2010-09	ug/L	< 5.00	< 5.00	< 5.00								
Naphthalene	2011-03	ug/L	< 5.00	< 5.00	< 5.00								
Naphthalene	2012-09	ug/L											
Naphthalene	2015-06	ug/L											
Naphthalene	2015-09	ug/L	< 5	< 5	< 5								
Naphthalene	2015-10	ug/L				< 5							
Naphthalene	2016-03	ug/L			< 5	< 5							
Naphthalene	2016-06	ug/L											
Naphthalene	2016-08	ug/L			< 5	< 5							
Naphthalene	2018-11	ug/L											
Naphthalene	2019-03	ug/L											
Naphthalene	2020-08	ug/L	< 5	< 5	< 5	< 5							
Naphthalene	2025-08	ug/L	< 5	< 5	< 5 J	< 5							
Nickel	2008-08	mg/L	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~								
Nickel	2009-03	mg/L	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~								
Nickel	2009-07	mg/L	~~< 0.05~~	~~< 0.05~~	~~< 0.05~~								
Nickel	2009-09	mg/L	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~								
Nickel	2010-03	mg/L	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~								
Nickel	2010-09	mg/L	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~								
Nickel	2011-03	mg/L	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~								
Nickel	2011-09	mg/L	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~								
Nickel	2012-03	mg/L	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~								
Nickel	2012-09	mg/L	~~< 0.0500~~	~~< 0.0500~~	~~< 0.0500~~								
Nickel	2013-03	mg/L	~~< 0.05~~	~~**0.00233 J**~~	~~< 0.0500~~								
Nickel	2013-09	mg/L	~~< 0.0500 J~~	~~< 0.0500 J~~	~~< 0.0500~~	~~< 0.0500~~	< 0.0500	< 0.0500	< 0.0500	**0.00225 J**	**0.00901 J**		
Nickel	2013-11	mg/L				**~~0.0128 J~~**	< 0.0500	< 0.0500	**0.00519 J**	**0.00978 J**	**0.0123 J**		
Nickel	2014-03	mg/L	**~~0.00519 J~~**	**~~0.00871 J~~**	~~< 0.0500 J~~	**~~0.00205 J~~**	< 0.0500 J	< 0.0500 J	< 0.0500	**0.0102 J**	< 0.0500 J		
Nickel	2014-06	mg/L				~~< 0.0500~~	< 0.0500	< 0.0500	< 0.0500	**0.00918 J**	**0.00805 J**		
Nickel	2014-09	mg/L	**0.00447 J**	**0.00653**	**0.00377 J**	**~~0.00377 J~~**	**0.00187 J**	< 0.005	**0.00194 J**	**0.0104**	**0.0116**		
Nickel	2015-03	mg/L	**0.00663**	**0.00703**	**0.000748 J**	**~~0.00114 J~~**	**0.00248 J**	**0.00356 J**	**0.00345 J**	**0.0111**	**0.0104**		
Nickel	2015-06	mg/L											
Nickel	2015-09	mg/L	**0.0078**	**0.00904**	< 0.005 J								
Nickel	2015-10	mg/L				**0.00328 J**	**0.00253 J**	**0.00248 J**		**0.0119**	**0.0108**		
Nickel	2016-03	mg/L	**0.00725**	**0.00632**	< 0.005	**0.00259 J**	**0.00207 J**	**0.00361 J**		**0.0114**	**0.00946**		
Nickel	2016-06	mg/L											
Nickel	2016-08	mg/L	**0.0068**	**0.00693**	< 0.005	**0.00276 J**	**0.00207 J**	**0.00316 J**		**0.0107**	**0.0104**		
Nickel	2017-03	mg/L	**0.00647**	**0.00693**	< 0.005	**0.00735**	**0.00246 J**	**0.00633**		**0.0123**	**0.0155**		
Nickel	2017-08	mg/L	**0.00736**	**0.00881**	< 0.005	**0.00304 J**	**0.00185 J**	**0.00378 J**		**0.0108**	**0.0174**		
Nickel	2017-11	mg/L										**0.00632**	**0.0468**
Nickel	2018-03	mg/L	**0.0076**	**0.00726**	< 0.005	**0.00308 J**	**0.00207 J**	< 0.005		**0.0105**	**0.0128**	**0.00578**	**0.0394**
Nickel	2018-06	mg/L										**0.00849**	**0.0463**
Nickel	2018-08	mg/L	**0.00684**	**0.0106**	< 0.005	**0.00199 J**		**0.00429 J**		**0.0109**			
Nickel	2018-09	mg/L									**0.0124**	**0.00918**	**0.041**
Nickel	2018-11	mg/L										**0.0104**	**0.0369**
Nickel	2019-03	mg/L	**0.00916**	**0.0086**	< 0.005	**0.00389 J**		**0.00422 J**	**0.00208 J**	**0.0115**	**0.0116**	**0.0105**	
Nickel	2019-04	mg/L											**0.0324**
Nickel	2019-08	mg/L	**0.00806**	**0.0107**	< 0.005	**0.00253 J**	**0.00241 J**	**0.00462 J**		**0.0139**	**0.0206**	**0.00955**	**0.0347**
Nickel	2020-03	mg/L	**0.00818**	**0.0111**	< 0.005	**0.00247 J**	< 0.005	**0.00358 J**		**0.0117**	**0.0138**	**0.00893**	**0.0387**

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Nickel	2020-04	mg/L	**0.0231**		**0.00302 J**									
Nickel	2020-08	mg/L	**0.0312**	**0.0177**	**0.00432 J**	**0.0129**	**0.00957**	**0.011**	**0.0109**	**0.036**	< 0.005			< 0.005
Nickel	2021-03	mg/L				**0.0114**								
Nickel	2021-08	mg/L	**0.027**	**0.0287**	**0.00429 J**	**0.0136**	**0.00901**	**0.00937**	**0.0105**	**0.0343**	< 0.005			< 0.005
Nickel	2022-03	mg/L				**0.024**								
Nickel	2022-08	mg/L	**0.0282**	**0.0159**	**0.0043 J**	**0.0134**	**0.0121**	**0.00815**	**0.0131**	**0.0301**	< 0.005			< 0.005
Nickel	2023-03	mg/L				**0.0156**								
Nickel	2023-08	mg/L	**0.0318**	**0.0217**	**0.00389 J**	**0.0171**	**0.0104**	**0.00671**	**0.015**	**0.0314**	< 0.005			< 0.005
Nickel	2024-03	mg/L				**0.0217**								
Nickel	2024-08	mg/L	**0.0286**	**0.0173**	**0.00441 J**	**0.0148**	**0.0136**	**0.00643**	**0.0144**	**0.0304**	< 0.005			< 0.005
Nickel	2025-03	mg/L				**0.0138**								
Nickel	2025-08	mg/L	**0.0289**	**0.0228**	**0.00516**	**0.0155**	**0.00934**	**0.00789**	**0.016**	**0.0357**	< 0.005			< 0.005
Nitrobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Nitrobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Nitrobenzene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Nitrobenzene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Nitrobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Nitrobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Nitrobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Nitrobenzene	2012-03	ug/L												
Nitrobenzene	2012-09	ug/L												
Nitrobenzene	2013-03	ug/L												
Nitrobenzene	2015-06	ug/L						< 10.5	< 11.1					
Nitrobenzene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Nitrobenzene	2015-10	ug/L			< 10.3	< 10.5								
Nitrobenzene	2016-03	ug/L												
Nitrobenzene	2016-06	ug/L					< 11.4							
Nitrobenzene	2016-08	ug/L					< 11							
Nitrobenzene	2018-11	ug/L											< 11.6	
Nitrobenzene	2019-03	ug/L											< 12.2	
Nitrobenzene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Nitrobenzene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
N-Nitrosodiethylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosodiethylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosodiethylamine	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
N-Nitrosodiethylamine	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
N-Nitrosodiethylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
N-Nitrosodiethylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
N-Nitrosodiethylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
N-Nitrosodiethylamine	2015-06	ug/L						< 10.5	< 11.1					
N-Nitrosodiethylamine	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
N-Nitrosodiethylamine	2015-10	ug/L			< 10.3	< 10.5								
N-Nitrosodiethylamine	2016-03	ug/L												
N-Nitrosodiethylamine	2016-06	ug/L					< 11.4							
N-Nitrosodiethylamine	2016-08	ug/L					< 11							
N-Nitrosodiethylamine	2018-11	ug/L											< 11.6	
N-Nitrosodiethylamine	2019-03	ug/L											< 12.2	
N-Nitrosodiethylamine	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
N-Nitrosodiethylamine	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
N-Nitrosodimethylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosodimethylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosodimethylamine	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
N-Nitrosodimethylamine	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
N-Nitrosodimethylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
N-Nitrosodimethylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
N-Nitrosodimethylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
N-Nitrosodimethylamine	2015-06	ug/L						< 10.5	< 11.1					
N-Nitrosodimethylamine	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
N-Nitrosodimethylamine	2015-10	ug/L			< 10.3	< 10.5								
N-Nitrosodimethylamine	2016-03	ug/L												
N-Nitrosodimethylamine	2016-06	ug/L					< 11.4							
N-Nitrosodimethylamine	2016-08	ug/L					< 11							
N-Nitrosodimethylamine	2018-11	ug/L											< 11.6	
N-Nitrosodimethylamine	2019-03	ug/L											< 12.2	
N-Nitrosodimethylamine	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
N-Nitrosodimethylamine	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
N-Nitrosodi-n-butylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosodi-n-butylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosodi-n-butylamine	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
N-Nitrosodi-n-butylamine	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
N-Nitrosodi-n-butylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
N-Nitrosodi-n-butylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
N-Nitrosodi-n-butylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
N-Nitrosodi-n-butylamine	2015-06	ug/L						< 10.5	< 11.1					
N-Nitrosodi-n-butylamine	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
N-Nitrosodi-n-butylamine	2015-10	ug/L			< 10.3	< 10.5								
N-Nitrosodi-n-butylamine	2016-03	ug/L												
N-Nitrosodi-n-butylamine	2016-06	ug/L					< 11.4							
N-Nitrosodi-n-butylamine	2016-08	ug/L					< 11							
N-Nitrosodi-n-butylamine	2018-11	ug/L											< 11.6	
N-Nitrosodi-n-butylamine	2019-03	ug/L											< 12.2	
N-Nitrosodi-n-butylamine	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
N-Nitrosodi-n-butylamine	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
N-Nitrosodi-n-propylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosodi-n-propylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosodi-n-propylamine	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
N-Nitrosodi-n-propylamine	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Nickel	2020-04	mg/L											
Nickel	2020-08	mg/L	**0.00797**	**0.00987**	< 0.005	**0.00242 J**	**0.00213 J**			**0.016**	**0.0147**	**0.00623**	**0.0374**
Nickel	2021-03	mg/L	**0.0075**		< 0.005	< 0.005							**0.037**
Nickel	2021-08	mg/L	**0.0052**	**0.00744**	< 0.005	**0.00266 J**	**0.0026 J**			**0.0148**	**0.0314**	**0.00782**	**0.0357**
Nickel	2022-03	mg/L	**0.00547**		< 0.005	**0.00276 J**							**0.0328**
Nickel	2022-08	mg/L	**0.00588**	**0.0076**	< 0.005	**0.00206 J**	**0.00235 J**			**0.00983**	**0.0158**	**0.00903**	**0.0384**
Nickel	2023-03	mg/L	**0.00555**		< 0.005	**0.00305 J**							**0.0366**
Nickel	2023-08	mg/L	**0.00841**	**0.00711**	< 0.005	**0.00268 J**	**0.0024 J**			**0.0108**	**0.0126**	**0.00619**	**0.0347**
Nickel	2024-03	mg/L	**0.00682**		< 0.005	**0.00244 J**							**0.0378**
Nickel	2024-08	mg/L	**0.00722**	**0.00749**	< 0.005	< 0.005	**0.00258 J**			**0.0131**	**0.0113**	**0.0069**	**0.032**
Nickel	2025-03	mg/L	**0.00696**		< 0.005	< 0.005							**0.0315**
Nickel	2025-08	mg/L	**0.00623**	**0.00856**	< 0.005	< 0.005	**0.00255 J**			**0.0135**	**0.00993**	**0.00754**	**0.0335**
Nitrobenzene	2008-08	ug/L	< 10	< 10	< 10								
Nitrobenzene	2009-03	ug/L	< 10	< 10	< 10								
Nitrobenzene	2009-07	ug/L	< 10	< 10	< 10.0								
Nitrobenzene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Nitrobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Nitrobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Nitrobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Nitrobenzene	2012-03	ug/L			< 10.0								
Nitrobenzene	2012-09	ug/L			< 10.0								
Nitrobenzene	2013-03	ug/L			< 10.4								
Nitrobenzene	2015-06	ug/L											
Nitrobenzene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Nitrobenzene	2015-10	ug/L				< 10.6							
Nitrobenzene	2016-03	ug/L			< 10	< 10							
Nitrobenzene	2016-06	ug/L											
Nitrobenzene	2016-08	ug/L			< 11.1	< 11.5							
Nitrobenzene	2018-11	ug/L											
Nitrobenzene	2019-03	ug/L											
Nitrobenzene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Nitrobenzene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
N-Nitrosodiethylamine	2008-08	ug/L	< 10	< 10	< 10								
N-Nitrosodiethylamine	2009-03	ug/L	< 10	< 10	< 10								
N-Nitrosodiethylamine	2009-07	ug/L	< 10	< 10	< 10.0								
N-Nitrosodiethylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodiethylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodiethylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodiethylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodiethylamine	2015-06	ug/L											
N-Nitrosodiethylamine	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
N-Nitrosodiethylamine	2015-10	ug/L				< 10.6							
N-Nitrosodiethylamine	2016-03	ug/L			< 10	< 10							
N-Nitrosodiethylamine	2016-06	ug/L											
N-Nitrosodiethylamine	2016-08	ug/L			< 11.1	< 11.5							
N-Nitrosodiethylamine	2018-11	ug/L											
N-Nitrosodiethylamine	2019-03	ug/L											
N-Nitrosodiethylamine	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
N-Nitrosodiethylamine	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
N-Nitrosodimethylamine	2008-08	ug/L	< 10	< 10	< 10								
N-Nitrosodimethylamine	2009-03	ug/L	< 10	< 10	< 10								
N-Nitrosodimethylamine	2009-07	ug/L	< 10	< 10	< 10.0								
N-Nitrosodimethylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodimethylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodimethylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodimethylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodimethylamine	2015-06	ug/L											
N-Nitrosodimethylamine	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
N-Nitrosodimethylamine	2015-10	ug/L				< 10.6							
N-Nitrosodimethylamine	2016-03	ug/L			< 10	< 10							
N-Nitrosodimethylamine	2016-06	ug/L											
N-Nitrosodimethylamine	2016-08	ug/L			< 11.1	< 11.5							
N-Nitrosodimethylamine	2018-11	ug/L											
N-Nitrosodimethylamine	2019-03	ug/L											
N-Nitrosodimethylamine	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
N-Nitrosodimethylamine	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
N-Nitrosodi-n-butylamine	2008-08	ug/L	< 10	< 10	< 10								
N-Nitrosodi-n-butylamine	2009-03	ug/L	< 10	< 10	< 10								
N-Nitrosodi-n-butylamine	2009-07	ug/L	< 10	< 10	< 10.0								
N-Nitrosodi-n-butylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodi-n-butylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodi-n-butylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodi-n-butylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodi-n-butylamine	2015-06	ug/L											
N-Nitrosodi-n-butylamine	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
N-Nitrosodi-n-butylamine	2015-10	ug/L				< 10.6							
N-Nitrosodi-n-butylamine	2016-03	ug/L			< 10	< 10							
N-Nitrosodi-n-butylamine	2016-06	ug/L											
N-Nitrosodi-n-butylamine	2016-08	ug/L			< 11.1	< 11.5							
N-Nitrosodi-n-butylamine	2018-11	ug/L											
N-Nitrosodi-n-butylamine	2019-03	ug/L											
N-Nitrosodi-n-butylamine	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
N-Nitrosodi-n-butylamine	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
N-Nitrosodi-n-propylamine	2008-08	ug/L	< 10	< 10	< 10								
N-Nitrosodi-n-propylamine	2009-03	ug/L	< 10	< 10	< 10								
N-Nitrosodi-n-propylamine	2009-07	ug/L	< 10	< 10	< 10.0								
N-Nitrosodi-n-propylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
N-Nitrosodi-n-propylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
N-Nitrosodi-n-propylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
N-Nitrosodi-n-propylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
N-Nitrosodi-n-propylamine	2012-03	ug/L												
N-Nitrosodi-n-propylamine	2012-09	ug/L												
N-Nitrosodi-n-propylamine	2013-03	ug/L												
N-Nitrosodi-n-propylamine	2015-06	ug/L						< 10.5	< 11.1					
N-Nitrosodi-n-propylamine	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
N-Nitrosodi-n-propylamine	2015-10	ug/L			< 10.3	< 10.5								
N-Nitrosodi-n-propylamine	2016-03	ug/L												
N-Nitrosodi-n-propylamine	2016-06	ug/L					< 11.4							
N-Nitrosodi-n-propylamine	2016-08	ug/L					< 11							
N-Nitrosodi-n-propylamine	2018-11	ug/L											< 11.6	
N-Nitrosodi-n-propylamine	2019-03	ug/L											< 12.2	
N-Nitrosodi-n-propylamine	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
N-Nitrosodi-n-propylamine	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
N-Nitrosodiphenylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosodiphenylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosodiphenylamine	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
N-Nitrosodiphenylamine	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
N-Nitrosodiphenylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
N-Nitrosodiphenylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
N-Nitrosodiphenylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
N-Nitrosodiphenylamine	2012-03	ug/L												
N-Nitrosodiphenylamine	2012-09	ug/L												
N-Nitrosodiphenylamine	2013-03	ug/L												
N-Nitrosodiphenylamine	2015-06	ug/L						< 10.5	< 11.1					
N-Nitrosodiphenylamine	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
N-Nitrosodiphenylamine	2015-10	ug/L			< 10.3	< 10.5								
N-Nitrosodiphenylamine	2016-03	ug/L												
N-Nitrosodiphenylamine	2016-06	ug/L					< 11.4							
N-Nitrosodiphenylamine	2016-08	ug/L					< 11							
N-Nitrosodiphenylamine	2018-11	ug/L											< 11.6	
N-Nitrosodiphenylamine	2019-03	ug/L											< 12.2	
N-Nitrosodiphenylamine	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
N-Nitrosodiphenylamine	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
N-Nitrosomethylethylamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosomethylethylamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosomethylethylamine	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
N-Nitrosomethylethylamine	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
N-Nitrosomethylethylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
N-Nitrosomethylethylamine	2010-09	ug/L	< 10.0	< 10.0	**0.204 J**	< 10.0				< 10.0				
N-Nitrosomethylethylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
N-Nitrosomethylethylamine	2011-09	ug/L			< 10.0									
N-Nitrosomethylethylamine	2012-03	ug/L			< 10.0									
N-Nitrosomethylethylamine	2012-09	ug/L			< 10.0									
N-Nitrosomethylethylamine	2013-03	ug/L			< 10.6									
N-Nitrosomethylethylamine	2013-09	ug/L			< 10.8									
N-Nitrosomethylethylamine	2015-06	ug/L						< 10.5	< 11.1					
N-Nitrosomethylethylamine	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
N-Nitrosomethylethylamine	2015-10	ug/L			< 10.3	< 10.5								
N-Nitrosomethylethylamine	2016-03	ug/L												
N-Nitrosomethylethylamine	2016-06	ug/L					< 11.4							
N-Nitrosomethylethylamine	2016-08	ug/L					< 11							
N-Nitrosomethylethylamine	2018-11	ug/L											< 11.6	
N-Nitrosomethylethylamine	2019-03	ug/L											< 12.2	
N-Nitrosomethylethylamine	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
N-Nitrosomethylethylamine	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
N-Nitrosopiperidine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosopiperidine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosopiperidine	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
N-Nitrosopiperidine	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
N-Nitrosopiperidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
N-Nitrosopiperidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
N-Nitrosopiperidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
N-Nitrosopiperidine	2015-06	ug/L						< 10.5	< 11.1					
N-Nitrosopiperidine	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
N-Nitrosopiperidine	2015-10	ug/L			< 10.3	< 10.5								
N-Nitrosopiperidine	2016-03	ug/L												
N-Nitrosopiperidine	2016-06	ug/L					< 11.4							
N-Nitrosopiperidine	2016-08	ug/L					< 11							
N-Nitrosopiperidine	2018-11	ug/L											< 11.6	
N-Nitrosopiperidine	2019-03	ug/L											< 12.2	
N-Nitrosopiperidine	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
N-Nitrosopiperidine	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
N-Nitrosopyrrolidine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosopyrrolidine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Nitrosopyrrolidine	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
N-Nitrosopyrrolidine	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
N-Nitrosopyrrolidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
N-Nitrosopyrrolidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
N-Nitrosopyrrolidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
N-Nitrosopyrrolidine	2015-06	ug/L						< 10.5	< 11.1					
N-Nitrosopyrrolidine	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
N-Nitrosopyrrolidine	2015-10	ug/L			< 10.3	< 10.5								
N-Nitrosopyrrolidine	2016-03	ug/L												
N-Nitrosopyrrolidine	2016-06	ug/L					< 11.4							

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
N-Nitrosodi-n-propylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodi-n-propylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodi-n-propylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodi-n-propylamine	2012-03	ug/L			< 10.0								
N-Nitrosodi-n-propylamine	2012-09	ug/L			< 10.0								
N-Nitrosodi-n-propylamine	2013-03	ug/L			< 10.4								
N-Nitrosodi-n-propylamine	2015-06	ug/L											
N-Nitrosodi-n-propylamine	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
N-Nitrosodi-n-propylamine	2015-10	ug/L				< 10.6							
N-Nitrosodi-n-propylamine	2016-03	ug/L			< 10	< 10							
N-Nitrosodi-n-propylamine	2016-06	ug/L											
N-Nitrosodi-n-propylamine	2016-08	ug/L			< 11.1	< 11.5							
N-Nitrosodi-n-propylamine	2018-11	ug/L											
N-Nitrosodi-n-propylamine	2019-03	ug/L											
N-Nitrosodi-n-propylamine	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
N-Nitrosodi-n-propylamine	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
N-Nitrosodiphenylamine	2008-08	ug/L	< 10	< 10	< 10								
N-Nitrosodiphenylamine	2009-03	ug/L	< 10	< 10	< 10								
N-Nitrosodiphenylamine	2009-07	ug/L	< 10	< 10	< 10.0								
N-Nitrosodiphenylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodiphenylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodiphenylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodiphenylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosodiphenylamine	2012-03	ug/L			< 10.0								
N-Nitrosodiphenylamine	2012-09	ug/L			< 10.0								
N-Nitrosodiphenylamine	2013-03	ug/L			< 10.4								
N-Nitrosodiphenylamine	2015-06	ug/L											
N-Nitrosodiphenylamine	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
N-Nitrosodiphenylamine	2015-10	ug/L				< 10.6							
N-Nitrosodiphenylamine	2016-03	ug/L			< 10	< 10							
N-Nitrosodiphenylamine	2016-06	ug/L											
N-Nitrosodiphenylamine	2016-08	ug/L			< 11.1	< 11.5							
N-Nitrosodiphenylamine	2018-11	ug/L											
N-Nitrosodiphenylamine	2019-03	ug/L											
N-Nitrosodiphenylamine	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
N-Nitrosodiphenylamine	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
N-Nitrosomethylethylamine	2008-08	ug/L	< 10	< 10	< 10								
N-Nitrosomethylethylamine	2009-03	ug/L	< 10	< 10	< 10								
N-Nitrosomethylethylamine	2009-07	ug/L	< 10	< 10	< 10.0								
N-Nitrosomethylethylamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosomethylethylamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosomethylethylamine	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosomethylethylamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosomethylethylamine	2011-09	ug/L			< 10.0								
N-Nitrosomethylethylamine	2012-03	ug/L			< 10.0								
N-Nitrosomethylethylamine	2012-09	ug/L			< 10.0								
N-Nitrosomethylethylamine	2013-03	ug/L			< 10.4								
N-Nitrosomethylethylamine	2013-09	ug/L											
N-Nitrosomethylethylamine	2015-06	ug/L											
N-Nitrosomethylethylamine	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
N-Nitrosomethylethylamine	2015-10	ug/L				< 10.6							
N-Nitrosomethylethylamine	2016-03	ug/L			< 10	< 10							
N-Nitrosomethylethylamine	2016-06	ug/L											
N-Nitrosomethylethylamine	2016-08	ug/L			< 11.1	< 11.5							
N-Nitrosomethylethylamine	2018-11	ug/L											
N-Nitrosomethylethylamine	2019-03	ug/L											
N-Nitrosomethylethylamine	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
N-Nitrosomethylethylamine	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
N-Nitrosopiperidine	2008-08	ug/L	< 10	< 10	< 10								
N-Nitrosopiperidine	2009-03	ug/L	< 10	< 10	< 10								
N-Nitrosopiperidine	2009-07	ug/L	< 10	< 10	< 10.0								
N-Nitrosopiperidine	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosopiperidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosopiperidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosopiperidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosopiperidine	2015-06	ug/L											
N-Nitrosopiperidine	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
N-Nitrosopiperidine	2015-10	ug/L				< 10.6							
N-Nitrosopiperidine	2016-03	ug/L			< 10	< 10							
N-Nitrosopiperidine	2016-06	ug/L											
N-Nitrosopiperidine	2016-08	ug/L			< 11.1	< 11.5							
N-Nitrosopiperidine	2018-11	ug/L											
N-Nitrosopiperidine	2019-03	ug/L											
N-Nitrosopiperidine	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
N-Nitrosopiperidine	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
N-Nitrosopyrrolidine	2008-08	ug/L	< 10	< 10	< 10								
N-Nitrosopyrrolidine	2009-03	ug/L	< 10	< 10	< 10								
N-Nitrosopyrrolidine	2009-07	ug/L	< 10	< 10	< 10.0								
N-Nitrosopyrrolidine	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosopyrrolidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosopyrrolidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosopyrrolidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
N-Nitrosopyrrolidine	2015-06	ug/L											
N-Nitrosopyrrolidine	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
N-Nitrosopyrrolidine	2015-10	ug/L				< 10.6							
N-Nitrosopyrrolidine	2016-03	ug/L			< 10	< 10							
N-Nitrosopyrrolidine	2016-06	ug/L											

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
N-Nitrosopyrrolidine	2016-08	ug/L					< 11							
N-Nitrosopyrrolidine	2018-11	ug/L											< 11.6	
N-Nitrosopyrrolidine	2019-03	ug/L											< 12.2	
N-Nitrosopyrrolidine	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
N-Nitrosopyrrolidine	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
o,o,o-Triethylphosphorothioate	2008-08	ug/L	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
o,o,o-Triethylphosphorothioate	2009-03	ug/L	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
o,o,o-Triethylphosphorothioate	2009-07	ug/L	< 30	< 30	< 30	< 30	< 30	< 30	< 30.0	< 30.0	< 30	< 30	< 30	< 30.0
o,o,o-Triethylphosphorothioate	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
o,o,o-Triethylphosphorothioate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
o,o,o-Triethylphosphorothioate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
o,o,o-Triethylphosphorothioate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
o,o,o-Triethylphosphorothioate	2015-06	ug/L						< 10.5	< 11.1					
o,o,o-Triethylphosphorothioate	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
o,o,o-Triethylphosphorothioate	2015-10	ug/L			< 10.3	< 10.5								
o,o,o-Triethylphosphorothioate	2016-03	ug/L												
o,o,o-Triethylphosphorothioate	2016-06	ug/L					< 11.4							
o,o,o-Triethylphosphorothioate	2016-08	ug/L					< 11							
o,o,o-Triethylphosphorothioate	2018-11	ug/L											< 11.6	
o,o,o-Triethylphosphorothioate	2019-03	ug/L											< 12.2	
o,o,o-Triethylphosphorothioate	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
o,o,o-Triethylphosphorothioate	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
o-Toluidine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
o-Toluidine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
o-Toluidine	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
o-Toluidine	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
o-Toluidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
o-Toluidine	2010-09	ug/L	< 10.0	**0.185 J**	< 10.0	< 10.0				< 10.0				
o-Toluidine	2011-03	ug/L	< 10.0	**0.204 J**	< 10.0	< 10.0				< 10.0				
o-Toluidine	2011-09	ug/L		**0.187 J**										
o-Toluidine	2012-03	ug/L		**0.222 J**										
o-Toluidine	2012-09	ug/L		< 10.0										
o-Toluidine	2013-03	ug/L		**0.369 J**										
o-Toluidine	2013-09	ug/L		< 11.0										
o-Toluidine	2015-06	ug/L						< 10.5	< 11.1					
o-Toluidine	2015-09	ug/L	< 11.1	**0.234 J**				< 11.1	< 10.2	< 11.2	< 11.1			
o-Toluidine	2015-10	ug/L			< 10.3	< 10.5								
o-Toluidine	2016-03	ug/L												
o-Toluidine	2016-06	ug/L					< 11.4							
o-Toluidine	2016-08	ug/L					< 11							
o-Toluidine	2018-11	ug/L											< 11.6	
o-Toluidine	2019-03	ug/L											< 12.2	
o-Toluidine	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
o-Toluidine	2025-08	ug/L	< 10.4	**12.5**	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
o-Toluidine	2025-12	ug/L		< 10										
p-(Dimethylamino)azobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
p-(Dimethylamino)azobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
p-(Dimethylamino)azobenzene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
p-(Dimethylamino)azobenzene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
p-(Dimethylamino)azobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
p-(Dimethylamino)azobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
p-(Dimethylamino)azobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
p-(Dimethylamino)azobenzene	2015-06	ug/L						< 10.5	< 11.1					
p-(Dimethylamino)azobenzene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
p-(Dimethylamino)azobenzene	2015-10	ug/L			< 10.3	< 10.5								
p-(Dimethylamino)azobenzene	2016-03	ug/L												
p-(Dimethylamino)azobenzene	2016-06	ug/L					< 11.4							
p-(Dimethylamino)azobenzene	2016-08	ug/L					< 11							
p-(Dimethylamino)azobenzene	2018-11	ug/L											< 11.6	
p-(Dimethylamino)azobenzene	2019-03	ug/L											< 12.2	
p-(Dimethylamino)azobenzene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
p-(Dimethylamino)azobenzene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Parathion	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Parathion	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Parathion	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Parathion	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Parathion	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Parathion	2010-09	ug/L	< 10.0	**0.182 J**	< 10.0	< 10.0				< 10.0				
Parathion	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Parathion	2011-09	ug/L		< 10.0										
Parathion	2012-03	ug/L		< 10.0										
Parathion	2012-09	ug/L		< 10.0										
Parathion	2013-03	ug/L		< 10.2										
Parathion	2013-09	ug/L		< 11.0										
Parathion	2015-06	ug/L						< 10.5	< 11.1					
Parathion	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Parathion	2015-10	ug/L			< 10.3	< 10.5								
Parathion	2016-03	ug/L												
Parathion	2016-06	ug/L					< 11.4							
Parathion	2016-08	ug/L					< 11							
Parathion	2018-11	ug/L											< 11.6	
Parathion	2019-03	ug/L											< 12.2	
Parathion	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Parathion	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
PCBs - Aroclor 1016	2008-08	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1016	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1016	2010-09	ug/L	< 0.800	< 0.800	< 0.800	< 0.800 UJ				< 0.800				

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
N-Nitrosopyrrolidine	2016-08	ug/L			< 11.1	< 11.5							
N-Nitrosopyrrolidine	2018-11	ug/L											
N-Nitrosopyrrolidine	2019-03	ug/L											
N-Nitrosopyrrolidine	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
N-Nitrosopyrrolidine	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
o,o,o-Triethylphosphorothioate	2008-08	ug/L	< 30	< 30	< 30								
o,o,o-Triethylphosphorothioate	2009-03	ug/L	< 30	< 30	< 30								
o,o,o-Triethylphosphorothioate	2009-07	ug/L	< 30	< 30	< 30.0								
o,o,o-Triethylphosphorothioate	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
o,o,o-Triethylphosphorothioate	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
o,o,o-Triethylphosphorothioate	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
o,o,o-Triethylphosphorothioate	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
o,o,o-Triethylphosphorothioate	2015-06	ug/L											
o,o,o-Triethylphosphorothioate	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
o,o,o-Triethylphosphorothioate	2015-10	ug/L				< 10.6							
o,o,o-Triethylphosphorothioate	2016-03	ug/L			< 10	< 10							
o,o,o-Triethylphosphorothioate	2016-06	ug/L											
o,o,o-Triethylphosphorothioate	2016-08	ug/L			< 11.1	< 11.5							
o,o,o-Triethylphosphorothioate	2018-11	ug/L											
o,o,o-Triethylphosphorothioate	2019-03	ug/L											
o,o,o-Triethylphosphorothioate	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
o,o,o-Triethylphosphorothioate	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
o-Toluidine	2008-08	ug/L	< 10	< 10	< 10								
o-Toluidine	2009-03	ug/L	< 10	< 10	< 10								
o-Toluidine	2009-07	ug/L	< 10	< 10	< 10.0								
o-Toluidine	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
o-Toluidine	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
o-Toluidine	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
o-Toluidine	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
o-Toluidine	2011-09	ug/L			< 10.0								
o-Toluidine	2012-03	ug/L			< 10.0								
o-Toluidine	2012-09	ug/L	< 10.0		< 10.0								
o-Toluidine	2013-03	ug/L			< 10.4								
o-Toluidine	2013-09	ug/L											
o-Toluidine	2015-06	ug/L											
o-Toluidine	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
o-Toluidine	2015-10	ug/L				< 10.6							
o-Toluidine	2016-03	ug/L			< 10	< 10							
o-Toluidine	2016-06	ug/L											
o-Toluidine	2016-08	ug/L			< 11.1	< 11.5							
o-Toluidine	2018-11	ug/L											
o-Toluidine	2019-03	ug/L											
o-Toluidine	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
o-Toluidine	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
o-Toluidine	2025-12	ug/L											
p-(Dimethylamino)azobenzene	2008-08	ug/L	< 10	< 10	< 10								
p-(Dimethylamino)azobenzene	2009-03	ug/L	< 10	< 10	< 10								
p-(Dimethylamino)azobenzene	2009-07	ug/L	< 10	< 10	< 10.0								
p-(Dimethylamino)azobenzene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
p-(Dimethylamino)azobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
p-(Dimethylamino)azobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
p-(Dimethylamino)azobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
p-(Dimethylamino)azobenzene	2015-06	ug/L											
p-(Dimethylamino)azobenzene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
p-(Dimethylamino)azobenzene	2015-10	ug/L				< 10.6							
p-(Dimethylamino)azobenzene	2016-03	ug/L			< 10	< 10							
p-(Dimethylamino)azobenzene	2016-06	ug/L											
p-(Dimethylamino)azobenzene	2016-08	ug/L			< 11.1	< 11.5							
p-(Dimethylamino)azobenzene	2018-11	ug/L											
p-(Dimethylamino)azobenzene	2019-03	ug/L											
p-(Dimethylamino)azobenzene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
p-(Dimethylamino)azobenzene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Parathion	2008-08	ug/L	< 10	< 10	< 10								
Parathion	2009-03	ug/L	< 10	< 10	< 10								
Parathion	2009-07	ug/L	< 10	< 10	< 10.0								
Parathion	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Parathion	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Parathion	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Parathion	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Parathion	2011-09	ug/L			< 10.0								
Parathion	2012-03	ug/L			< 10.0								
Parathion	2012-09	ug/L			< 10.0								
Parathion	2013-03	ug/L			< 10.4								
Parathion	2013-09	ug/L											
Parathion	2015-06	ug/L											
Parathion	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Parathion	2015-10	ug/L				< 10.6							
Parathion	2016-03	ug/L			< 10	< 10							
Parathion	2016-06	ug/L											
Parathion	2016-08	ug/L			< 11.1	< 11.5							
Parathion	2018-11	ug/L											
Parathion	2019-03	ug/L											
Parathion	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Parathion	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
PCBs - Aroclor 1016	2008-08	ug/L	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1016	2009-03	ug/L	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1016	2010-09	ug/L	< 0.800	< 0.800	< 0.800								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
PCBs - Aroclor 1016	2015-06	ug/L						< 0.889	< 0.8					
PCBs - Aroclor 1016	2015-09	ug/L	< 0.879	< 0.808				< 0.808	< 0.889	< 0.889	< 0.879			
PCBs - Aroclor 1016	2015-10	ug/L			< 0.93	< 0.889								
PCBs - Aroclor 1016	2016-03	ug/L												
PCBs - Aroclor 1016	2016-06	ug/L					< 0.86							
PCBs - Aroclor 1016	2016-08	ug/L					< 0.842							
PCBs - Aroclor 1016	2018-11	ug/L											< 0.92	
PCBs - Aroclor 1016	2019-03	ug/L											< 0.941	
PCBs - Aroclor 1016	2020-08	ug/L	< 0.941	< 0.976	< 0.941	< 0.941	< 0.941	< 0.941	< 0.976	< 0.941	< 0.976			
PCBs - Aroclor 1016	2025-08	ug/L	< 1.81	< 1.79	< 1.89	< 1.76	< 1.81	< 1.88	< 1.94	< 1.79	< 1.8			
PCBs - Aroclor 1221	2008-08	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1221	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1221	2010-09	ug/L	< 0.800	< 0.800	< 0.800	< 0.800 UJ				< 0.800				
PCBs - Aroclor 1221	2015-06	ug/L						< 0.889	< 0.8					
PCBs - Aroclor 1221	2015-09	ug/L	< 0.879	< 0.808				< 0.808	< 0.889	< 0.889	< 0.879			
PCBs - Aroclor 1221	2015-10	ug/L			< 0.93	< 0.889								
PCBs - Aroclor 1221	2016-03	ug/L												
PCBs - Aroclor 1221	2016-06	ug/L					< 0.86							
PCBs - Aroclor 1221	2016-08	ug/L					< 0.842							
PCBs - Aroclor 1221	2018-11	ug/L											< 0.92	
PCBs - Aroclor 1221	2019-03	ug/L											< 0.941	
PCBs - Aroclor 1221	2020-08	ug/L	< 0.941	< 0.976	< 0.941	< 0.941	< 0.941	< 0.941	< 0.976	< 0.941	< 0.976			
PCBs - Aroclor 1221	2025-08	ug/L	< 1.81	< 1.79	< 1.89	< 1.76	< 1.81	< 1.88	< 1.94	< 1.79	< 1.8			
PCBs - Aroclor 1232	2008-08	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1232	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1232	2010-09	ug/L	< 0.800	< 0.800	< 0.800	< 0.800 UJ				< 0.800				
PCBs - Aroclor 1232	2015-06	ug/L						< 0.889	< 0.8					
PCBs - Aroclor 1232	2015-09	ug/L	< 0.879	< 0.808				< 0.808	< 0.889	< 0.889	< 0.879			
PCBs - Aroclor 1232	2015-10	ug/L			< 0.93	< 0.889								
PCBs - Aroclor 1232	2016-03	ug/L												
PCBs - Aroclor 1232	2016-06	ug/L					< 0.86							
PCBs - Aroclor 1232	2016-08	ug/L					< 0.842							
PCBs - Aroclor 1232	2018-11	ug/L											< 0.92	
PCBs - Aroclor 1232	2019-03	ug/L											< 0.941	
PCBs - Aroclor 1232	2020-08	ug/L	< 0.941	< 0.976	< 0.941	< 0.941	< 0.941	< 0.941	< 0.976	< 0.941	< 0.976			
PCBs - Aroclor 1232	2025-08	ug/L	< 1.81	< 1.79	< 1.89	< 1.76	< 1.81	< 1.88	< 1.94	< 1.79	< 1.8			
PCBs - Aroclor 1242	2008-08	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1242	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1242	2010-09	ug/L	< 0.800	< 0.800	< 0.800	< 0.800 UJ				< 0.800				
PCBs - Aroclor 1242	2015-06	ug/L						< 0.889	< 0.8					
PCBs - Aroclor 1242	2015-09	ug/L	< 0.879	< 0.808				< 0.808	< 0.889	< 0.889	< 0.879			
PCBs - Aroclor 1242	2015-10	ug/L			< 0.93	< 0.889								
PCBs - Aroclor 1242	2016-03	ug/L												
PCBs - Aroclor 1242	2016-06	ug/L					< 0.86							
PCBs - Aroclor 1242	2016-08	ug/L					< 0.842							
PCBs - Aroclor 1242	2018-11	ug/L											< 0.92	
PCBs - Aroclor 1242	2019-03	ug/L											< 0.941	
PCBs - Aroclor 1242	2020-08	ug/L	< 0.941	< 0.976	< 0.941	< 0.941	< 0.941	< 0.941	< 0.976	< 0.941	< 0.976			
PCBs - Aroclor 1242	2025-08	ug/L	< 1.81	< 1.79	< 1.89	< 1.76	< 1.81	< 1.88	< 1.94	< 1.79	< 1.8			
PCBs - Aroclor 1248	2008-08	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1248	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1248	2010-09	ug/L	< 0.800	< 0.800	< 0.800	< 0.800 UJ				< 0.800				
PCBs - Aroclor 1248	2015-06	ug/L						< 0.889	< 0.8					
PCBs - Aroclor 1248	2015-09	ug/L	< 0.879	< 0.808				< 0.808	< 0.889	< 0.889	< 0.879			
PCBs - Aroclor 1248	2015-10	ug/L			< 0.93	< 0.889								
PCBs - Aroclor 1248	2016-03	ug/L												
PCBs - Aroclor 1248	2016-06	ug/L					< 0.86							
PCBs - Aroclor 1248	2016-08	ug/L					< 0.842							
PCBs - Aroclor 1248	2018-11	ug/L											< 0.92	
PCBs - Aroclor 1248	2019-03	ug/L											< 0.941	
PCBs - Aroclor 1248	2020-08	ug/L	< 0.941	< 0.976	< 0.941	< 0.941	< 0.941	< 0.941	< 0.976	< 0.941	< 0.976			
PCBs - Aroclor 1248	2025-08	ug/L	< 1.81	< 1.79	< 1.89	< 1.76	< 1.81	< 1.88	< 1.94	< 1.79	< 1.8			
PCBs - Aroclor 1254	2008-08	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1254	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1254	2010-09	ug/L	< 0.800	< 0.800	< 0.800	< 0.800 UJ				< 0.800				
PCBs - Aroclor 1254	2015-06	ug/L						< 0.889	< 0.8					
PCBs - Aroclor 1254	2015-09	ug/L	< 0.879	< 0.808				< 0.808	< 0.889	< 0.889	< 0.879			
PCBs - Aroclor 1254	2015-10	ug/L			< 0.93	< 0.889								
PCBs - Aroclor 1254	2016-03	ug/L												
PCBs - Aroclor 1254	2016-06	ug/L					< 0.86							
PCBs - Aroclor 1254	2016-08	ug/L					< 0.842							
PCBs - Aroclor 1254	2018-11	ug/L											< 0.92	
PCBs - Aroclor 1254	2019-03	ug/L											< 0.941	
PCBs - Aroclor 1254	2020-08	ug/L	< 0.941	< 0.976	< 0.941	< 0.941	< 0.941	< 0.941	< 0.976	< 0.941	< 0.976			
PCBs - Aroclor 1254	2025-08	ug/L	< 1.81	< 1.79	< 1.89	< 1.76	< 1.81	< 1.88	< 1.94	< 1.79	< 1.8			
PCBs - Aroclor 1260	2008-08	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1260	2009-03	ug/L	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PCBs - Aroclor 1260	2010-09	ug/L	< 0.800	< 0.800	< 0.800	< 0.800 UJ				< 0.800				
PCBs - Aroclor 1260	2015-06	ug/L						< 0.889	< 0.8					
PCBs - Aroclor 1260	2015-09	ug/L	< 0.879	< 0.808				< 0.808	< 0.889	< 0.889	< 0.879			
PCBs - Aroclor 1260	2015-10	ug/L			< 0.93	< 0.889								
PCBs - Aroclor 1260	2016-03	ug/L												
PCBs - Aroclor 1260	2016-06	ug/L					< 0.86							
PCBs - Aroclor 1260	2016-08	ug/L					< 0.842							
PCBs - Aroclor 1260	2018-11	ug/L											< 0.92	
PCBs - Aroclor 1260	2019-03	ug/L											< 0.941	
PCBs - Aroclor 1260	2020-08	ug/L	< 0.941	< 0.976	< 0.941	< 0.941	< 0.941	< 0.941	< 0.976	< 0.941	< 0.976			

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
PCBs - Aroclor 1016	2015-06	ug/L											
PCBs - Aroclor 1016	2015-09	ug/L	< 0.842	< 0.889	< 0.87								
PCBs - Aroclor 1016	2015-10	ug/L				< 0.909							
PCBs - Aroclor 1016	2016-03	ug/L			< 0.87	< 0.909							
PCBs - Aroclor 1016	2016-06	ug/L											
PCBs - Aroclor 1016	2016-08	ug/L			< 0.899	< 0.899							
PCBs - Aroclor 1016	2018-11	ug/L											
PCBs - Aroclor 1016	2019-03	ug/L											
PCBs - Aroclor 1016	2020-08	ug/L	< 0.941	< 0.976	< 0.976	< 0.941							
PCBs - Aroclor 1016	2025-08	ug/L	< 1.91	< 1.78	< 1.79	< 1.8							
PCBs - Aroclor 1221	2008-08	ug/L	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1221	2009-03	ug/L	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1221	2010-09	ug/L	< 0.800	< 0.800	< 0.800								
PCBs - Aroclor 1221	2015-06	ug/L											
PCBs - Aroclor 1221	2015-09	ug/L	< 0.842	< 0.889	< 0.87								
PCBs - Aroclor 1221	2015-10	ug/L				< 0.909							
PCBs - Aroclor 1221	2016-03	ug/L			< 0.87	< 0.909							
PCBs - Aroclor 1221	2016-06	ug/L											
PCBs - Aroclor 1221	2016-08	ug/L			< 0.899	< 0.899							
PCBs - Aroclor 1221	2018-11	ug/L											
PCBs - Aroclor 1221	2019-03	ug/L											
PCBs - Aroclor 1221	2020-08	ug/L	< 0.941	< 0.976	< 0.976	< 0.941							
PCBs - Aroclor 1221	2025-08	ug/L	< 1.91	< 1.78	< 1.79	< 1.8							
PCBs - Aroclor 1232	2008-08	ug/L	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1232	2009-03	ug/L	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1232	2010-09	ug/L	< 0.800	< 0.800	< 0.800								
PCBs - Aroclor 1232	2015-06	ug/L											
PCBs - Aroclor 1232	2015-09	ug/L	< 0.842	< 0.889	< 0.87								
PCBs - Aroclor 1232	2015-10	ug/L				< 0.909							
PCBs - Aroclor 1232	2016-03	ug/L			< 0.87	< 0.909							
PCBs - Aroclor 1232	2016-06	ug/L											
PCBs - Aroclor 1232	2016-08	ug/L			< 0.899	< 0.899							
PCBs - Aroclor 1232	2018-11	ug/L											
PCBs - Aroclor 1232	2019-03	ug/L											
PCBs - Aroclor 1232	2020-08	ug/L	< 0.941	< 0.976	< 0.976	< 0.941							
PCBs - Aroclor 1232	2025-08	ug/L	< 1.91	< 1.78	< 1.79	< 1.8							
PCBs - Aroclor 1242	2008-08	ug/L	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1242	2009-03	ug/L	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1242	2010-09	ug/L	< 0.800	< 0.800	< 0.800								
PCBs - Aroclor 1242	2015-06	ug/L											
PCBs - Aroclor 1242	2015-09	ug/L	< 0.842	< 0.889	< 0.87								
PCBs - Aroclor 1242	2015-10	ug/L				< 0.909							
PCBs - Aroclor 1242	2016-03	ug/L			< 0.87	< 0.909							
PCBs - Aroclor 1242	2016-06	ug/L											
PCBs - Aroclor 1242	2016-08	ug/L			< 0.899	< 0.899							
PCBs - Aroclor 1242	2018-11	ug/L											
PCBs - Aroclor 1242	2019-03	ug/L											
PCBs - Aroclor 1242	2020-08	ug/L	< 0.941	< 0.976	< 0.976	< 0.941							
PCBs - Aroclor 1242	2025-08	ug/L	< 1.91	< 1.78	< 1.79	< 1.8							
PCBs - Aroclor 1248	2008-08	ug/L	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1248	2009-03	ug/L	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1248	2010-09	ug/L	< 0.800	< 0.800	< 0.800								
PCBs - Aroclor 1248	2015-06	ug/L											
PCBs - Aroclor 1248	2015-09	ug/L	< 0.842	< 0.889	< 0.87								
PCBs - Aroclor 1248	2015-10	ug/L				< 0.909							
PCBs - Aroclor 1248	2016-03	ug/L			< 0.87	< 0.909							
PCBs - Aroclor 1248	2016-06	ug/L											
PCBs - Aroclor 1248	2016-08	ug/L			< 0.899	< 0.899							
PCBs - Aroclor 1248	2018-11	ug/L											
PCBs - Aroclor 1248	2019-03	ug/L											
PCBs - Aroclor 1248	2020-08	ug/L	< 0.941	< 0.976	< 0.976	< 0.941							
PCBs - Aroclor 1248	2025-08	ug/L	< 1.91	< 1.78	< 1.79	< 1.8							
PCBs - Aroclor 1254	2008-08	ug/L	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1254	2009-03	ug/L	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1254	2010-09	ug/L	< 0.800	< 0.800	< 0.800								
PCBs - Aroclor 1254	2015-06	ug/L											
PCBs - Aroclor 1254	2015-09	ug/L	< 0.842	< 0.889	< 0.87								
PCBs - Aroclor 1254	2015-10	ug/L				< 0.909							
PCBs - Aroclor 1254	2016-03	ug/L			< 0.87	< 0.909							
PCBs - Aroclor 1254	2016-06	ug/L											
PCBs - Aroclor 1254	2016-08	ug/L			< 0.899	< 0.899							
PCBs - Aroclor 1254	2018-11	ug/L											
PCBs - Aroclor 1254	2019-03	ug/L											
PCBs - Aroclor 1254	2020-08	ug/L	< 0.941	< 0.976	< 0.976	< 0.941							
PCBs - Aroclor 1254	2025-08	ug/L	< 1.91	< 1.78	< 1.79	< 1.8							
PCBs - Aroclor 1260	2008-08	ug/L	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1260	2009-03	ug/L	< 0.8	< 0.8	< 0.8								
PCBs - Aroclor 1260	2010-09	ug/L	< 0.800	< 0.800	< 0.800								
PCBs - Aroclor 1260	2015-06	ug/L											
PCBs - Aroclor 1260	2015-09	ug/L	< 0.842	< 0.889	< 0.87								
PCBs - Aroclor 1260	2015-10	ug/L				< 0.909							
PCBs - Aroclor 1260	2016-03	ug/L			< 0.87	< 0.909							
PCBs - Aroclor 1260	2016-06	ug/L											
PCBs - Aroclor 1260	2016-08	ug/L			< 0.899	< 0.899							
PCBs - Aroclor 1260	2018-11	ug/L											
PCBs - Aroclor 1260	2019-03	ug/L											
PCBs - Aroclor 1260	2020-08	ug/L	< 0.941	< 0.976	< 0.976	< 0.941							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

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Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
PCBs - Aroclor 1260	2025-08	ug/L	< 1.81	< 1.79	< 1.89	< 1.76	< 1.81	< 1.88	< 1.94	< 1.79	< 1.8			
Pentachlorobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentachlorobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentachlorobenzene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Pentachlorobenzene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Pentachlorobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Pentachlorobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Pentachlorobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Pentachlorobenzene	2015-06	ug/L						< 10.5	< 11.1					
Pentachlorobenzene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Pentachlorobenzene	2015-10	ug/L			< 10.3	< 10.5								
Pentachlorobenzene	2016-03	ug/L												
Pentachlorobenzene	2016-06	ug/L					< 11.4							
Pentachlorobenzene	2016-08	ug/L					< 11							
Pentachlorobenzene	2018-11	ug/L											< 11.6	
Pentachlorobenzene	2019-03	ug/L											< 12.2	
Pentachlorobenzene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Pentachlorobenzene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Pentachloronitrobenzene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentachloronitrobenzene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentachloronitrobenzene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Pentachloronitrobenzene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Pentachloronitrobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Pentachloronitrobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Pentachloronitrobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Pentachloronitrobenzene	2015-06	ug/L						< 10.5	< 11.1					
Pentachloronitrobenzene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Pentachloronitrobenzene	2015-10	ug/L			< 10.3	< 10.5								
Pentachloronitrobenzene	2016-03	ug/L												
Pentachloronitrobenzene	2016-06	ug/L					< 11.4							
Pentachloronitrobenzene	2016-08	ug/L					< 11							
Pentachloronitrobenzene	2018-11	ug/L											< 11.6	
Pentachloronitrobenzene	2019-03	ug/L											< 12.2	
Pentachloronitrobenzene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Pentachloronitrobenzene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Pentachlorophenol	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentachlorophenol	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pentachlorophenol	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Pentachlorophenol	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Pentachlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Pentachlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Pentachlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Pentachlorophenol	2012-03	ug/L												
Pentachlorophenol	2012-09	ug/L												
Pentachlorophenol	2013-03	ug/L												
Pentachlorophenol	2015-06	ug/L						< 10.5	< 11.1					
Pentachlorophenol	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Pentachlorophenol	2015-10	ug/L			< 10.3	< 10.5								
Pentachlorophenol	2016-03	ug/L												
Pentachlorophenol	2016-06	ug/L					< 11.4							
Pentachlorophenol	2016-08	ug/L					< 11							
Pentachlorophenol	2018-11	ug/L											< 11.6	
Pentachlorophenol	2019-03	ug/L											< 12.2	
Pentachlorophenol	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Pentachlorophenol	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Phenacetin	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Phenacetin	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Phenacetin	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Phenacetin	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Phenacetin	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Phenacetin	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Phenacetin	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Phenacetin	2015-06	ug/L						< 10.5	< 11.1					
Phenacetin	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Phenacetin	2015-10	ug/L			< 10.3	< 10.5								
Phenacetin	2016-03	ug/L												
Phenacetin	2016-06	ug/L					**0.798 J**							
Phenacetin	2016-08	ug/L					< 11							
Phenacetin	2018-11	ug/L											< 11.6	
Phenacetin	2019-03	ug/L											< 12.2	
Phenacetin	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Phenacetin	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Phenanthrene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Phenanthrene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Phenanthrene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Phenanthrene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Phenanthrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Phenanthrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Phenanthrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Phenanthrene	2015-06	ug/L						< 10.5	< 11.1					
Phenanthrene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Phenanthrene	2015-10	ug/L			< 10.3	< 10.5								
Phenanthrene	2016-03	ug/L												
Phenanthrene	2016-06	ug/L					< 11.4							
Phenanthrene	2016-08	ug/L					< 11							
Phenanthrene	2018-11	ug/L											< 11.6	
Phenanthrene	2019-03	ug/L											< 12.2	

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
PCBs - Aroclor 1260	2025-08	ug/L	< 1.91	< 1.78	< 1.79	< 1.8							
Pentachlorobenzene	2008-08	ug/L	< 10	< 10	< 10								
Pentachlorobenzene	2009-03	ug/L	< 10	< 10	< 10								
Pentachlorobenzene	2009-07	ug/L	< 10	< 10	< 10.0								
Pentachlorobenzene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Pentachlorobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Pentachlorobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Pentachlorobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Pentachlorobenzene	2015-06	ug/L											
Pentachlorobenzene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Pentachlorobenzene	2015-10	ug/L				< 10.6							
Pentachlorobenzene	2016-03	ug/L			< 10	< 10							
Pentachlorobenzene	2016-06	ug/L											
Pentachlorobenzene	2016-08	ug/L			< 11.1	< 11.5							
Pentachlorobenzene	2018-11	ug/L											
Pentachlorobenzene	2019-03	ug/L											
Pentachlorobenzene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Pentachlorobenzene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Pentachloronitrobenzene	2008-08	ug/L	< 10	< 10	< 10								
Pentachloronitrobenzene	2009-03	ug/L	< 10	< 10	< 10								
Pentachloronitrobenzene	2009-07	ug/L	< 10	< 10	< 10.0								
Pentachloronitrobenzene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Pentachloronitrobenzene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Pentachloronitrobenzene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Pentachloronitrobenzene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Pentachloronitrobenzene	2015-06	ug/L											
Pentachloronitrobenzene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Pentachloronitrobenzene	2015-10	ug/L				< 10.6							
Pentachloronitrobenzene	2016-03	ug/L			< 10	< 10							
Pentachloronitrobenzene	2016-06	ug/L											
Pentachloronitrobenzene	2016-08	ug/L			< 11.1	< 11.5							
Pentachloronitrobenzene	2018-11	ug/L											
Pentachloronitrobenzene	2019-03	ug/L											
Pentachloronitrobenzene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Pentachloronitrobenzene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Pentachlorophenol	2008-08	ug/L	< 10	< 10	< 10								
Pentachlorophenol	2009-03	ug/L	< 10	< 10	< 10								
Pentachlorophenol	2009-07	ug/L	< 10	< 10	< 10.0								
Pentachlorophenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Pentachlorophenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Pentachlorophenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Pentachlorophenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Pentachlorophenol	2012-03	ug/L			< 10.0								
Pentachlorophenol	2012-09	ug/L			< 10.0								
Pentachlorophenol	2013-03	ug/L			< 10.4								
Pentachlorophenol	2015-06	ug/L											
Pentachlorophenol	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Pentachlorophenol	2015-10	ug/L				< 10.6							
Pentachlorophenol	2016-03	ug/L			< 10	< 10							
Pentachlorophenol	2016-06	ug/L											
Pentachlorophenol	2016-08	ug/L			< 11.1	< 11.5							
Pentachlorophenol	2018-11	ug/L											
Pentachlorophenol	2019-03	ug/L											
Pentachlorophenol	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Pentachlorophenol	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Phenacetin	2008-08	ug/L	< 10	< 10	< 10								
Phenacetin	2009-03	ug/L	< 10	< 10	< 10								
Phenacetin	2009-07	ug/L	< 10	< 10	< 10.0								
Phenacetin	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Phenacetin	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Phenacetin	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Phenacetin	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Phenacetin	2015-06	ug/L											
Phenacetin	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Phenacetin	2015-10	ug/L				< 10.6							
Phenacetin	2016-03	ug/L			< 10	< 10							
Phenacetin	2016-06	ug/L											
Phenacetin	2016-08	ug/L			< 11.1	< 11.5							
Phenacetin	2018-11	ug/L											
Phenacetin	2019-03	ug/L											
Phenacetin	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Phenacetin	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Phenanthrene	2008-08	ug/L	< 10	< 10	< 10								
Phenanthrene	2009-03	ug/L	< 10	< 10	< 10								
Phenanthrene	2009-07	ug/L	< 10	< 10	< 10.0								
Phenanthrene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Phenanthrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Phenanthrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Phenanthrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Phenanthrene	2015-06	ug/L											
Phenanthrene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Phenanthrene	2015-10	ug/L				< 10.6							
Phenanthrene	2016-03	ug/L			< 10	< 10							
Phenanthrene	2016-06	ug/L											
Phenanthrene	2016-08	ug/L			< 11.1	< 11.5							
Phenanthrene	2018-11	ug/L											
Phenanthrene	2019-03	ug/L											

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Phenanthrene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Phenol	2008-08	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenol	2009-03	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenol	2009-07	ug/L	< 20	< 20	< 20	< 20	< 20	< 20	< 20.0	< 20.0	< 20	< 20	< 20	< 20.0
Phenol	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Phenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Phenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Phenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Phenol	2015-06	ug/L						< 10.5	< 11.1					
Phenol	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Phenol	2015-10	ug/L			< 10.3	< 10.5								
Phenol	2016-03	ug/L												
Phenol	2016-06	ug/L					< 11.4							
Phenol	2016-08	ug/L					< 11							
Phenol	2017-03	ug/L												
Phenol	2017-08	ug/L												
Phenol	2018-11	ug/L											< 11.6	
Phenol	2019-03	ug/L											< 12.2	
Phenol	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Phenol	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Phorate	2008-08	ug/L	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60
Phorate	2009-03	ug/L	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 60
Phorate	2009-07	ug/L	< 60	< 60	< 60	< 60	< 60	< 60	< 60.0	< 60.0	< 60	< 60	< 60	< 60.0
Phorate	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Phorate	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Phorate	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Phorate	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Phorate	2015-06	ug/L						< 10.5	< 11.1					
Phorate	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Phorate	2015-10	ug/L			< 10.3	< 10.5								
Phorate	2016-03	ug/L												
Phorate	2016-06	ug/L					< 11.4							
Phorate	2016-08	ug/L					< 11							
Phorate	2018-11	ug/L											< 11.6	
Phorate	2019-03	ug/L											< 12.2	
Phorate	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Phorate	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
p-Phenylenediamine	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
p-Phenylenediamine	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
p-Phenylenediamine	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
p-Phenylenediamine	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
p-Phenylenediamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
p-Phenylenediamine	2010-09	ug/L	< 10.0 R	< 10.0 R	< 10.0 R	< 10.0 R				< 10.0 R				
p-Phenylenediamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
p-Phenylenediamine	2015-06	ug/L						< 10.5	< 11.1					
p-Phenylenediamine	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
p-Phenylenediamine	2015-10	ug/L			< 10.3	< 10.5								
p-Phenylenediamine	2016-03	ug/L												
p-Phenylenediamine	2016-06	ug/L					< 11.4							
p-Phenylenediamine	2016-08	ug/L					< 11							
p-Phenylenediamine	2018-11	ug/L											< 11.6	
p-Phenylenediamine	2019-03	ug/L											< 12.2	
p-Phenylenediamine	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
p-Phenylenediamine	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Pronamide	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pronamide	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pronamide	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Pronamide	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Pronamide	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Pronamide	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Pronamide	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Pronamide	2015-06	ug/L						< 10.5	< 11.1					
Pronamide	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Pronamide	2015-10	ug/L			< 10.3	< 10.5								
Pronamide	2016-03	ug/L												
Pronamide	2016-06	ug/L					< 11.4							
Pronamide	2016-08	ug/L					< 11							
Pronamide	2018-11	ug/L											< 11.6	
Pronamide	2019-03	ug/L											< 12.2	
Pronamide	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Pronamide	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Propionitrile	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Propionitrile	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Propionitrile	2009-07	ug/L	< 10	< 10	< 10	< 10		< 10	< 10.0	< 10.0	< 10			
Propionitrile	2009-09	ug/L	< 10.0	< 10	< 10.0	< 50.0		< 10	< 10	< 10	< 10			
Propionitrile	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Propionitrile	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Propionitrile	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Propionitrile	2012-09	ug/L		< 10.0										
Propionitrile	2015-06	ug/L						< 10	< 10					
Propionitrile	2015-09	ug/L	< 10	< 10				< 10	< 10	< 10	< 10			
Propionitrile	2015-10	ug/L			< 10	< 10								
Propionitrile	2016-03	ug/L												
Propionitrile	2016-06	ug/L					< 10							
Propionitrile	2016-08	ug/L					< 10							
Propionitrile	2018-11	ug/L											< 10	

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Phenanthrene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Phenanthrene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Phenol	2008-08	ug/L	< 20	< 20	< 20								
Phenol	2009-03	ug/L	< 20	< 20	< 20								
Phenol	2009-07	ug/L	< 20	< 20	< 20.0								
Phenol	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Phenol	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Phenol	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Phenol	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Phenol	2015-06	ug/L											
Phenol	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Phenol	2015-10	ug/L				< 10.6							
Phenol	2016-03	ug/L			< 10	< 10							
Phenol	2016-06	ug/L											
Phenol	2016-08	ug/L			< 11.1	< 11.5							
Phenol	2017-03	ug/L			< 10.2	< 11.4							
Phenol	2017-08	ug/L			< 10.6	< 11.1							
Phenol	2018-11	ug/L											
Phenol	2019-03	ug/L											
Phenol	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Phenol	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Phorate	2008-08	ug/L	< 60	< 60	< 60								
Phorate	2009-03	ug/L	< 60	< 60	< 60								
Phorate	2009-07	ug/L	< 60	< 60	< 60.0								
Phorate	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Phorate	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Phorate	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Phorate	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Phorate	2015-06	ug/L											
Phorate	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Phorate	2015-10	ug/L				< 10.6							
Phorate	2016-03	ug/L			< 10	< 10							
Phorate	2016-06	ug/L											
Phorate	2016-08	ug/L			< 11.1	< 11.5							
Phorate	2018-11	ug/L											
Phorate	2019-03	ug/L											
Phorate	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Phorate	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
p-Phenylenediamine	2008-08	ug/L	< 10	< 10	< 10								
p-Phenylenediamine	2009-03	ug/L	< 10	< 10	< 10								
p-Phenylenediamine	2009-07	ug/L	< 10	< 10	< 10.0								
p-Phenylenediamine	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
p-Phenylenediamine	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
p-Phenylenediamine	2010-09	ug/L	< 10.0 R	< 10.0 R	< 10.0 R								
p-Phenylenediamine	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
p-Phenylenediamine	2015-06	ug/L											
p-Phenylenediamine	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
p-Phenylenediamine	2015-10	ug/L				< 10.6							
p-Phenylenediamine	2016-03	ug/L			< 10	< 10							
p-Phenylenediamine	2016-06	ug/L											
p-Phenylenediamine	2016-08	ug/L			< 11.1	< 11.5							
p-Phenylenediamine	2018-11	ug/L											
p-Phenylenediamine	2019-03	ug/L											
p-Phenylenediamine	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
p-Phenylenediamine	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Pronamide	2008-08	ug/L	< 10	< 10	< 10								
Pronamide	2009-03	ug/L	< 10	< 10	< 10								
Pronamide	2009-07	ug/L	< 10	< 10	< 10.0								
Pronamide	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Pronamide	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Pronamide	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Pronamide	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Pronamide	2015-06	ug/L											
Pronamide	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Pronamide	2015-10	ug/L				< 10.6							
Pronamide	2016-03	ug/L			< 10	< 10							
Pronamide	2016-06	ug/L											
Pronamide	2016-08	ug/L			< 11.1	< 11.5							
Pronamide	2018-11	ug/L											
Pronamide	2019-03	ug/L											
Pronamide	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Pronamide	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Propionitrile	2008-08	ug/L	< 10	< 10	< 10								
Propionitrile	2009-03	ug/L	< 10	< 10	< 10								
Propionitrile	2009-07	ug/L	< 10	< 10									
Propionitrile	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Propionitrile	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Propionitrile	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Propionitrile	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Propionitrile	2012-09	ug/L											
Propionitrile	2015-06	ug/L											
Propionitrile	2015-09	ug/L	< 10	< 10	< 10								
Propionitrile	2015-10	ug/L				< 10							
Propionitrile	2016-03	ug/L			< 10	< 10							
Propionitrile	2016-06	ug/L											
Propionitrile	2016-08	ug/L			< 10	< 10							
Propionitrile	2018-11	ug/L											

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Propionitrile	2019-03	ug/L											< 10	
Propionitrile	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Propionitrile	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Pyrene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pyrene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Pyrene	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Pyrene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Pyrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Pyrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Pyrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Pyrene	2012-03	ug/L												
Pyrene	2012-09	ug/L												
Pyrene	2013-03	ug/L												
Pyrene	2015-06	ug/L						< 10.5	< 11.1					
Pyrene	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Pyrene	2015-10	ug/L			< 10.3	< 10.5								
Pyrene	2016-03	ug/L												
Pyrene	2016-06	ug/L					< 11.4							
Pyrene	2016-08	ug/L					< 11							
Pyrene	2018-11	ug/L											< 11.6	
Pyrene	2019-03	ug/L											< 12.2	
Pyrene	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Pyrene	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Safrole	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Safrole	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Safrole	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Safrole	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Safrole	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Safrole	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Safrole	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Safrole	2015-06	ug/L						< 10.5	< 11.1					
Safrole	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Safrole	2015-10	ug/L			< 10.3	< 10.5								
Safrole	2016-03	ug/L												
Safrole	2016-06	ug/L					< 11.4							
Safrole	2016-08	ug/L					< 11							
Safrole	2018-11	ug/L											< 11.6	
Safrole	2019-03	ug/L											< 12.2	
Safrole	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Safrole	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Selenium	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	2009-07	mg/L	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium	2009-09	mg/L	< 0.00500	< 0.005		< 0.00500		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		
Selenium	2010-03	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
Selenium	2010-09	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
Selenium	2011-03	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
Selenium	2011-09	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
Selenium	2012-03	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
Selenium	2012-09	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
Selenium	2013-03	mg/L	< 0.00500	< 0.00500	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00500	< 0.005	< 0.005	< 0.005
Selenium	2013-09	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
Selenium	2013-11	mg/L												
Selenium	2014-03	mg/L	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500
Selenium	2014-06	mg/L												
Selenium	2014-09	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2015-03	mg/L	< 0.00500	< 0.005	< 0.00500	< 0.00500	< 0.005	< 0.005	< 0.00500	< 0.00500	< 0.005	< 0.005	< 0.00500	< 0.00500
Selenium	2015-06	mg/L						< 0.005	< 0.005					
Selenium	2015-09	mg/L	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		
Selenium	2015-10	mg/L			< 0.005	< 0.005							< 0.005	< 0.005
Selenium	2016-03	mg/L	< 0.005	**0.000884 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2016-06	mg/L					< 0.005							
Selenium	2016-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2017-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.000948 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2017-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2017-11	mg/L												
Selenium	2018-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2018-06	mg/L												
Selenium	2018-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2018-09	mg/L							< 0.005	< 0.005				
Selenium	2018-11	mg/L											< 0.005	
Selenium	2019-03	mg/L	**0.00103 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2019-04	mg/L												
Selenium	2019-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2020-03	mg/L		< 0.005		< 0.005	< 0.02	< 0.005	< 0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2020-04	mg/L	< 0.005		< 0.005									
Selenium	2020-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005
Selenium	2021-03	mg/L				< 0.005								
Selenium	2021-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.00108 J**	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005
Selenium	2022-03	mg/L				< 0.005								
Selenium	2022-08	mg/L	< 0.005	**0.00171 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005
Selenium	2023-03	mg/L				**0.00163 J**								
Selenium	2023-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005
Selenium	2024-03	mg/L				< 0.005								
Selenium	2024-08	mg/L	**0.00157 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005
Selenium	2025-03	mg/L				< 0.005								
Selenium	2025-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Propionitrile	2019-03	ug/L											
Propionitrile	2020-08	ug/L	< 10	< 10	< 10	< 10							
Propionitrile	2025-08	ug/L	< 10	< 10	< 10 J	< 10							
Pyrene	2008-08	ug/L	< 10	< 10	< 10								
Pyrene	2009-03	ug/L	< 10	< 10	< 10								
Pyrene	2009-07	ug/L	< 10	< 10	< 10.0								
Pyrene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Pyrene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Pyrene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Pyrene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Pyrene	2012-03	ug/L			< 10.0								
Pyrene	2012-09	ug/L			< 10.0								
Pyrene	2013-03	ug/L			< 10.4								
Pyrene	2015-06	ug/L											
Pyrene	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Pyrene	2015-10	ug/L				< 10.6							
Pyrene	2016-03	ug/L			< 10	< 10							
Pyrene	2016-06	ug/L											
Pyrene	2016-08	ug/L			< 11.1	< 11.5							
Pyrene	2018-11	ug/L											
Pyrene	2019-03	ug/L											
Pyrene	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Pyrene	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Safrole	2008-08	ug/L	< 10	< 10	< 10								
Safrole	2009-03	ug/L	< 10	< 10	< 10								
Safrole	2009-07	ug/L	< 10	< 10	< 10.0								
Safrole	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Safrole	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Safrole	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Safrole	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Safrole	2015-06	ug/L											
Safrole	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Safrole	2015-10	ug/L				< 10.6							
Safrole	2016-03	ug/L			< 10	< 10							
Safrole	2016-06	ug/L											
Safrole	2016-08	ug/L			< 11.1	< 11.5							
Safrole	2018-11	ug/L											
Safrole	2019-03	ug/L											
Safrole	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Safrole	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Selenium	2008-08	mg/L	< 0.05	< 0.05	< 0.05								
Selenium	2009-03	mg/L	< 0.05	< 0.05	< 0.05								
Selenium	2009-07	mg/L	< 0.05	< 0.05	< 0.05								
Selenium	2009-09	mg/L	< 0.00500	< 0.00500	< 0.00500								
Selenium	2010-03	mg/L	< 0.00500	< 0.00500	< 0.00500								
Selenium	2010-09	mg/L	< 0.00500	< 0.00500	< 0.00500								
Selenium	2011-03	mg/L	< 0.00500	< 0.00500	< 0.00500								
Selenium	2011-09	mg/L	< 0.00500	< 0.00500	< 0.00500								
Selenium	2012-03	mg/L	< 0.00500	< 0.00500	< 0.00500								
Selenium	2012-09	mg/L	< 0.00500	< 0.00500	< 0.00500								
Selenium	2013-03	mg/L	< 0.005	< 0.005	< 0.00500								
Selenium	2013-09	mg/L	< 0.00500	< 0.00500	< 0.00500	~~< 0.00500~~	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500		
Selenium	2013-11	mg/L				**~~0.000569 J~~**	< 0.00500	< 0.00500	< 0.00500	**0.000619 J**	< 0.00500		
Selenium	2014-03	mg/L	< 0.00500	< 0.00500	< 0.00500	**~~0.000681 J~~**	< 0.00500	< 0.00500	< 0.00500	< 0.00500	**0.000767 J**		
Selenium	2014-06	mg/L				~~< 0.00500 J~~	< 0.00500 J	< 0.00500 J	< 0.00500 J	< 0.00500 J	< 0.00500 J		
Selenium	2014-09	mg/L	< 0.005	< 0.005	< 0.005	~~< 0.005~~	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		
Selenium	2015-03	mg/L	< 0.00500	< 0.00500	< 0.005	~~< 0.00500~~	< 0.00500	< 0.00500	< 0.00500	< 0.00500	< 0.00500		
Selenium	2015-06	mg/L											
Selenium	2015-09	mg/L	< 0.005	< 0.005	< 0.005								
Selenium	2015-10	mg/L				< 0.005	< 0.005	< 0.005		< 0.005	< 0.005		
Selenium	2016-03	mg/L	< 0.005	< 0.005	< 0.005	**0.00101 J**	< 0.005	**0.000736 J**		< 0.005	< 0.005		
Selenium	2016-06	mg/L											
Selenium	2016-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00133 J**	< 0.005	**0.000653 J**		< 0.005	< 0.005		
Selenium	2017-03	mg/L	< 0.005	< 0.005	< 0.005	**0.00125 J**	< 0.005	**0.00317 J**		< 0.005	< 0.005		
Selenium	2017-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00152 J**	< 0.005	**0.00118 J**		< 0.005	< 0.005		
Selenium	2017-11	mg/L										**0.000996 J**	< 0.005
Selenium	2018-03	mg/L	< 0.005	< 0.005	< 0.005	**0.00169 J**	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2018-06	mg/L										< 0.005	< 0.005
Selenium	2018-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00139 J**		**0.00166 J**		< 0.005			
Selenium	2018-09	mg/L									< 0.005	< 0.005	< 0.005
Selenium	2018-11	mg/L										< 0.005	< 0.005
Selenium	2019-03	mg/L	< 0.005	< 0.005	< 0.005	**0.00163 J**		**0.00181 J**	< 0.005	< 0.005	< 0.005	< 0.005	
Selenium	2019-04	mg/L											< 0.005
Selenium	2019-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00179 J**	< 0.005	**0.00151 J**		< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2020-03	mg/L	< 0.005	< 0.005	< 0.005	**0.0014 J**	< 0.005	**0.0014 J**		< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2020-04	mg/L											
Selenium	2020-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00174 J**	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2021-03	mg/L	< 0.005		< 0.005	**0.00218 J**							< 0.005
Selenium	2021-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00155 J**	< 0.005			**0.00593**	< 0.005	< 0.005	< 0.005
Selenium	2022-03	mg/L	< 0.005		< 0.005	**0.00132 J**							< 0.005
Selenium	2022-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00193 J**	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2023-03	mg/L	< 0.005		< 0.005	**0.00236 J**							< 0.005
Selenium	2023-08	mg/L	< 0.005	< 0.005	< 0.005	**0.0022 J**	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2024-03	mg/L	< 0.005		< 0.005	**0.0014 J**							< 0.005
Selenium	2024-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00217 J**	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Selenium	2025-03	mg/L	< 0.005		< 0.005	**0.00215 J**							< 0.005
Selenium	2025-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00186 J**	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Silver	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Silver	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Silver	2009-07	mg/L	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Silver	2009-09	mg/L	< 0.0200	< 0.02		< 0.0200		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		
Silver	2010-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Silver	2010-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Silver	2011-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Silver	2011-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Silver	2012-03	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Silver	2012-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Silver	2013-03	mg/L	< 0.0200	< 0.0400	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.0200	< 0.02	< 0.02	< 0.02
Silver	2013-09	mg/L	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Silver	2013-11	mg/L												
Silver	2014-03	mg/L	< 0.0200	< 0.0400	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0400	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Silver	2014-06	mg/L												
Silver	2014-09	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2015-03	mg/L	< 0.00100	< 0.001	**0.0000780 J**	< 0.00100	< 0.001	< 0.001	< 0.00100	< 0.00100	< 0.001	< 0.001	< 0.00100	< 0.00100
Silver	2015-06	mg/L						**0.000071 J**	**0.000086 J**					
Silver	2015-09	mg/L	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001 J	< 0.001	< 0.001 J		
Silver	2015-10	mg/L			< 0.001 J	< 0.001							< 0.001	< 0.001
Silver	2016-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000189 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2016-06	mg/L					< 0.001							
Silver	2016-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2017-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000154 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2017-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2017-11	mg/L												
Silver	2018-03	mg/L	**0.000345 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000234 J**	< 0.001	< 0.001
Silver	2018-06	mg/L												
Silver	2018-08	mg/L	**0.000313 J**	**0.000356 J**	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001
Silver	2018-09	mg/L							< 0.001	< 0.001				
Silver	2018-11	mg/L											< 0.001	
Silver	2019-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2019-04	mg/L												
Silver	2019-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2020-03	mg/L		< 0.001		< 0.001	< 0.004	< 0.001	< 0.004	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	2020-04	mg/L	< 0.001		< 0.001									
Silver	2020-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001
Silver	2021-03	mg/L				< 0.001								
Silver	2021-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	**0.00131**	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001
Silver	2022-03	mg/L				< 0.001								
Silver	2022-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001
Silver	2023-03	mg/L				**0.00164**								
Silver	2023-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.00086 J**	**0.000911 J**			< 0.001
Silver	2024-03	mg/L				< 0.001								
Silver	2024-08	mg/L	**0.000766 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	**0.000889 J**	< 0.001	< 0.001			< 0.001
Silver	2025-03	mg/L				< 0.001								
Silver	2025-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001
Styrene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
Styrene	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
Styrene	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00
Styrene	2010-09	ug/L	< 4.00	< 4.00	< 4.00	< 4.00	< 1.00	< 1.00	< 1.00	< 4.00	< 1.00	< 1.00	< 1.00	< 1.00
Styrene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Styrene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Styrene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Styrene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Styrene	2013-03	ug/L	< 1.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1	< 1	< 1
Styrene	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Styrene	2013-11	ug/L												
Styrene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Styrene	2014-06	ug/L												
Styrene	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2015-03	ug/L	< 1.00	< 1	**0.173 J**	**0.182 J**	< 1	< 1	< 1.00	< 1.00	< 1	**0.211 J**	**0.191 J**	< 1.00
Styrene	2015-06	ug/L						< 1	< 1					
Styrene	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
Styrene	2015-10	ug/L			< 1	< 1							< 1	< 1
Styrene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2016-06	ug/L					< 1							
Styrene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2017-11	ug/L												
Styrene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2018-06	ug/L												
Styrene	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Styrene	2018-09	ug/L							< 1	< 1				
Styrene	2018-11	ug/L											< 1	
Styrene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2019-04	ug/L												
Styrene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2020-03	ug/L		< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2020-04	ug/L	< 1		< 1									
Styrene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Styrene	2021-03	ug/L				< 1								
Styrene	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Styrene	2022-03	ug/L				< 1								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Silver	2008-08	mg/L	< 0.05	< 0.05	< 0.05								
Silver	2009-03	mg/L	< 0.05	< 0.05	< 0.05								
Silver	2009-07	mg/L	< 0.05	< 0.05	< 0.05								
Silver	2009-09	mg/L	< 0.0200	< 0.0200	< 0.0200								
Silver	2010-03	mg/L	< 0.0200	< 0.0200	< 0.0200								
Silver	2010-09	mg/L	< 0.0200	< 0.0200	< 0.0200								
Silver	2011-03	mg/L	< 0.0200	< 0.0200	< 0.0200								
Silver	2011-09	mg/L	< 0.0200	< 0.0200	< 0.0200								
Silver	2012-03	mg/L	< 0.0200	< 0.0200	< 0.0200								
Silver	2012-09	mg/L	< 0.0200	< 0.0200	< 0.0200								
Silver	2013-03	mg/L	< 0.02	< 0.02	< 0.0200								
Silver	2013-09	mg/L	< 0.0200	< 0.0200	< 0.0200	~~< 0.0200~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200		
Silver	2013-11	mg/L				~~< 0.0200~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200		
Silver	2014-03	mg/L	< 0.0200	< 0.0200	< 0.0200	~~< 0.0200~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200		
Silver	2014-06	mg/L				~~< 0.0200~~	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200		
Silver	2014-09	mg/L	< 0.001	< 0.001	< 0.001	~~< 0.001~~	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Silver	2015-03	mg/L	**0.0000930 J**	< 0.00100	< 0.001	**~~0.0000660 J~~**	< 0.00100	< 0.00100	< 0.00100	< 0.00100	**0.0000590 J**		
Silver	2015-06	mg/L											
Silver	2015-09	mg/L	< 0.001	< 0.001	**0.000111 J**								
Silver	2015-10	mg/L				< 0.001	< 0.001	< 0.001 J		< 0.001	< 0.001		
Silver	2016-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001		
Silver	2016-06	mg/L											
Silver	2016-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001		
Silver	2017-03	mg/L	**0.000197 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001		
Silver	2017-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001		
Silver	2017-11	mg/L										< 0.001	< 0.001
Silver	2018-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	**0.000231 J**	< 0.001		< 0.001	< 0.001	**0.000183 J**	< 0.001
Silver	2018-06	mg/L										< 0.001	< 0.001
Silver	2018-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001		**0.000301 J**		< 0.001			
Silver	2018-09	mg/L									< 0.001	< 0.001	< 0.001
Silver	2018-11	mg/L										< 0.001	< 0.001
Silver	2019-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
Silver	2019-04	mg/L											< 0.001
Silver	2019-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001
Silver	2020-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001
Silver	2020-04	mg/L											
Silver	2020-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001
Silver	2021-03	mg/L	< 0.001		< 0.001	< 0.001							< 0.001
Silver	2021-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			**0.00122**	< 0.001	< 0.001	< 0.001
Silver	2022-03	mg/L	< 0.001		< 0.001	< 0.001							< 0.001
Silver	2022-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001
Silver	2023-03	mg/L	< 0.001		< 0.001	< 0.001							< 0.001
Silver	2023-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001
Silver	2024-03	mg/L	< 0.001		< 0.001	< 0.001							< 0.001
Silver	2024-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001
Silver	2025-03	mg/L	< 0.001		< 0.001	< 0.001							< 0.001
Silver	2025-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001
Styrene	2008-08	ug/L	< 1	< 1	< 1								
Styrene	2009-03	ug/L	< 1	< 1	< 1								
Styrene	2009-07	ug/L	< 1	< 1									
Styrene	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
Styrene	2010-03	ug/L	< 2.00	< 2.00	< 2.00								
Styrene	2010-09	ug/L	< 4.00	< 4.00	< 4.00								
Styrene	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
Styrene	2011-09	ug/L	< 1.00	< 1.00	< 1.00								
Styrene	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
Styrene	2012-09	ug/L	< 1.00	< 1.00	< 1.00								
Styrene	2013-03	ug/L	< 1	< 1	< 1.00								
Styrene	2013-09	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Styrene	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Styrene	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Styrene	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Styrene	2014-09	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
Styrene	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Styrene	2015-06	ug/L											
Styrene	2015-09	ug/L	< 1	< 1	< 1								
Styrene	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
Styrene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Styrene	2016-06	ug/L											
Styrene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Styrene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Styrene	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Styrene	2017-11	ug/L										< 1	< 1
Styrene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Styrene	2018-06	ug/L										< 1	< 1
Styrene	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
Styrene	2018-09	ug/L									< 1	< 1	< 1
Styrene	2018-11	ug/L										< 1	< 1
Styrene	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
Styrene	2019-04	ug/L											< 1
Styrene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Styrene	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Styrene	2020-04	ug/L											
Styrene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Styrene	2021-03	ug/L	< 1		< 1	< 1							< 1
Styrene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Styrene	2022-03	ug/L	< 1		< 1	< 1							< 1

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Styrene	2023-03	ug/L				< 1								
Styrene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Styrene	2024-03	ug/L				< 1								
Styrene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Styrene	2025-03	ug/L				< 1								
Styrene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Sulfide	2008-08	mg/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Sulfide	2009-03	mg/L										< 5		< 5
Sulfide	2010-09	mg/L	< 1.0	< 1.0 U	< 1.0	< 1.0				< 1.7 U				
Sulfide	2015-06	mg/L						< 1	< 1					
Sulfide	2015-09	mg/L	< 1	**0.366 J**				< 1	< 1	< 1	< 1			
Sulfide	2015-10	mg/L			< 1	< 1								
Sulfide	2016-03	mg/L												
Sulfide	2016-06	mg/L					< 1							
Sulfide	2016-08	mg/L					< 1							
Sulfide	2018-11	mg/L											< 1	
Sulfide	2019-03	mg/L											< 1	
Sulfide	2020-08	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			
Sulfide	2025-08	mg/L	< 1	**2.6**	< 1	< 1	< 1	**0.319 J**	**0.239 J**	< 1	< 1			
Sulfide	2025-12	mg/L		**0.656 J**										
Technical Chlordane	2008-09	ug/L										< 2		< 2
Technical Chlordane	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Technical Chlordane	2010-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00				< 2.00				
Technical Chlordane	2015-06	ug/L						< 2.17	< 2					
Technical Chlordane	2015-09	ug/L	< 2.22	< 2.22				< 2.25	< 2.04	< 2.22	< 2.2			
Technical Chlordane	2015-10	ug/L			< 2.33	< 2.27								
Technical Chlordane	2016-03	ug/L												
Technical Chlordane	2016-06	ug/L					< 2.27							
Technical Chlordane	2016-08	ug/L					< 2.11							
Technical Chlordane	2018-11	ug/L											< 2.25	
Technical Chlordane	2019-03	ug/L											< 2.33	
Technical Chlordane	2020-08	ug/L	< 2.35	< 2.44	< 2.35	< 2.35	< 2.35	< 2.35	< 2.44	< 2.35	< 2.44			
Technical Chlordane	2025-08	ug/L	< 1.81	< 1.79	< 1.89	< 1.76	< 1.81	< 1.88	< 1.94	< 1.79	< 1.9			
Tetrachloroethene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
Tetrachloroethene	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
Tetrachloroethene	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Tetrachloroethene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Tetrachloroethene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Tetrachloroethene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Tetrachloroethene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Tetrachloroethene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Tetrachloroethene	2013-03	ug/L	< 1.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1	< 1	< 1
Tetrachloroethene	2013-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Tetrachloroethene	2013-11	ug/L												
Tetrachloroethene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Tetrachloroethene	2014-06	ug/L												
Tetrachloroethene	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2015-03	ug/L	< 1.00	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00
Tetrachloroethene	2015-06	ug/L						< 1	< 1					
Tetrachloroethene	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
Tetrachloroethene	2015-10	ug/L			< 1	< 1							< 1	< 1
Tetrachloroethene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2016-06	ug/L					< 1							
Tetrachloroethene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2017-11	ug/L												
Tetrachloroethene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2018-06	ug/L												
Tetrachloroethene	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Tetrachloroethene	2018-09	ug/L							< 1	< 1				
Tetrachloroethene	2018-11	ug/L											< 1	
Tetrachloroethene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2019-04	ug/L												
Tetrachloroethene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2020-03	ug/L		< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	2020-04	ug/L	< 1		< 1									
Tetrachloroethene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			**0.68 J**
Tetrachloroethene	2021-03	ug/L				< 1								
Tetrachloroethene	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Tetrachloroethene	2022-03	ug/L				< 1								
Tetrachloroethene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Tetrachloroethene	2023-03	ug/L				< 1								
Tetrachloroethene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Tetrachloroethene	2024-03	ug/L				< 1								
Tetrachloroethene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Tetrachloroethene	2025-03	ug/L				< 1								
Tetrachloroethene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Thallium	2008-08	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Thallium	2009-03	mg/L	< 0.002	< 0.004	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.01	< 0.002	< 0.002	< 0.002	< 0.002
Thallium	2009-07	mg/L												
Thallium	2009-09	mg/L	< 0.00200	< 0.006		< 0.00200		< 0.002	< 0.002	< 0.01	< 0.002			
Thallium	2010-03	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Thallium	2010-09	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**
Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Styrene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Styrene	2023-03	ug/L	< 1		< 1	< 1							< 1
Styrene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Styrene	2024-03	ug/L	< 1		< 1	< 1							< 1
Styrene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Styrene	2025-03	ug/L	< 1		< 1	< 1							< 1
Styrene	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
Sulfide	2008-08	mg/L	< 5	< 5	< 5								
Sulfide	2009-03	mg/L			< 5								
Sulfide	2010-09	mg/L	< 1.0	< 1.0	< 1.0								
Sulfide	2015-06	mg/L											
Sulfide	2015-09	mg/L	< 1	< 1	< 1								
Sulfide	2015-10	mg/L				< 1							
Sulfide	2016-03	mg/L			< 1	< 1							
Sulfide	2016-06	mg/L											
Sulfide	2016-08	mg/L			< 1	< 1							
Sulfide	2018-11	mg/L											
Sulfide	2019-03	mg/L											
Sulfide	2020-08	mg/L	< 10	< 10	< 10	< 10							
Sulfide	2025-08	mg/L	< 1	< 1	< 1	< 1							
Sulfide	2025-12	mg/L											
Technical Chlordane	2008-09	ug/L			< 2								
Technical Chlordane	2009-03	ug/L	< 2	< 2	< 2								
Technical Chlordane	2010-09	ug/L	< 2.00	< 2.00	< 2.00								
Technical Chlordane	2015-06	ug/L											
Technical Chlordane	2015-09	ug/L	< 2.15	< 2.2	< 2.2								
Technical Chlordane	2015-10	ug/L				< 2.27							
Technical Chlordane	2016-03	ug/L			< 2.13	< 2.22							
Technical Chlordane	2016-06	ug/L											
Technical Chlordane	2016-08	ug/L			< 2.22	< 2.04							
Technical Chlordane	2018-11	ug/L											
Technical Chlordane	2019-03	ug/L											
Technical Chlordane	2020-08	ug/L	< 2.35	< 2.44	< 2.44	< 2.35							
Technical Chlordane	2025-08	ug/L	< 1.91	< 1.91	< 1.79	< 1.8							
Tetrachloroethene	2008-08	ug/L	< 1	< 1	< 1								
Tetrachloroethene	2009-03	ug/L	< 1	< 1	< 1								
Tetrachloroethene	2009-07	ug/L	< 1	< 1									
Tetrachloroethene	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
Tetrachloroethene	2010-03	ug/L	< 2.00	< 2.00	< 2.00								
Tetrachloroethene	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
Tetrachloroethene	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
Tetrachloroethene	2011-09	ug/L	< 1.00	< 1.00	< 1.00								
Tetrachloroethene	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
Tetrachloroethene	2012-09	ug/L	< 1.00	< 1.00	< 1.00								
Tetrachloroethene	2013-03	ug/L	< 1	< 1	< 1.00								
Tetrachloroethene	2013-09	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Tetrachloroethene	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Tetrachloroethene	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Tetrachloroethene	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Tetrachloroethene	2014-09	ug/L	< 1	< 1	< 1		< 1	**0.183 J**	< 1	< 1	< 1		
Tetrachloroethene	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Tetrachloroethene	2015-06	ug/L											
Tetrachloroethene	2015-09	ug/L	< 1	< 1	< 1								
Tetrachloroethene	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
Tetrachloroethene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Tetrachloroethene	2016-06	ug/L											
Tetrachloroethene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Tetrachloroethene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Tetrachloroethene	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Tetrachloroethene	2017-11	ug/L										< 1	< 1
Tetrachloroethene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Tetrachloroethene	2018-06	ug/L										< 1	< 1
Tetrachloroethene	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
Tetrachloroethene	2018-09	ug/L									< 1	< 1	< 1
Tetrachloroethene	2018-11	ug/L										< 1	< 1
Tetrachloroethene	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
Tetrachloroethene	2019-04	ug/L											< 1
Tetrachloroethene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Tetrachloroethene	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Tetrachloroethene	2020-04	ug/L											
Tetrachloroethene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Tetrachloroethene	2021-03	ug/L	< 1		< 1	< 1							< 1
Tetrachloroethene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Tetrachloroethene	2022-03	ug/L	< 1		< 1	< 1							< 1
Tetrachloroethene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Tetrachloroethene	2023-03	ug/L	< 1		< 1	< 1							< 1
Tetrachloroethene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Tetrachloroethene	2024-03	ug/L	< 1		< 1	< 1							< 1
Tetrachloroethene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Tetrachloroethene	2025-03	ug/L	< 1		< 1	< 1							< 1
Tetrachloroethene	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
Thallium	2008-08	mg/L	< 0.002	< 0.002	< 0.002								
Thallium	2009-03	mg/L	< 0.002	< 0.002	< 0.002								
Thallium	2009-07	mg/L			< 0.00200								
Thallium	2009-09	mg/L	< 0.00200	< 0.00200	< 0.00200								
Thallium	2010-03	mg/L	< 0.00200	< 0.00200	< 0.00200								
Thallium	2010-09	mg/L	< 0.00200	< 0.00200	< 0.00200								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Thallium	2011-03	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Thallium	2011-09	mg/L	< 0.00200	< 0.00300	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00400	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Thallium	2012-03	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Thallium	2012-09	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Thallium	2013-03	mg/L	< 0.00200	< 0.00200	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.00200	< 0.002	< 0.002	< 0.002
Thallium	2013-09	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Thallium	2013-11	mg/L												
Thallium	2014-03	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Thallium	2014-06	mg/L												
Thallium	2014-09	mg/L	**0.000073 J**	< 0.001	**0.000169 J**	**0.000033 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Thallium	2015-03	mg/L	**0.0000580 J**	< 0.001	**0.0000860 J**	**0.0000590 J**	**0.000036 J**	< 0.001	< 0.00100	< 0.00100	< 0.001	< 0.001	< 0.00100	< 0.00100
Thallium	2015-06	mg/L						< 0.001	< 0.001					
Thallium	2015-09	mg/L	**0.000082 J**	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Thallium	2015-10	mg/L			**0.000125 J**	< 0.001							< 0.001	< 0.001
Thallium	2016-03	mg/L	**0.000059 J**	< 0.001	**0.000089 J**	< 0.001	**0.000031 J**	< 0.001	< 0.001	< 0.001	< 0.001	**0.000033 J**	< 0.001	< 0.001
Thallium	2016-06	mg/L					< 0.001							
Thallium	2016-08	mg/L	< 0.001	< 0.001	**0.000081 J**	**0.000029 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Thallium	2017-03	mg/L	**0.000094 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Thallium	2017-08	mg/L	< 0.001	< 0.001	**0.000095 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Thallium	2017-11	mg/L												
Thallium	2018-03	mg/L	**0.000085 J**	< 0.001	**0.000078 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Thallium	2018-06	mg/L												
Thallium	2018-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	< 0.001	< 0.001	< 0.001
Thallium	2018-09	mg/L							< 0.001	< 0.001				
Thallium	2018-11	mg/L											< 0.001	
Thallium	2019-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Thallium	2019-04	mg/L												
Thallium	2019-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Thallium	2020-03	mg/L		< 0.001		< 0.001	< 0.004	< 0.001	< 0.004	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Thallium	2020-04	mg/L	< 0.001		< 0.001									
Thallium	2020-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001
Thallium	2021-03	mg/L				< 0.001								
Thallium	2021-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001
Thallium	2022-03	mg/L				< 0.001								
Thallium	2022-08	mg/L	< 0.001	**0.000527 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001
Thallium	2023-03	mg/L				**0.000975 J**								
Thallium	2023-08	mg/L	**0.000504 J**	< 0.001	**0.00039 J**	< 0.001	< 0.001	< 0.001	< 0.001	**0.00241**	**0.00307**			< 0.001
Thallium	2024-03	mg/L				< 0.001								
Thallium	2024-08	mg/L	**0.000782 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001
Thallium	2025-03	mg/L				< 0.001								
Thallium	2025-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001
Thionazin	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thionazin	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thionazin	2009-07	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10	< 10.0
Thionazin	2009-09	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0
Thionazin	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Thionazin	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Thionazin	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0				< 10.0				
Thionazin	2012-03	ug/L												
Thionazin	2012-09	ug/L												
Thionazin	2013-03	ug/L												
Thionazin	2015-06	ug/L						< 10.5	< 11.1					
Thionazin	2015-09	ug/L	< 11.1	< 11.2				< 11.1	< 10.2	< 11.2	< 11.1			
Thionazin	2015-10	ug/L			< 10.3	< 10.5								
Thionazin	2016-03	ug/L												
Thionazin	2016-06	ug/L					< 11.4							
Thionazin	2016-08	ug/L					< 11							
Thionazin	2018-11	ug/L											< 11.6	
Thionazin	2019-03	ug/L											< 12.2	
Thionazin	2020-08	ug/L	< 11.8	< 12.2	< 10.8	< 10.9	< 11.4	< 11.4	< 11.2	< 11.8	< 11.9			
Thionazin	2025-08	ug/L	< 10.4	< 10.6	< 11.1	< 10.6	< 10.4	< 10.4	< 10.2	< 9.43	< 11.1			
Tin	2008-08	mg/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tin	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tin	2009-07	mg/L	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tin	2009-09	mg/L	< 0.100	< 0.1		< 0.100		< 0.1	< 0.1	< 0.1	**0.104**	< 0.1		
Tin	2010-03	mg/L	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
Tin	2010-09	mg/L	< 0.100	< 0.100	< 0.100	< 0.100				< 0.100				
Tin	2011-03	mg/L	**0.210**	**0.143**	**0.171**	< 0.100				**0.134**				
Tin	2011-09	mg/L	< 0.100	< 0.100	< 0.100					< 0.100				
Tin	2012-03	mg/L	< 0.100	< 0.100	< 0.100					< 0.100	< 0.100			
Tin	2012-09	mg/L	< 0.100	< 0.100	< 0.100					< 0.100	< 0.100			
Tin	2013-03	mg/L	< 0.100	< 0.200	< 0.1					< 0.1	< 0.100			
Tin	2013-09	mg/L	< 0.100	< 0.100	< 0.100					< 0.100	< 0.100			
Tin	2013-11	mg/L												
Tin	2014-03	mg/L	< 0.100	< 0.200	< 0.100					< 0.200	< 0.100			
Tin	2014-06	mg/L												
Tin	2014-09	mg/L	**0.126**	**0.111**	**0.104**					**0.113**	**0.0975 J**			
Tin	2015-03	mg/L	< 0.100	< 0.3	< 0.100					< 0.100	< 0.1			
Tin	2015-06	mg/L						< 0.005	< 0.005					
Tin	2015-09	mg/L	< 0.005	< 0.005				< 0.005	< 0.005	< 0.005	< 0.005			
Tin	2015-10	mg/L			< 0.005	< 0.005								
Tin	2016-03	mg/L	< 0.005	**0.00133 J**	< 0.005					< 0.005	< 0.005			
Tin	2016-06	mg/L					< 0.005							
Tin	2016-08	mg/L	< 0.005	**0.00127 J**	< 0.005		< 0.005			< 0.005	< 0.005			
Tin	2017-03	mg/L	< 0.005	< 0.005	< 0.005					< 0.005	< 0.005			
Tin	2017-08	mg/L	< 0.005	< 0.005	< 0.005					< 0.005	< 0.005			
Tin	2018-03	mg/L	< 0.005	< 0.005	< 0.005					< 0.005	< 0.005			

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Thallium	2011-03	mg/L	< 0.00200	< 0.00200	< 0.00200								
Thallium	2011-09	mg/L	< 0.00200	< 0.00200	< 0.00200								
Thallium	2012-03	mg/L	< 0.00200	< 0.00200	< 0.00200								
Thallium	2012-09	mg/L	< 0.00200	< 0.00200	< 0.00200								
Thallium	2013-03	mg/L	< 0.002	< 0.002	< 0.00200								
Thallium	2013-09	mg/L	< 0.00200	< 0.00200	< 0.00200	~~< 0.00200~~	< 0.00200	< 0.00200	< 0.00200	< 0.00200	**0.00250**		
Thallium	2013-11	mg/L				~~< 0.00200~~	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200		
Thallium	2014-03	mg/L	< 0.00200	< 0.00200	< 0.00200	~~< 0.00200~~	< 0.00200	< 0.00200	< 0.00200	< 0.00200	**0.00105 J**		
Thallium	2014-06	mg/L				~~< 0.00200~~	< 0.00200	< 0.00200	< 0.00200	< 0.00200	**0.000767 J**		
Thallium	2014-09	mg/L	**0.000084 J**	< 0.001	**0.000033 J**	~~**0.000097 J**~~	**0.000036 J**	**0.000052 J**	< 0.001	< 0.001	**0.00237**		
Thallium	2015-03	mg/L	**0.000107 J**	**0.0000330 J**	< 0.001	~~< 0.00100~~	**0.0000490 J**	**0.0000770 J**	**0.000139 J**	< 0.00100	**0.00186**		
Thallium	2015-06	mg/L											
Thallium	2015-09	mg/L	**0.000124 J**	< 0.001	**0.000037 J**								
Thallium	2015-10	mg/L				**0.000087 J**	**0.000052 J**	**0.000068 J**		< 0.001	**0.00166**		
Thallium	2016-03	mg/L	**0.000091 J**	< 0.001	**0.000033 J**	**0.000034 J**	< 0.001	**0.000032 J**		< 0.001	**0.00132**		
Thallium	2016-06	mg/L											
Thallium	2016-08	mg/L	**0.000101 J**	**0.000066 J**	< 0.001	< 0.001	**0.000041 J**	**0.000047 J**		< 0.001	**0.00128**		
Thallium	2017-03	mg/L	**0.000124 J**	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	**0.00309**		
Thallium	2017-08	mg/L	**0.000123 J**	< 0.001	< 0.001	**0.00008 J**	< 0.001	< 0.001		< 0.001	**0.0037**		
Thallium	2017-11	mg/L										< 0.001	**0.00463**
Thallium	2018-03	mg/L	**0.000116 J**	< 0.001	< 0.001	**0.000065 J**	< 0.001	< 0.001		< 0.001	**0.003**	< 0.001	**0.0052**
Thallium	2018-06	mg/L										< 0.001	**0.00513**
Thallium	2018-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001		< 0.001			
Thallium	2018-09	mg/L									**0.00289**	< 0.001	**0.00531**
Thallium	2018-11	mg/L										< 0.001	**0.00453**
Thallium	2019-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	**0.00328**	< 0.001	
Thallium	2019-04	mg/L											**0.00464**
Thallium	2019-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	**0.00425**	< 0.001	**0.00482**
Thallium	2020-03	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	**0.00341**	< 0.001	**0.00557**
Thallium	2020-04	mg/L											
Thallium	2020-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	**0.00286**	< 0.001	**0.00446**
Thallium	2021-03	mg/L	< 0.001		< 0.001	< 0.001							**0.00525**
Thallium	2021-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			**0.00445**	**0.0053**	< 0.001	**0.00475**
Thallium	2022-03	mg/L	< 0.001		< 0.001	< 0.001							**0.00456**
Thallium	2022-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	**0.00406**	< 0.001	**0.00557**
Thallium	2023-03	mg/L	< 0.001		< 0.001	< 0.001							**0.00515**
Thallium	2023-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	**0.002**	< 0.001	**0.00342**
Thallium	2024-03	mg/L	< 0.001		< 0.001	< 0.001							**0.00452**
Thallium	2024-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	**0.00181**	< 0.001	**0.00378**
Thallium	2025-03	mg/L	< 0.001		< 0.001	< 0.001							**0.00382**
Thallium	2025-08	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001			< 0.001	**0.00168**	< 0.001	**0.00425**
Thionazin	2008-08	ug/L	< 10	< 10	< 10								
Thionazin	2009-03	ug/L	< 10	< 10	< 10								
Thionazin	2009-07	ug/L	< 10	< 10	< 10.0								
Thionazin	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
Thionazin	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
Thionazin	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
Thionazin	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
Thionazin	2012-03	ug/L			< 10.0								
Thionazin	2012-09	ug/L			< 10.0								
Thionazin	2013-03	ug/L			< 10.4								
Thionazin	2015-06	ug/L											
Thionazin	2015-09	ug/L	< 10.9	< 10.5	< 11.2								
Thionazin	2015-10	ug/L				< 10.6							
Thionazin	2016-03	ug/L			< 10	< 10							
Thionazin	2016-06	ug/L											
Thionazin	2016-08	ug/L			< 11.1	< 11.5							
Thionazin	2018-11	ug/L											
Thionazin	2019-03	ug/L											
Thionazin	2020-08	ug/L	< 11.8	< 11	< 11.8	< 11.8							
Thionazin	2025-08	ug/L	< 11.1	< 10	< 10.4	< 9.8							
Tin	2008-08	mg/L	< 0.1	< 0.1	< 0.1								
Tin	2009-03	mg/L	< 0.05	< 0.05	< 0.05								
Tin	2009-07	mg/L	< 0.05	< 0.05	< 0.05								
Tin	2009-09	mg/L	< 0.100	< 0.100	< 0.100								
Tin	2010-03	mg/L	< 0.100	< 0.100	< 0.100								
Tin	2010-09	mg/L	< 0.100	< 0.100	< 0.100								
Tin	2011-03	mg/L	**0.128**	**0.173 J**	**0.109**								
Tin	2011-09	mg/L	< 0.100	< 0.100	< 0.100								
Tin	2012-03	mg/L	< 0.100	< 0.100	< 0.100								
Tin	2012-09	mg/L	< 0.100	< 0.100	< 0.100								
Tin	2013-03	mg/L	< 0.1	< 0.1	< 0.100								
Tin	2013-09	mg/L	< 0.100	< 0.100	< 0.100	~~< 0.100~~							
Tin	2013-11	mg/L				~~**0.591**~~							
Tin	2014-03	mg/L	< 0.100	< 0.100	< 0.100	~~< 0.100~~							
Tin	2014-06	mg/L				~~< 0.100~~							
Tin	2014-09	mg/L	**0.0954 J**	**0.12**	**0.0592 J**	~~**0.105**~~							
Tin	2015-03	mg/L	< 0.100	< 0.100	< 0.1	~~< 0.100~~							
Tin	2015-06	mg/L											
Tin	2015-09	mg/L	< 0.005	< 0.005	< 0.005								
Tin	2015-10	mg/L				< 0.005							
Tin	2016-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005							
Tin	2016-06	mg/L											
Tin	2016-08	mg/L	< 0.005	**0.00166 J**	< 0.005	< 0.005							
Tin	2017-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005							
Tin	2017-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005							
Tin	2018-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005							

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tin	2018-08	mg/L	< 0.005	**0.000982 J**	**0.000942 J**						**0.0011 J**			
Tin	2018-09	mg/L								< 0.005				
Tin	2018-11	mg/L											< 0.005	
Tin	2019-03	mg/L	< 0.005	< 0.005	< 0.005					< 0.005	< 0.005		< 0.005	
Tin	2019-08	mg/L	< 0.005	< 0.005	< 0.005					< 0.005	**0.00205 J**			
Tin	2020-03	mg/L		< 0.005						< 0.005	< 0.005			
Tin	2020-04	mg/L	< 0.005		< 0.005									
Tin	2020-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			
Tin	2021-03	mg/L												
Tin	2021-08	mg/L	< 0.005	< 0.005	< 0.005					< 0.005	< 0.005			
Tin	2022-03	mg/L												
Tin	2022-08	mg/L	< 0.005	< 0.005	< 0.005					< 0.005	< 0.005			
Tin	2023-03	mg/L												
Tin	2023-08	mg/L	< 0.005	< 0.005	< 0.005					< 0.005	< 0.005			
Tin	2024-03	mg/L												
Tin	2024-08	mg/L	< 0.005	< 0.005	< 0.005					< 0.005	< 0.005			
Tin	2025-03	mg/L												
Tin	2025-08	mg/L	< 0.005	< 0.005	< 0.005	**0.00378 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			
Toluene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	< 1.00	< 1			
Toluene	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
Toluene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	2013-03	ug/L	< 1.00	< 1.00	< 1	< 1	< 1	< 1	< 1	< 1	< 1.00	< 1	< 1	< 1
Toluene	2013-09	ug/L	< 1.00	< 1.00 J	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	2013-11	ug/L												
Toluene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	2014-06	ug/L												
Toluene	2014-09	ug/L	< 1	< 1	< 1	**0.166 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2015-03	ug/L	< 1.00	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	**0.177 J**	< 1	< 1	< 1.00	< 1.00
Toluene	2015-06	ug/L						< 1	< 1					
Toluene	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
Toluene	2015-10	ug/L			< 1	< 1							< 1	< 1
Toluene	2016-03	ug/L	< 1	< 1	< 1	< 1 J	< 1	< 1	< 1	< 1 J	< 1	< 1	< 1	< 1
Toluene	2016-06	ug/L					**0.214 J**							
Toluene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**1.08**	< 1	< 1	< 1	< 1
Toluene	2017-03	ug/L	< 1	**1.19**	< 1	< 1	< 1	< 1	< 1	< 1	**0.177 J**	< 1	< 1	**0.168 J**
Toluene	2017-08	ug/L	< 1	**0.456 J**	< 1	< 1	< 1	< 1	< 1	< 1	**0.154 J**	**0.39 J**	**0.3 J**	< 1
Toluene	2017-11	ug/L												
Toluene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.185 J**	< 1	**0.332 J**	< 1
Toluene	2018-06	ug/L												
Toluene	2018-08	ug/L	< 1	< 1	< 1	**0.572 J**	< 1	< 1			< 1	**0.438 J**	< 1	< 1
Toluene	2018-09	ug/L							< 1	< 1				
Toluene	2018-11	ug/L											< 1	
Toluene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2019-04	ug/L												
Toluene	2019-08	ug/L	< 1	**0.445 J**	< 1	**1.14**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2020-03	ug/L		< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	2020-04	ug/L	< 1		< 1									
Toluene	2020-08	ug/L	< 1	< 1	< 1	**0.681 J**	< 1	< 1	< 1	< 1	< 1			< 1
Toluene	2021-03	ug/L				< 1								
Toluene	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Toluene	2022-03	ug/L				< 1								
Toluene	2022-08	ug/L	< 1	< 1	< 1	**0.475 J**	< 1	< 1	< 1	< 1	< 1			< 1
Toluene	2023-03	ug/L				< 1								
Toluene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Toluene	2024-03	ug/L				< 1								
Toluene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Toluene	2025-03	ug/L				< 1								
Toluene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Total Suspended Solids	2014-09	mg/L	**2.25**	**36**	**6.38**	**69**	**1.63 J**	**2.88**	**5.14**	**48.8**	**4.13**	**1.88**	< 1.88	**1.75 J**
Total Suspended Solids	2015-03	mg/L	**1.76**	**50.7**	**3.00**	**54.7**	**3**	**5.17**	**4.20**	**49.0**	**3.83**	**10.8**	< 2.50	**5.83**
Total Suspended Solids	2015-06	mg/L						**6.87**	**4.38**					
Total Suspended Solids	2015-09	mg/L	< 1.88	**30.5**			**2.63**	**5**	**3.87**	**42.1**	**3**	**3.13**		
Total Suspended Solids	2015-10	mg/L			**2.13**	**58.7**							< 1.88	**6.2**
Total Suspended Solids	2016-03	mg/L	**1.63 J**	**34.7**	< 1.88	**138**	**2.5**	< 16.1 J	< 10.8 J	**51.3**	**1.88**	**1.5 J**	**1.25 J**	**3.75**
Total Suspended Solids	2016-06	mg/L					**2.75**							
Total Suspended Solids	2016-08	mg/L	**6.63**	**44**	**7.25**	**100**	**2.63**	**5.13**	**6.25**	**49.6**	**3**	**2.38**	**2.25**	**4.25**
Total Suspended Solids	2017-03	mg/L	< 1.88	**24.1**	**0.75 J**	**112**	**1.63 J**	**4.2**	**7.38**	**49.2**	**2.13**	**2.25**	< 1.88	**3.63**
Total Suspended Solids	2017-08	mg/L	< 1.88	**21.9**	**2**	**108**	**2.13**	**4.5**	**3.25**	**54**	**2.63**	**4.25**	**0.875 J**	**5.25**
Total Suspended Solids	2017-11	mg/L												
Total Suspended Solids	2018-03	mg/L	< 1.88	**28**	**2.13**	**81.5**	**0.75 J**	**5.25**	**14.9**	**41.2**	**4.25**	**2**	**3**	**6**
Total Suspended Solids	2018-06	mg/L												
Total Suspended Solids	2018-08	mg/L	**1.75 J**	**28.7**	**1.75 J**	**63**	**2.88**	**4.75**			**5**	**3.63**	**0.875 J**	**9.38**
Total Suspended Solids	2018-09	mg/L							**8.63**	**32.5**				
Total Suspended Solids	2018-11	mg/L											**0.875 J**	
Total Suspended Solids	2019-03	mg/L	**4.5**	**27**	**3.63**	**111**	**3.75**	**4.88**	**5.63**	**38.7**	**4.88**	**2.38**	< 1.88	**6**
Total Suspended Solids	2019-04	mg/L												
Total Suspended Solids	2019-08	mg/L	< 1.88	**20.5**	< 1.88	**82.7**	**2.5**	**4.62**	**3.75**	**47**	**4.5**	< 1.88	**1.63 J**	**5.12**
Total Suspended Solids	2020-03	mg/L		**36**		**88**	**1.13 J**	**2.88**	**2.75**	**45**	**2.5**	< 1.88	**1.5 J**	**3.5 J**
Total Suspended Solids	2020-04	mg/L	< 1.88		**1.5 J**									
Total Suspended Solids	2020-08	mg/L	**0.75 J**	**19**	**1.75 J**	**58.7**	**2**	**1.38 J**	**5.37**	**39.1**	**2.63**			**4.13**

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**
Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Tin	2018-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005							
Tin	2018-09	mg/L											
Tin	2018-11	mg/L											
Tin	2019-03	mg/L	**0.00491 J**	< 0.005	< 0.005	< 0.005							
Tin	2019-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005							
Tin	2020-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005							
Tin	2020-04	mg/L											
Tin	2020-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005				< 0.005	< 0.005		< 0.005
Tin	2021-03	mg/L	< 0.005		< 0.005	< 0.005							
Tin	2021-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005							
Tin	2022-03	mg/L	< 0.005		< 0.005	< 0.005							
Tin	2022-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005							
Tin	2023-03	mg/L	< 0.005		< 0.005	< 0.005							
Tin	2023-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005							
Tin	2024-03	mg/L	< 0.005		< 0.005	< 0.005							
Tin	2024-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005							
Tin	2025-03	mg/L	< 0.005		< 0.005	**0.00552**							
Tin	2025-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005				< 0.005			< 0.005
Toluene	2008-08	ug/L	< 1	< 1	< 1								
Toluene	2009-03	ug/L	< 1	< 1	< 1								
Toluene	2009-07	ug/L	< 1	< 1									
Toluene	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
Toluene	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
Toluene	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
Toluene	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
Toluene	2011-09	ug/L	< 1.00	< 1.00	< 1.00								
Toluene	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
Toluene	2012-09	ug/L	< 1.00	< 1.00	< 1.00								
Toluene	2013-03	ug/L	< 1	< 1	< 1.00								
Toluene	2013-09	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Toluene	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Toluene	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Toluene	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Toluene	2014-09	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
Toluene	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Toluene	2015-06	ug/L											
Toluene	2015-09	ug/L	< 1	< 1	< 1								
Toluene	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
Toluene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Toluene	2016-06	ug/L											
Toluene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Toluene	2017-03	ug/L	**0.216 J**	< 1	**0.315 J**	< 1	< 1	< 1		< 1	< 1		
Toluene	2017-08	ug/L	< 1	< 1	**0.325 J**	< 1	< 1	< 1		< 1	< 1		
Toluene	2017-11	ug/L										< 1	< 1
Toluene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	**0.617 J**	**0.281 J**
Toluene	2018-06	ug/L										< 1	< 1
Toluene	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
Toluene	2018-09	ug/L									< 1	< 1	< 1
Toluene	2018-11	ug/L										< 1	< 1
Toluene	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
Toluene	2019-04	ug/L											< 1
Toluene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Toluene	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Toluene	2020-04	ug/L											
Toluene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	**1.01**	< 1	< 1
Toluene	2021-03	ug/L	< 1		< 1	< 1							< 1
Toluene	2021-08	ug/L	< 1	**0.555 J**	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Toluene	2022-03	ug/L	< 1		< 1	< 1							< 1
Toluene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Toluene	2023-03	ug/L	< 1		< 1	< 1							< 1
Toluene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Toluene	2024-03	ug/L	< 1		< 1	< 1							< 1
Toluene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Toluene	2025-03	ug/L	< 1		< 1	< 1							< 1
Toluene	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
Total Suspended Solids	2014-09	mg/L	**10.7**	**22**	**2.5**	**165**	**13.8**	**4.13**	**30**	**13.2**	**7.67**		
Total Suspended Solids	2015-03	mg/L	**11.5**	**28.5**	< 2.5	**9.88**	**66.2**	**15.3**	**10.2**	**1.76**	**2.47**		
Total Suspended Solids	2015-06	mg/L											
Total Suspended Solids	2015-09	mg/L	**15**	**31.1**	< 1.88								
Total Suspended Solids	2015-10	mg/L				< 1.88	< 1.88	< 1.88	**17.3**	< 1.88	< 1.88		
Total Suspended Solids	2016-03	mg/L	**12.4**	**31**	< 1.88	< 1.76	< 1.76	< 1.88	**4.38**	**1.92**	< 1.88		
Total Suspended Solids	2016-06	mg/L											
Total Suspended Solids	2016-08	mg/L	**11.6**	**34.4**	**0.875 J**	< 1.88	**0.75 J**	< 1.88	**10.6**	**6.12**	**1 J**		
Total Suspended Solids	2017-03	mg/L	**11.9**	**27.1**	< 1.88	< 1.88	< 1.88	< 1.88	**5**	< 1.88	**0.875 J**		
Total Suspended Solids	2017-08	mg/L	**13.5**	**35**	< 1.88	< 1.88	< 1.88	< 1.88	**4.5**	< 1.88	**0.625 J**		
Total Suspended Solids	2017-11	mg/L										< 1.88	**12.8**
Total Suspended Solids	2018-03	mg/L	**14.3**	**28**	< 1.88	< 1.88	**1 J**	< 1.88	**7.75**	< 1.88	**0.625 J**	**1.63 J**	**9**
Total Suspended Solids	2018-06	mg/L										**1 J**	**9.75**
Total Suspended Solids	2018-08	mg/L	**10.4**	**35.5**	**0.75 J**	< 1.88		< 1.88	**4.62**	**0.75 J**			
Total Suspended Solids	2018-09	mg/L									< 1.88	**0.75 J**	**10.1**
Total Suspended Solids	2018-11	mg/L										**1 J**	**15.8**
Total Suspended Solids	2019-03	mg/L	**19**	**27.6**	**34.9**	< 1.88		< 1.88	**6.25**	**2.13**	**1.63 J**	**1.88**	
Total Suspended Solids	2019-04	mg/L											**12**
Total Suspended Solids	2019-08	mg/L	**13.3**	**31**	**0.75 J**	< 1.88	**5.13**	< 1.88	**14.6**	**2.25**	< 1.88	**1 J**	**10.9**
Total Suspended Solids	2020-03	mg/L	**14**	**26**	**1.75 J**	< 1.88	**4.62**	< 1.88	**2.38**	**1.5 J**	**3.13**	**1 J**	**13**
Total Suspended Solids	2020-04	mg/L											
Total Suspended Solids	2020-08	mg/L	**9.5**	**30**	< 1.88	**5.5**	**1.38 J**		**4.5**	**2.38**	< 1.88	< 1.88	**10.5**

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Total Suspended Solids	2021-03	mg/L				**64**								
Total Suspended Solids	2021-08	mg/L	**2.75**	**23.5**	< 1.88	**93**	**2.88**	**3.63**	**5.5**	**45.8**	**2.38**			**2**
Total Suspended Solids	2022-03	mg/L				**38.5**								
Total Suspended Solids	2022-08	mg/L	**1.25 J**	**19**	**1.75 J**	**48**	**3**	**5.5**	**7.88**	**41**	**2.5**			**3.5**
Total Suspended Solids	2023-03	mg/L				**33**								
Total Suspended Solids	2023-08	mg/L	< 1.88	**22.7**	**2.88**	**53**	**2.63**	**3.87**	**3.13**	**41.8**	**3.13**			**3**
Total Suspended Solids	2024-03	mg/L				**77**								
Total Suspended Solids	2024-08	mg/L	**4.75**	**22.5**	< 1.88	**61**	**3.63**	**3.4**	**5.2**	**33.5**	**4.25**			**2.13**
Total Suspended Solids	2025-03	mg/L				**32**								
Total Suspended Solids	2025-06	mg/L												
Total Suspended Solids	2025-08	mg/L	< 1.9	**28**	**5**	**84**	**3.38**	**3**	**1.38 J**	**38**	**3.38**			**2.25**
Toxaphene	2008-08	ug/L	< 0.54	< 0.53	< 0.47	< 0.47	< 0.52	< 0.53	< 0.54	< 0.56	< 0.53		< 0.53	
Toxaphene	2008-09	ug/L										< 2		< 2
Toxaphene	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toxaphene	2010-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00				< 2.00				
Toxaphene	2015-06	ug/L						< 2.17	< 2					
Toxaphene	2015-09	ug/L	< 2.22	< 2.22				< 2.25	< 2.04	< 2.22	< 2.2			
Toxaphene	2015-10	ug/L			< 2.33	< 2.27								
Toxaphene	2016-03	ug/L												
Toxaphene	2016-06	ug/L					< 2.27							
Toxaphene	2016-08	ug/L					< 2.11							
Toxaphene	2018-11	ug/L											< 2.25	
Toxaphene	2019-03	ug/L											< 2.33	
Toxaphene	2020-08	ug/L	< 2.35	< 2.44	< 2.35	< 2.35	< 2.35	< 2.35	< 2.44	< 2.35	< 2.44			
Toxaphene	2025-08	ug/L	< 1.81	< 1.79	< 1.89	< 1.76	< 1.81	< 1.88	< 1.94	< 1.79	< 1.9			
trans-1,2-Dichloroethene	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2009-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2009-07	ug/L	< 1	< 1	< 1	< 1		< 1	< 1.00	**1.09**	< 1			
trans-1,2-Dichloroethene	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
trans-1,2-Dichloroethene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
trans-1,2-Dichloroethene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
trans-1,2-Dichloroethene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**1.26**	< 1.00	< 1.00	< 1.00	< 1.00
trans-1,2-Dichloroethene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
trans-1,2-Dichloroethene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
trans-1,2-Dichloroethene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
trans-1,2-Dichloroethene	2013-03	ug/L	< 1.00	**0.280 J**	< 1	**0.438 J**	< 1	< 1	< 1	**0.86 J**	< 1.00	< 1	< 1	< 1
trans-1,2-Dichloroethene	2013-09	ug/L	< 1.00	**0.444 J**	< 1.00	**0.213 J**	< 1.00	< 1.00	< 1.00	**0.513 J**	< 1.00	< 1.00	< 1.00	< 1.00
trans-1,2-Dichloroethene	2013-11	ug/L												
trans-1,2-Dichloroethene	2014-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
trans-1,2-Dichloroethene	2014-06	ug/L												
trans-1,2-Dichloroethene	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2015-03	ug/L	< 1.00	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	**0.313 J**	< 1	< 1	< 1.00	< 1.00
trans-1,2-Dichloroethene	2015-06	ug/L						< 1	< 1					
trans-1,2-Dichloroethene	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
trans-1,2-Dichloroethene	2015-10	ug/L			< 1	< 1							< 1	< 1
trans-1,2-Dichloroethene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**1.03**	**0.352 J**	< 1	< 1	< 1
trans-1,2-Dichloroethene	2016-06	ug/L					< 1							
trans-1,2-Dichloroethene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.569 J**	**0.243 J**	< 1	< 1	< 1
trans-1,2-Dichloroethene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.329 J**	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2017-08	ug/L	< 1	< 1	< 1	**0.212 J**	< 1	< 1	< 1	**0.361 J**	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2017-11	ug/L												
trans-1,2-Dichloroethene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.368 J**	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2018-06	ug/L												
trans-1,2-Dichloroethene	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2018-09	ug/L							< 1	< 1				
trans-1,2-Dichloroethene	2018-11	ug/L											< 1	
trans-1,2-Dichloroethene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.306 J**	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2019-04	ug/L												
trans-1,2-Dichloroethene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.474 J**	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2020-03	ug/L		< 1		< 1	< 1	< 1	< 1	**0.598 J**	**0.277 J**	< 1	< 1	< 1
trans-1,2-Dichloroethene	2020-04	ug/L	< 1		< 1									
trans-1,2-Dichloroethene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.471 J**	< 1			< 1
trans-1,2-Dichloroethene	2021-03	ug/L				< 1								
trans-1,2-Dichloroethene	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	**0.359 J**	**0.412 J**			< 1
trans-1,2-Dichloroethene	2022-03	ug/L				< 1								
trans-1,2-Dichloroethene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
trans-1,2-Dichloroethene	2023-03	ug/L				< 1								
trans-1,2-Dichloroethene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
trans-1,2-Dichloroethene	2024-03	ug/L				< 1								
trans-1,2-Dichloroethene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.376 J**	< 1			< 1
trans-1,2-Dichloroethene	2025-03	ug/L				< 1								
trans-1,2-Dichloroethene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
trans-1,3-Dichloropropene	2008-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2009-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2009-07	ug/L	< 5	< 5	< 5	< 5		< 5	< 5.00	< 5.00	< 5			
trans-1,3-Dichloropropene	2009-09	ug/L	< 5.00	< 5	< 5.00	< 25.0		< 5	< 5	< 5	< 5			
trans-1,3-Dichloropropene	2010-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
trans-1,3-Dichloropropene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 5.00	< 5.00	< 5.00	< 10.0	< 5.00	< 5.00	< 5.00	< 5.00
trans-1,3-Dichloropropene	2011-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
trans-1,3-Dichloropropene	2011-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
trans-1,3-Dichloropropene	2012-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
trans-1,3-Dichloropropene	2012-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
trans-1,3-Dichloropropene	2013-03	ug/L	< 5.00	< 5.00	< 5	< 5	< 5	< 5	< 5	< 5	< 5.00	< 5	< 5	< 5
trans-1,3-Dichloropropene	2013-09	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
trans-1,3-Dichloropropene	2013-11	ug/L												
trans-1,3-Dichloropropene	2014-03	ug/L	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
trans-1,3-Dichloropropene	2014-06	ug/L												

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Total Suspended Solids	2021-03	mg/L	**17.7**		< 1.88	< 1.88							**11**
Total Suspended Solids	2021-08	mg/L	**9.88**	**31.5**	< 1.88	< 1.88	**0.75 J**		**2.63**	**1.63 J**	< 1.88	**8.25**	**10.9**
Total Suspended Solids	2022-03	mg/L	**8.63**		**0.875 J**	< 1.88							**10.4**
Total Suspended Solids	2022-08	mg/L	**9.67**	**28**	< 1.88	< 1.88	< 1.88		**2.63**	< 1.88	< 1.88	**1.38 J**	**12**
Total Suspended Solids	2023-03	mg/L	**9**		< 1.88	< 1.88							**11**
Total Suspended Solids	2023-08	mg/L	**13.5**	**17.3**	< 1.88	< 1.88	< 1.88		**2.25**	**0.75 J**	**0.875 J**	**1.38 J**	**11.3**
Total Suspended Solids	2024-03	mg/L	**11.8**		< 1.88	**0.75 J**							**10**
Total Suspended Solids	2024-08	mg/L	**12.3**	**23.5**	< 1.88	< 1.88	< 1.88		**2.88**	**1.75 J**	< 1.88	< 1.88	**10.8**
Total Suspended Solids	2025-03	mg/L	**14.8**		< 1.88	< 1.88							**7.67**
Total Suspended Solids	2025-06	mg/L	**10.3**										
Total Suspended Solids	2025-08	mg/L	**13**	**20.3**	**2**	< 1.88	< 1.88		**11.6**	< 1.9	**3.87**	**2.88**	**10.3**
Toxaphene	2008-08	ug/L	< 0.47	< 0.53									
Toxaphene	2008-09	ug/L			< 2								
Toxaphene	2009-03	ug/L	< 2	< 2	< 2								
Toxaphene	2010-09	ug/L	< 2.00	< 2.00	< 2.00								
Toxaphene	2015-06	ug/L											
Toxaphene	2015-09	ug/L	< 2.15	< 2.2	< 2.2								
Toxaphene	2015-10	ug/L				< 2.27							
Toxaphene	2016-03	ug/L			< 2.13	< 2.22							
Toxaphene	2016-06	ug/L											
Toxaphene	2016-08	ug/L			< 2.22	< 2.04							
Toxaphene	2018-11	ug/L											
Toxaphene	2019-03	ug/L											
Toxaphene	2020-08	ug/L	< 2.35	< 2.44	< 2.44	< 2.35							
Toxaphene	2025-08	ug/L	< 1.91	< 1.91	< 1.79	< 1.8							
trans-1,2-Dichloroethene	2008-08	ug/L	< 1	< 1	< 1								
trans-1,2-Dichloroethene	2009-03	ug/L	< 1	< 1	< 1								
trans-1,2-Dichloroethene	2009-07	ug/L	< 1	< 1									
trans-1,2-Dichloroethene	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
trans-1,2-Dichloroethene	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
trans-1,2-Dichloroethene	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
trans-1,2-Dichloroethene	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
trans-1,2-Dichloroethene	2011-09	ug/L	< 1.00	< 1.00	< 1.00								
trans-1,2-Dichloroethene	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
trans-1,2-Dichloroethene	2012-09	ug/L	< 1.00	< 1.00	< 1.00								
trans-1,2-Dichloroethene	2013-03	ug/L	< 1	< 1	< 1.00								
trans-1,2-Dichloroethene	2013-09	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
trans-1,2-Dichloroethene	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
trans-1,2-Dichloroethene	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
trans-1,2-Dichloroethene	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
trans-1,2-Dichloroethene	2014-09	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
trans-1,2-Dichloroethene	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
trans-1,2-Dichloroethene	2015-06	ug/L											
trans-1,2-Dichloroethene	2015-09	ug/L	< 1	< 1	< 1								
trans-1,2-Dichloroethene	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
trans-1,2-Dichloroethene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
trans-1,2-Dichloroethene	2016-06	ug/L											
trans-1,2-Dichloroethene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
trans-1,2-Dichloroethene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
trans-1,2-Dichloroethene	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
trans-1,2-Dichloroethene	2017-11	ug/L										< 1	< 1
trans-1,2-Dichloroethene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2018-06	ug/L										< 1	< 1
trans-1,2-Dichloroethene	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
trans-1,2-Dichloroethene	2018-09	ug/L									< 1	< 1	< 1
trans-1,2-Dichloroethene	2018-11	ug/L										< 1	< 1
trans-1,2-Dichloroethene	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
trans-1,2-Dichloroethene	2019-04	ug/L											< 1
trans-1,2-Dichloroethene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2020-04	ug/L											
trans-1,2-Dichloroethene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2021-03	ug/L	< 1		< 1	< 1							< 1
trans-1,2-Dichloroethene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2022-03	ug/L	< 1		< 1	< 1							< 1
trans-1,2-Dichloroethene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2023-03	ug/L	< 1		< 1	< 1							< 1
trans-1,2-Dichloroethene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2024-03	ug/L	< 1		< 1	< 1							< 1
trans-1,2-Dichloroethene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	2025-03	ug/L	< 1		< 1	< 1							< 1
trans-1,2-Dichloroethene	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	2008-08	ug/L	< 5	< 5	< 5								
trans-1,3-Dichloropropene	2009-03	ug/L	< 5	< 5	< 5								
trans-1,3-Dichloropropene	2009-07	ug/L	< 5	< 5									
trans-1,3-Dichloropropene	2009-09	ug/L	< 5.00	< 5.00	< 5.00								
trans-1,3-Dichloropropene	2010-03	ug/L	< 5.00	< 5.00	< 5.00								
trans-1,3-Dichloropropene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
trans-1,3-Dichloropropene	2011-03	ug/L	< 5.00	< 5.00	< 5.00								
trans-1,3-Dichloropropene	2011-09	ug/L	< 5.00	< 5.00	< 5.00								
trans-1,3-Dichloropropene	2012-03	ug/L	< 5.00	< 5.00	< 5.00								
trans-1,3-Dichloropropene	2012-09	ug/L	< 5.00	< 5.00	< 5.00								
trans-1,3-Dichloropropene	2013-03	ug/L	< 5	< 5	< 5.00								
trans-1,3-Dichloropropene	2013-09	ug/L	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
trans-1,3-Dichloropropene	2013-11	ug/L					< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
trans-1,3-Dichloropropene	2014-03	ug/L	< 5.00	< 5.00	< 5.00		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
trans-1,3-Dichloropropene	2014-06	ug/L					< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	2014-09	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2015-03	ug/L	< 5.00	< 5	< 5.00	< 5.00	< 5	< 5	< 5.00	< 5.00	< 5	< 5	< 5.00	< 5.00
trans-1,3-Dichloropropene	2015-06	ug/L						< 5	< 5					
trans-1,3-Dichloropropene	2015-09	ug/L	< 5	< 5			< 5	< 5	< 5	< 5	< 5	< 5		
trans-1,3-Dichloropropene	2015-10	ug/L			< 5	< 5							< 5	< 5
trans-1,3-Dichloropropene	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2016-06	ug/L					< 5							
trans-1,3-Dichloropropene	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2017-11	ug/L												
trans-1,3-Dichloropropene	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2018-06	ug/L												
trans-1,3-Dichloropropene	2018-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2018-09	ug/L							< 5	< 5				
trans-1,3-Dichloropropene	2018-11	ug/L											< 5	
trans-1,3-Dichloropropene	2019-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2019-04	ug/L												
trans-1,3-Dichloropropene	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2020-03	ug/L		< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2020-04	ug/L	< 5		< 5									
trans-1,3-Dichloropropene	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
trans-1,3-Dichloropropene	2021-03	ug/L				< 5								
trans-1,3-Dichloropropene	2021-08	ug/L	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
trans-1,3-Dichloropropene	2022-03	ug/L				< 5								
trans-1,3-Dichloropropene	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
trans-1,3-Dichloropropene	2023-03	ug/L				< 5								
trans-1,3-Dichloropropene	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
trans-1,3-Dichloropropene	2024-03	ug/L				< 5								
trans-1,3-Dichloropropene	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
trans-1,3-Dichloropropene	2025-03	ug/L				< 5								
trans-1,3-Dichloropropene	2025-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5			< 5
trans-1,4-Dichloro-2-butene	2008-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2009-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2009-07	ug/L	< 10	< 10	< 10	< 10		< 10	< 10.0	< 10.0	< 10			
trans-1,4-Dichloro-2-butene	2009-09	ug/L	< 10.0	< 10	< 10.0	< 50.0		< 10	< 10	< 10	< 10			
trans-1,4-Dichloro-2-butene	2010-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2010-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2011-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2011-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2012-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2012-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2013-03	ug/L	< 10.0	< 10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10.0	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2013-09	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2013-11	ug/L												
trans-1,4-Dichloro-2-butene	2014-03	ug/L	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2014-06	ug/L												
trans-1,4-Dichloro-2-butene	2014-09	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2015-03	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0
trans-1,4-Dichloro-2-butene	2015-06	ug/L						< 10	< 10					
trans-1,4-Dichloro-2-butene	2015-09	ug/L	< 10	< 10			< 10	< 10	< 10	< 10	< 10	< 10		
trans-1,4-Dichloro-2-butene	2015-10	ug/L			< 10	< 10							< 10	< 10
trans-1,4-Dichloro-2-butene	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**8.06 J**	< 10	< 10
trans-1,4-Dichloro-2-butene	2016-06	ug/L					< 10							
trans-1,4-Dichloro-2-butene	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2017-11	ug/L												
trans-1,4-Dichloro-2-butene	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2018-06	ug/L												
trans-1,4-Dichloro-2-butene	2018-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2018-09	ug/L							< 10	< 10				
trans-1,4-Dichloro-2-butene	2018-11	ug/L											< 10	
trans-1,4-Dichloro-2-butene	2019-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2019-04	ug/L												
trans-1,4-Dichloro-2-butene	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2020-03	ug/L		< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2020-04	ug/L	< 10		< 10									
trans-1,4-Dichloro-2-butene	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
trans-1,4-Dichloro-2-butene	2021-03	ug/L				< 10								
trans-1,4-Dichloro-2-butene	2021-08	ug/L	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
trans-1,4-Dichloro-2-butene	2022-03	ug/L				< 10								
trans-1,4-Dichloro-2-butene	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
trans-1,4-Dichloro-2-butene	2023-03	ug/L				< 10								
trans-1,4-Dichloro-2-butene	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
trans-1,4-Dichloro-2-butene	2024-03	ug/L				< 10								
trans-1,4-Dichloro-2-butene	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
trans-1,4-Dichloro-2-butene	2025-03	ug/L				< 10								
trans-1,4-Dichloro-2-butene	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Trichloroethene	2008-08	ug/L	< 1	< 1	< 1	**1.97**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2009-03	ug/L	< 1	< 1	< 1	**1.73**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2009-07	ug/L	< 1	< 1	< 1	**1.7**		< 1	< 1.00	< 1.00	< 1			
Trichloroethene	2009-09	ug/L	< 1.00	< 1	< 1.00	< 5.00		< 1	< 1	< 1	< 1			
Trichloroethene	2010-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Trichloroethene	2010-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Trichloroethene	2011-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Trichloroethene	2011-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
trans-1,3-Dichloropropene	2014-09	ug/L	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5		
trans-1,3-Dichloropropene	2015-03	ug/L	< 5.00	< 5.00	< 5		< 5.00	< 5.00	< 5.00	< 5.00	< 5.00		
trans-1,3-Dichloropropene	2015-06	ug/L											
trans-1,3-Dichloropropene	2015-09	ug/L	< 5	< 5	< 5								
trans-1,3-Dichloropropene	2015-10	ug/L				< 5	< 5	< 5		< 5	< 5		
trans-1,3-Dichloropropene	2016-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
trans-1,3-Dichloropropene	2016-06	ug/L											
trans-1,3-Dichloropropene	2016-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
trans-1,3-Dichloropropene	2017-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
trans-1,3-Dichloropropene	2017-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5		
trans-1,3-Dichloropropene	2017-11	ug/L										< 5	< 5
trans-1,3-Dichloropropene	2018-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2018-06	ug/L										< 5	< 5
trans-1,3-Dichloropropene	2018-08	ug/L	< 5	< 5	< 5	< 5		< 5		< 5			
trans-1,3-Dichloropropene	2018-09	ug/L									< 5	< 5	< 5
trans-1,3-Dichloropropene	2018-11	ug/L										< 5	< 5
trans-1,3-Dichloropropene	2019-03	ug/L	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5	
trans-1,3-Dichloropropene	2019-04	ug/L											< 5
trans-1,3-Dichloropropene	2019-08	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2020-03	ug/L	< 5	< 5	< 5	< 5	< 5	< 5		< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2020-04	ug/L											
trans-1,3-Dichloropropene	2020-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2021-03	ug/L	< 5		< 5	< 5							< 5
trans-1,3-Dichloropropene	2021-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2022-03	ug/L	< 5		< 5	< 5							< 5
trans-1,3-Dichloropropene	2022-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2023-03	ug/L	< 5		< 5	< 5							< 5
trans-1,3-Dichloropropene	2023-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2024-03	ug/L	< 5		< 5	< 5							< 5
trans-1,3-Dichloropropene	2024-08	ug/L	< 5	< 5	< 5	< 5	< 5			< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	2025-03	ug/L	< 5		< 5	< 5							< 5
trans-1,3-Dichloropropene	2025-08	ug/L	< 5	< 5	< 5 J	< 5	< 5			< 5	< 5	< 5	< 5
trans-1,4-Dichloro-2-butene	2008-08	ug/L	< 10	< 10	< 10								
trans-1,4-Dichloro-2-butene	2009-03	ug/L	< 10	< 10	< 10								
trans-1,4-Dichloro-2-butene	2009-07	ug/L	< 10	< 10									
trans-1,4-Dichloro-2-butene	2009-09	ug/L	< 10.0	< 10.0	< 10.0								
trans-1,4-Dichloro-2-butene	2010-03	ug/L	< 10.0	< 10.0	< 10.0								
trans-1,4-Dichloro-2-butene	2010-09	ug/L	< 10.0	< 10.0	< 10.0								
trans-1,4-Dichloro-2-butene	2011-03	ug/L	< 10.0	< 10.0	< 10.0								
trans-1,4-Dichloro-2-butene	2011-09	ug/L	< 10.0	< 10.0	< 10.0								
trans-1,4-Dichloro-2-butene	2012-03	ug/L	< 10.0	< 10.0	< 10.0								
trans-1,4-Dichloro-2-butene	2012-09	ug/L	< 10.0	< 10.0	< 10.0								
trans-1,4-Dichloro-2-butene	2013-03	ug/L	< 10	< 10	< 10.0								
trans-1,4-Dichloro-2-butene	2013-09	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
trans-1,4-Dichloro-2-butene	2013-11	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
trans-1,4-Dichloro-2-butene	2014-03	ug/L	< 10.0	< 10.0	< 10.0		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
trans-1,4-Dichloro-2-butene	2014-06	ug/L					< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
trans-1,4-Dichloro-2-butene	2014-09	ug/L	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10		
trans-1,4-Dichloro-2-butene	2015-03	ug/L	< 10.0	< 10.0	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
trans-1,4-Dichloro-2-butene	2015-06	ug/L											
trans-1,4-Dichloro-2-butene	2015-09	ug/L	< 10	< 10	< 10								
trans-1,4-Dichloro-2-butene	2015-10	ug/L				< 10	< 10	< 10		< 10	< 10		
trans-1,4-Dichloro-2-butene	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
trans-1,4-Dichloro-2-butene	2016-06	ug/L											
trans-1,4-Dichloro-2-butene	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
trans-1,4-Dichloro-2-butene	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
trans-1,4-Dichloro-2-butene	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
trans-1,4-Dichloro-2-butene	2017-11	ug/L										< 10	< 10
trans-1,4-Dichloro-2-butene	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2018-06	ug/L										< 10	< 10
trans-1,4-Dichloro-2-butene	2018-08	ug/L	< 10	< 10	< 10	< 10		< 10		< 10			
trans-1,4-Dichloro-2-butene	2018-09	ug/L									< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2018-11	ug/L										< 10	< 10
trans-1,4-Dichloro-2-butene	2019-03	ug/L	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	
trans-1,4-Dichloro-2-butene	2019-04	ug/L											< 10
trans-1,4-Dichloro-2-butene	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2020-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2020-04	ug/L											
trans-1,4-Dichloro-2-butene	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2021-03	ug/L	< 10		< 10	< 10							< 10
trans-1,4-Dichloro-2-butene	2021-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2022-03	ug/L	< 10		< 10	< 10							< 10
trans-1,4-Dichloro-2-butene	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2023-03	ug/L	< 10		< 10	< 10							< 10
trans-1,4-Dichloro-2-butene	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2024-03	ug/L	< 10		< 10	< 10							< 10
trans-1,4-Dichloro-2-butene	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
trans-1,4-Dichloro-2-butene	2025-03	ug/L	< 10		< 10	< 10							< 10
trans-1,4-Dichloro-2-butene	2025-08	ug/L	< 10	< 10	< 10 J	< 10	< 10			< 10	< 10	< 10	< 10
Trichloroethene	2008-08	ug/L	< 1	< 1	< 1								
Trichloroethene	2009-03	ug/L	< 1	< 1	< 1								
Trichloroethene	2009-07	ug/L	< 1	< 1									
Trichloroethene	2009-09	ug/L	< 1.00	< 1.00	< 1.00								
Trichloroethene	2010-03	ug/L	< 1.00	< 1.00	< 1.00								
Trichloroethene	2010-09	ug/L	< 1.00	< 1.00	< 1.00								
Trichloroethene	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
Trichloroethene	2011-09	ug/L	< 1.00	< 1.00	< 1.00								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2012-03	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Trichloroethene	2012-09	ug/L	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Trichloroethene	2013-03	ug/L	< 1.00	< 1.00	< 1	**0.704 J**	< 1	< 1	< 1	**0.369 J**	< 1.00	< 1	< 1	< 1
Trichloroethene	2013-09	ug/L	< 1.00	< 1.00	< 1.00	**0.249 J**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Trichloroethene	2013-11	ug/L												
Trichloroethene	2014-03	ug/L	< 1.00	**0.383 J**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Trichloroethene	2014-06	ug/L												
Trichloroethene	2014-09	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2015-03	ug/L	< 1.00	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00	< 1	< 1	< 1.00	< 1.00
Trichloroethene	2015-06	ug/L						< 1	< 1					
Trichloroethene	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
Trichloroethene	2015-10	ug/L			< 1	< 1							< 1	< 1
Trichloroethene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2016-06	ug/L					< 1							
Trichloroethene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2017-11	ug/L												
Trichloroethene	2018-03	ug/L	< 1	< 1	< 1	**0.225 J**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2018-06	ug/L												
Trichloroethene	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Trichloroethene	2018-09	ug/L							< 1	< 1				
Trichloroethene	2018-11	ug/L											< 1	
Trichloroethene	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.611 J**	< 1
Trichloroethene	2019-04	ug/L												
Trichloroethene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2020-03	ug/L		< 1		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	2020-04	ug/L	< 1		< 1									
Trichloroethene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Trichloroethene	2021-03	ug/L				< 1								
Trichloroethene	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Trichloroethene	2022-03	ug/L				< 1								
Trichloroethene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Trichloroethene	2023-03	ug/L				< 1								
Trichloroethene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Trichloroethene	2024-03	ug/L				< 1								
Trichloroethene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Trichloroethene	2025-03	ug/L				< 1								
Trichloroethene	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Vanadium	2008-08	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Vanadium	2009-03	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Vanadium	2009-07	mg/L	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Vanadium	2009-09	mg/L	< 0.0500	< 0.05		< 0.0500		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Vanadium	2010-03	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Vanadium	2010-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Vanadium	2011-03	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Vanadium	2011-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Vanadium	2012-03	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Vanadium	2012-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Vanadium	2013-03	mg/L	< 0.0500	**0.00627 J**	< 0.05	**0.00318 J**	< 0.05	< 0.05	< 0.05	< 0.05	< 0.0500	< 0.05	< 0.05	< 0.05
Vanadium	2013-09	mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Vanadium	2013-11	mg/L												
Vanadium	2014-03	mg/L	< 0.0500	< 0.100	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.100	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Vanadium	2014-06	mg/L												
Vanadium	2014-09	mg/L	**0.000813 J**	**0.000995 J**	< 0.005	**0.000599 J**	< 0.005	**0.000564 J**	**0.000585 J**	**0.00161 J**	< 0.005	< 0.005	< 0.005	< 0.005
Vanadium	2015-03	mg/L	**0.000636 J**	**0.00193 J**	< 0.00500	**0.000467 J**	< 0.005	**0.000753 J**	**0.000653 J**	**0.00160 J**	< 0.005	< 0.005	< 0.00500	< 0.00500
Vanadium	2015-06	mg/L						**0.000656 J**	< 0.005					
Vanadium	2015-09	mg/L	**0.000604 J**	**0.00143 J**			< 0.005	**0.000554 J**	< 0.005	**0.00103 J**	< 0.005	< 0.005		
Vanadium	2015-10	mg/L			< 0.005	**0.000846 J**							< 0.005	< 0.005
Vanadium	2016-03	mg/L	**0.000467 J**	**0.00181 J**	< 0.005	**0.000884 J**	< 0.005	**0.000877 J**	< 0.005	**0.00126 J**	< 0.005	< 0.005	< 0.005	< 0.005
Vanadium	2016-06	mg/L					< 0.005							
Vanadium	2016-08	mg/L	**0.000708 J**	**0.00137 J**	**0.000267 J**	**0.00169 J**	< 0.005	**0.00043 J**	**0.000274 J**	**0.00107 J**	< 0.005	< 0.005	< 0.005	< 0.005
Vanadium	2017-03	mg/L	< 0.005	**0.0014 J**	< 0.005	**0.00157 J**	< 0.005	< 0.005	< 0.005	**0.00154 J**	< 0.005	< 0.005	< 0.005	< 0.005
Vanadium	2017-08	mg/L	< 0.005	**0.00104 J**	< 0.005	**0.000881 J**	< 0.005	< 0.005	< 0.005	**0.00122 J**	< 0.005	< 0.005	< 0.005	< 0.005
Vanadium	2017-11	mg/L												
Vanadium	2018-03	mg/L	< 0.005	**0.00192 J**	< 0.005	< 0.005	< 0.005	**0.00108 J**	< 0.005	**0.00146 J**	< 0.005	< 0.005	**0.000971 J**	< 0.005
Vanadium	2018-06	mg/L												
Vanadium	2018-08	mg/L	**0.000534 J**	**0.00153 J**	< 0.005	**0.000974 J**	< 0.005	**0.000854 J**			< 0.005	< 0.005	**0.000558 J**	< 0.005
Vanadium	2018-09	mg/L							< 0.005	**0.00111 J**				
Vanadium	2018-11	mg/L											< 0.005	
Vanadium	2019-03	mg/L	< 0.005	**0.00136 J**	< 0.005	**0.00105 J**	< 0.005	**0.00087 J**	< 0.005	**0.00133 J**	< 0.005	< 0.005	< 0.005	< 0.005
Vanadium	2019-04	mg/L												
Vanadium	2019-08	mg/L	< 0.005	**0.00113 J**	< 0.005	**0.00159 J**	< 0.005	< 0.005	< 0.005	**0.00141 J**	< 0.005	< 0.005	< 0.005	< 0.005
Vanadium	2020-03	mg/L		**0.00245 J**		**0.00135 J**	< 0.02	< 0.005	< 0.02	**0.00147 J**	< 0.005	< 0.005	< 0.005	< 0.005
Vanadium	2020-04	mg/L	< 0.005		< 0.005									
Vanadium	2020-08	mg/L	< 0.005	**0.000966 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005
Vanadium	2021-03	mg/L				**0.00129 J**								
Vanadium	2021-08	mg/L	< 0.005	**0.00183 J**	< 0.005	**0.00137 J**	< 0.005	< 0.005	< 0.005	**0.0015 J**	< 0.005			< 0.005
Vanadium	2022-03	mg/L				< 0.005								
Vanadium	2022-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00122 J**	< 0.005			< 0.005
Vanadium	2023-03	mg/L				< 0.005								
Vanadium	2023-08	mg/L	< 0.005	**0.00183 J**	< 0.005	< 0.005	< 0.005	**0.00116 J**	< 0.005	**0.00164 J**	< 0.005			< 0.005
Vanadium	2024-03	mg/L				< 0.005								
Vanadium	2024-08	mg/L	< 0.005	**0.0012 J**	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.00114 J**	< 0.005			< 0.005
Vanadium	2025-03	mg/L				< 0.005								
Vanadium	2025-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005
Vinyl Acetate	2008-08	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**
Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Trichloroethene	2012-03	ug/L	< 1.00	< 1.00	< 1.00								
Trichloroethene	2012-09	ug/L	< 1.00	< 1.00	< 1.00								
Trichloroethene	2013-03	ug/L	< 1	< 1	< 1.00								
Trichloroethene	2013-09	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Trichloroethene	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Trichloroethene	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Trichloroethene	2014-06	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Trichloroethene	2014-09	ug/L	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1		
Trichloroethene	2015-03	ug/L	< 1.00	< 1.00	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Trichloroethene	2015-06	ug/L											
Trichloroethene	2015-09	ug/L	< 1	< 1	< 1								
Trichloroethene	2015-10	ug/L				< 1	< 1	< 1		< 1	< 1		
Trichloroethene	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Trichloroethene	2016-06	ug/L											
Trichloroethene	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Trichloroethene	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Trichloroethene	2017-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Trichloroethene	2017-11	ug/L										< 1	< 1
Trichloroethene	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Trichloroethene	2018-06	ug/L										< 1	< 1
Trichloroethene	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
Trichloroethene	2018-09	ug/L									< 1	< 1	< 1
Trichloroethene	2018-11	ug/L										< 1	< 1
Trichloroethene	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
Trichloroethene	2019-04	ug/L											< 1
Trichloroethene	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Trichloroethene	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Trichloroethene	2020-04	ug/L											
Trichloroethene	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Trichloroethene	2021-03	ug/L	< 1		< 1	< 1							< 1
Trichloroethene	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Trichloroethene	2022-03	ug/L	< 1		< 1	< 1							< 1
Trichloroethene	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Trichloroethene	2023-03	ug/L	< 1		< 1	< 1							< 1
Trichloroethene	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Trichloroethene	2024-03	ug/L	< 1		< 1	< 1							< 1
Trichloroethene	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Trichloroethene	2025-03	ug/L	< 1		< 1	< 1							< 1
Trichloroethene	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
Vanadium	2008-08	mg/L	< 0.05	< 0.05	< 0.05								
Vanadium	2009-03	mg/L	< 0.05	< 0.05	< 0.05								
Vanadium	2009-07	mg/L	< 0.05	< 0.05	< 0.05								
Vanadium	2009-09	mg/L	< 0.0500	< 0.0500	< 0.0500								
Vanadium	2010-03	mg/L	< 0.0500	< 0.0500	< 0.0500								
Vanadium	2010-09	mg/L	< 0.0500	< 0.0500	< 0.0500								
Vanadium	2011-03	mg/L	< 0.0500	< 0.0500	< 0.0500								
Vanadium	2011-09	mg/L	< 0.0500	< 0.0500	< 0.0500								
Vanadium	2012-03	mg/L	< 0.0500	< 0.0500	< 0.0500								
Vanadium	2012-09	mg/L	< 0.0500	< 0.0500	< 0.0500								
Vanadium	2013-03	mg/L	< 0.05	< 0.05	< 0.0500								
Vanadium	2013-09	mg/L	< 0.0500	< 0.0500	< 0.0500	~~0.00473 J~~	**0.00468 J**	< 0.0500	**0.00301 J**	**0.00284 J**	< 0.0500		
Vanadium	2013-11	mg/L				~~0.00558 J~~	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500		
Vanadium	2014-03	mg/L	< 0.0500	< 0.0500	< 0.0500	~~0.00343 J~~	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500		
Vanadium	2014-06	mg/L				~~< 0.0500~~	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500		
Vanadium	2014-09	mg/L	< 0.005	**0.000544 J**	**0.000489 J**	~~0.00284 J~~	**0.000976 J**	**0.000514 J**	**0.00047 J**	**0.000954 J**	**0.000518 J**		
Vanadium	2015-03	mg/L	< 0.00500	< 0.00500	< 0.005	~~0.00237 J~~	**0.00293 J**	**0.00104 J**	< 0.00500	**0.000987 J**	< 0.00500		
Vanadium	2015-06	mg/L											
Vanadium	2015-09	mg/L	**0.000473 J**	< 0.005	< 0.005								
Vanadium	2015-10	mg/L				< 0.005	**0.000859 J**	**0.000462 J**		**0.000961 J**	< 0.005		
Vanadium	2016-03	mg/L	**0.000313 J**	**0.000293 J**	< 0.005	< 0.005	**0.000487 J**	**0.000421 J**		**0.000773 J**	< 0.005		
Vanadium	2016-06	mg/L											
Vanadium	2016-08	mg/L	< 0.005	**0.000522 J**	< 0.005	< 0.005	**0.000556 J**	**0.000528 J**		**0.00068 J**	< 0.005		
Vanadium	2017-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		**0.000959 J**	< 0.005		
Vanadium	2017-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005		
Vanadium	2017-11	mg/L										< 0.005	< 0.005
Vanadium	2018-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.000955 J**		**0.00102 J**	< 0.005	< 0.005	< 0.005
Vanadium	2018-06	mg/L										< 0.005	< 0.005
Vanadium	2018-08	mg/L	< 0.005	**0.000818 J**	< 0.005	< 0.005		**0.000646 J**		**0.000728 J**			
Vanadium	2018-09	mg/L									< 0.005	< 0.005	< 0.005
Vanadium	2018-11	mg/L										< 0.005	< 0.005
Vanadium	2019-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
Vanadium	2019-04	mg/L											< 0.005
Vanadium	2019-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		< 0.005	< 0.005	< 0.005	< 0.005
Vanadium	2020-03	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.00129 J**	**0.000829 J**		**0.00102 J**	< 0.005	< 0.005	< 0.005
Vanadium	2020-04	mg/L											
Vanadium	2020-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	**0.00109 J**			< 0.005	< 0.005	< 0.005	< 0.005
Vanadium	2021-03	mg/L	< 0.005		< 0.005	< 0.005							< 0.005
Vanadium	2021-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			**0.00176 J**	< 0.005	< 0.005	< 0.005
Vanadium	2022-03	mg/L	< 0.005		< 0.005	< 0.005							< 0.005
Vanadium	2022-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Vanadium	2023-03	mg/L	< 0.005		< 0.005	< 0.005							< 0.005
Vanadium	2023-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			**0.00122 J**	< 0.005	< 0.005	< 0.005
Vanadium	2024-03	mg/L	< 0.005		< 0.005	< 0.005							< 0.005
Vanadium	2024-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Vanadium	2025-03	mg/L	< 0.005		< 0.005	< 0.005							< 0.005
Vanadium	2025-08	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005			< 0.005	< 0.005	< 0.005	< 0.005
Vinyl Acetate	2008-08	ug/L	< 2	< 2	< 2								

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	2009-03	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Acetate	2009-07	ug/L	< 2	< 2	< 2	< 2		< 2	< 2.00	< 2.00	< 2			
Vinyl Acetate	2009-09	ug/L	< 2.00	< 2	< 2.00	< 10.0		< 2	< 2	< 2	< 2			
Vinyl Acetate	2010-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Vinyl Acetate	2010-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Vinyl Acetate	2011-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Vinyl Acetate	2011-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Vinyl Acetate	2012-03	ug/L	< 2.00	< 2.00	< 10.0	< 10.0	< 2.00	< 2.00	< 10.0	< 10.0	< 2.00	< 2.00	< 10.0	< 10.0
Vinyl Acetate	2012-09	ug/L	< 4.00	< 4.00	< 10.0	< 10.0	< 10.0	< 4.00	< 10.0	< 10.0	< 4.00	< 4.00	< 4.00	< 4.00
Vinyl Acetate	2013-03	ug/L	< 2.00	< 2.00	< 2	< 2	< 2	< 2	< 2	< 2	< 2.00	< 2	< 2	< 2
Vinyl Acetate	2013-09	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Vinyl Acetate	2013-11	ug/L												
Vinyl Acetate	2014-03	ug/L	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Vinyl Acetate	2014-06	ug/L												
Vinyl Acetate	2014-09	ug/L	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Acetate	2015-03	ug/L	< 10.0	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0	< 10	< 10	< 10.0	< 10.0
Vinyl Acetate	2015-06	ug/L						< 10	< 10					
Vinyl Acetate	2015-09	ug/L	< 10	< 10			< 10	< 10	< 10	< 10	< 10	< 10		
Vinyl Acetate	2015-10	ug/L			< 10	< 10							< 10	< 10
Vinyl Acetate	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2016-06	ug/L					< 10							
Vinyl Acetate	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2017-11	ug/L												
Vinyl Acetate	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2018-06	ug/L												
Vinyl Acetate	2018-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Vinyl Acetate	2018-09	ug/L							< 10	< 10				
Vinyl Acetate	2018-11	ug/L											< 10	
Vinyl Acetate	2019-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2019-04	ug/L												
Vinyl Acetate	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2020-03	ug/L		< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Acetate	2020-04	ug/L	< 10		< 10									
Vinyl Acetate	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Vinyl Acetate	2021-03	ug/L				< 10								
Vinyl Acetate	2021-08	ug/L	< 10	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Vinyl Acetate	2022-03	ug/L				< 10								
Vinyl Acetate	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Vinyl Acetate	2023-03	ug/L				< 10								
Vinyl Acetate	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Vinyl Acetate	2024-03	ug/L				< 10								
Vinyl Acetate	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Vinyl Acetate	2025-03	ug/L				< 10								
Vinyl Acetate	2025-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			< 10
Vinyl Chloride	2008-08	ug/L	< 1	< 1	< 1	**4.36**	< 1	< 1	< 1	< 1	**1.58**	< 1	< 1	< 1
Vinyl Chloride	2009-03	ug/L	< 1	**0.84 J**	< 1	**4.92**	< 1	**0.39 J**	< 0.26	**0.6 J**	**0.67 J**	< 0.26	< 0.26	< 0.26
Vinyl Chloride	2009-07	ug/L	< 0.26	**0.76 J**	< 0.26	< 0.26		< 0.26	< 0.260	**0.600 J**	< 0.26			
Vinyl Chloride	2009-09	ug/L	< 1.00	**0.75 J**	< 1.00	< 5.00		< 0.24	< 0.24	**0.84 J**	**0.53 J**			
Vinyl Chloride	2010-03	ug/L	**0.330 J**	**0.650 J**	< 0.240	**3.26**	< 0.240	**0.240 J**	< 0.240	**0.560 J**	**0.660 J**	< 0.240	< 0.240	< 0.240
Vinyl Chloride	2010-09	ug/L	< 0.240	**0.580 J**	< 0.240	**2.02**	< 1.00	< 1.00	< 1.00	**0.790 J**	< 1.00	< 1.00	< 1.00	< 1.00
Vinyl Chloride	2011-03	ug/L	< 1.00	< 1.00	< 1.00	**2.49**	< 0.100	**0.230 J**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Vinyl Chloride	2011-09	ug/L	< 0.100	**0.740 J**	< 0.100	**1.23**	< 0.100	**0.120 J**	< 0.100	**0.270 J**	**0.200 J**	< 0.100	< 0.100	< 0.100
Vinyl Chloride	2012-03	ug/L	< 0.100	**0.620**	< 0.100	**1.47**	< 0.100	< 0.100	< 0.100	**0.360**	< 0.100	< 0.100	< 0.100	< 0.100
Vinyl Chloride	2012-09	ug/L	< 0.100	< 1.00	< 0.100	**1.86**	< 0.100	**0.240**	**0.130**	**0.250**	< 0.100	< 0.100	< 0.100	< 0.100
Vinyl Chloride	2013-03	ug/L	< 1.00	**0.216 J**	< 1	**1.54**	< 1	< 1	**0.119 J**	**0.481 J**	< 1.00	< 1	< 1	< 1
Vinyl Chloride	2013-09	ug/L	< 1.00	**0.562 J**	< 1.00	**1.28**	< 1.00	**0.214 J**	**0.139 J**	**0.448 J**	**0.333 J**	< 1.00	< 1.00	< 1.00
Vinyl Chloride	2013-11	ug/L												
Vinyl Chloride	2014-03	ug/L	< 1.00	**0.544 J**	< 1.00	< 1.00	< 1.00	**0.152 J**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Vinyl Chloride	2014-06	ug/L												
Vinyl Chloride	2014-09	ug/L	< 1	< 1	< 1	**0.831 J**	< 1	**0.195 J**	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Chloride	2015-03	ug/L	< 1.00	< 1	< 1.00	**0.604 J**	< 1	< 1	< 1.00	< 1.00	**0.352 J**	< 1	< 1.00	< 1.00
Vinyl Chloride	2015-06	ug/L						< 1	< 1					
Vinyl Chloride	2015-09	ug/L	< 1	< 1			< 1	< 1	< 1	< 1	< 1	< 1		
Vinyl Chloride	2015-10	ug/L			< 1	**0.699 J**							< 1	< 1
Vinyl Chloride	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.443 J**	**1.04**	< 1	< 1	< 1
Vinyl Chloride	2016-06	ug/L					< 1							
Vinyl Chloride	2016-08	ug/L	< 1	< 1	< 1	**0.691 J**	< 1	< 1	< 1	< 1	**0.746 J**	< 1	< 1	< 1
Vinyl Chloride	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.783 J**	< 1	< 1	< 1	< 1
Vinyl Chloride	2017-08	ug/L	< 1	< 1	< 1	**0.401 J**	< 1	< 1	< 1	**0.262 J**	**0.396 J**	< 1	< 1	< 1
Vinyl Chloride	2017-11	ug/L												
Vinyl Chloride	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	**0.12 J**	< 1	**0.249 J**	**0.759 J**	< 1	< 1	< 1
Vinyl Chloride	2018-06	ug/L												
Vinyl Chloride	2018-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	< 1
Vinyl Chloride	2018-09	ug/L							< 1	< 1				
Vinyl Chloride	2018-11	ug/L											< 1	
Vinyl Chloride	2019-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Chloride	2019-04	ug/L												
Vinyl Chloride	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.451 J**	< 1	< 1	< 1	< 1
Vinyl Chloride	2020-03	ug/L		< 1		< 1	< 1	< 1	< 1	**0.494 J**	**0.779 J**	< 1	< 1	< 1
Vinyl Chloride	2020-04	ug/L	< 1		< 1									
Vinyl Chloride	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.411 J**	**0.44 J**			< 1
Vinyl Chloride	2021-03	ug/L				< 1								
Vinyl Chloride	2021-08	ug/L	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	**0.583 J**			< 1
Vinyl Chloride	2022-03	ug/L				< 1								
Vinyl Chloride	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.368 J**			< 1

Table 14

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Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Vinyl Acetate	2009-03	ug/L	< 2	< 2	< 2								
Vinyl Acetate	2009-07	ug/L	< 2	< 2									
Vinyl Acetate	2009-09	ug/L	< 2.00	< 2.00	< 2.00								
Vinyl Acetate	2010-03	ug/L	< 2.00	< 2.00	< 2.00								
Vinyl Acetate	2010-09	ug/L	< 2.00	< 2.00	< 2.00								
Vinyl Acetate	2011-03	ug/L	< 2.00	< 2.00	< 2.00								
Vinyl Acetate	2011-09	ug/L	< 2.00	< 2.00	< 2.00								
Vinyl Acetate	2012-03	ug/L	< 2.00	< 10.0	< 10.0								
Vinyl Acetate	2012-09	ug/L	< 4.00	< 4.00	< 10.0								
Vinyl Acetate	2013-03	ug/L	< 2	< 2	< 2.00								
Vinyl Acetate	2013-09	ug/L	< 2.00	< 2.00	< 2.00		< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Vinyl Acetate	2013-11	ug/L					< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Vinyl Acetate	2014-03	ug/L	< 2.00	< 2.00	< 2.00		< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Vinyl Acetate	2014-06	ug/L					< 2.00	< 2.00	< 2.00	< 2.00	< 2.00		
Vinyl Acetate	2014-09	ug/L	< 2	< 2	< 2		< 2	< 2	< 2	< 2	< 2		
Vinyl Acetate	2015-03	ug/L	< 10.0	< 10.0	< 10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0		
Vinyl Acetate	2015-06	ug/L											
Vinyl Acetate	2015-09	ug/L	< 10	< 10	< 10								
Vinyl Acetate	2015-10	ug/L				< 10	< 10	< 10		< 10	< 10		
Vinyl Acetate	2016-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
Vinyl Acetate	2016-06	ug/L											
Vinyl Acetate	2016-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
Vinyl Acetate	2017-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
Vinyl Acetate	2017-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10		
Vinyl Acetate	2017-11	ug/L										< 10	< 10
Vinyl Acetate	2018-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
Vinyl Acetate	2018-06	ug/L										< 10	< 10
Vinyl Acetate	2018-08	ug/L	< 10	< 10	< 10	< 10		< 10		< 10			
Vinyl Acetate	2018-09	ug/L									< 10	< 10	< 10
Vinyl Acetate	2018-11	ug/L										< 10	< 10
Vinyl Acetate	2019-03	ug/L	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	
Vinyl Acetate	2019-04	ug/L											< 10
Vinyl Acetate	2019-08	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
Vinyl Acetate	2020-03	ug/L	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
Vinyl Acetate	2020-04	ug/L											
Vinyl Acetate	2020-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Vinyl Acetate	2021-03	ug/L	< 10		< 10	< 10							< 10
Vinyl Acetate	2021-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Vinyl Acetate	2022-03	ug/L	< 10		< 10	< 10							< 10
Vinyl Acetate	2022-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Vinyl Acetate	2023-03	ug/L	< 10		< 10	< 10							< 10
Vinyl Acetate	2023-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Vinyl Acetate	2024-03	ug/L	< 10		< 10	< 10							< 10
Vinyl Acetate	2024-08	ug/L	< 10	< 10	< 10	< 10	< 10			< 10	< 10	< 10	< 10
Vinyl Acetate	2025-03	ug/L	< 10		< 10	< 10							< 10
Vinyl Acetate	2025-08	ug/L	< 10	< 10	< 10 J	< 10	< 10			< 10	< 10	< 10	< 10
Vinyl Chloride	2008-08	ug/L	< 1	**3.28**	< 1								
Vinyl Chloride	2009-03	ug/L	< 1	**2.91**	< 0.26								
Vinyl Chloride	2009-07	ug/L	< 0.26	< 0.26									
Vinyl Chloride	2009-09	ug/L	< 1.00	**1.79**	< 0.240								
Vinyl Chloride	2010-03	ug/L	< 0.240	**1.18**	< 0.240								
Vinyl Chloride	2010-09	ug/L	< 0.240	**0.910 J**	< 0.240								
Vinyl Chloride	2011-03	ug/L	< 1.00	< 1.00	< 1.00								
Vinyl Chloride	2011-09	ug/L	< 0.100	**0.640 J**	< 0.100								
Vinyl Chloride	2012-03	ug/L	< 0.100	**0.690**	< 0.100								
Vinyl Chloride	2012-09	ug/L	< 0.100	**0.520 J**	< 0.100								
Vinyl Chloride	2013-03	ug/L	< 1	**0.372 J**	< 1.00								
Vinyl Chloride	2013-09	ug/L	< 1.00	**0.343 J**	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Vinyl Chloride	2013-11	ug/L					< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Vinyl Chloride	2014-03	ug/L	< 1.00	< 1.00	< 1.00		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Vinyl Chloride	2014-06	ug/L					< 1.00	< 1.00	< 1.00	**0.164 J**	< 1.00		
Vinyl Chloride	2014-09	ug/L	< 1	**0.22 J**	< 1		< 1	< 1	< 1	< 1	< 1		
Vinyl Chloride	2015-03	ug/L	< 1.00	**0.163 J**	< 1		< 1.00	< 1.00	< 1.00	< 1.00	< 1.00		
Vinyl Chloride	2015-06	ug/L											
Vinyl Chloride	2015-09	ug/L	< 1	< 1	< 1								
Vinyl Chloride	2015-10	ug/L				< 1	< 1	< 1		**0.407 J**	< 1		
Vinyl Chloride	2016-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Vinyl Chloride	2016-06	ug/L											
Vinyl Chloride	2016-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Vinyl Chloride	2017-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		< 1	< 1		
Vinyl Chloride	2017-08	ug/L	< 1	**0.157 J**	< 1	< 1	< 1	< 1		**0.195 J**	< 1		
Vinyl Chloride	2017-11	ug/L										< 1	**0.557 J**
Vinyl Chloride	2018-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		**0.139 J**	< 1	< 1	**0.709 J**
Vinyl Chloride	2018-06	ug/L										< 1	< 1
Vinyl Chloride	2018-08	ug/L	< 1	< 1	< 1	< 1		< 1		< 1			
Vinyl Chloride	2018-09	ug/L									< 1	< 1	< 1
Vinyl Chloride	2018-11	ug/L										< 1	< 1
Vinyl Chloride	2019-03	ug/L	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1	< 1	
Vinyl Chloride	2019-04	ug/L											< 1
Vinyl Chloride	2019-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		**0.299 J**	< 1	< 1	**0.497 J**
Vinyl Chloride	2020-03	ug/L	< 1	< 1	< 1	< 1	< 1	< 1		**0.402 J**	< 1	< 1	**0.39 J**
Vinyl Chloride	2020-04	ug/L											
Vinyl Chloride	2020-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	**0.353 J**
Vinyl Chloride	2021-03	ug/L	< 1		< 1	< 1							**0.382 J**
Vinyl Chloride	2021-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	**0.384 J**
Vinyl Chloride	2022-03	ug/L	< 1		< 1	< 1							**0.437 J**
Vinyl Chloride	2022-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	**0.314 J**

Table 14

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Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Chloride	2023-03	ug/L				**0.19 J**								
Vinyl Chloride	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1
Vinyl Chloride	2024-03	ug/L				< 1								
Vinyl Chloride	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.343 J**	**0.68 J**			< 1
Vinyl Chloride	2025-03	ug/L				< 1								
Vinyl Chloride	2025-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0.4 J**	**0.482 J**			< 1
Xylenes, Total	2008-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2009-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2009-07	ug/L	< 3	< 3	< 3	< 3		< 3	< 3.00	< 3.00	< 3			
Xylenes, Total	2009-09	ug/L	< 3.00	< 3	< 3.00	< 15.0		< 3	< 3	< 3	< 3			
Xylenes, Total	2010-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Xylenes, Total	2010-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Xylenes, Total	2011-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Xylenes, Total	2011-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Xylenes, Total	2012-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Xylenes, Total	2012-09	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Xylenes, Total	2013-03	ug/L	< 3.00	< 3.00	< 3	< 3	< 3	< 3	< 3	< 3	< 3.00	< 3	< 3	< 3
Xylenes, Total	2013-09	ug/L	< 3.00	< 3.00	< 3.00	**0.189 J**	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Xylenes, Total	2013-11	ug/L												
Xylenes, Total	2014-03	ug/L	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00
Xylenes, Total	2014-06	ug/L												
Xylenes, Total	2014-09	ug/L	< 3	< 3	< 3	< 3 J	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2015-03	ug/L	< 3.00	< 3	**0.204 J**	**0.339 J**	< 3	< 3	< 3.00	< 3.00	< 3	< 3	< 3.00	< 3.00
Xylenes, Total	2015-06	ug/L						< 3	< 3					
Xylenes, Total	2015-09	ug/L	< 3	< 3			< 3	< 3	< 3	< 3	< 3	< 3		
Xylenes, Total	2015-10	ug/L			< 3	< 3							< 3	< 3
Xylenes, Total	2016-03	ug/L	< 3	< 3	< 3	**0.139 J**	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2016-06	ug/L					**0.231 J**							
Xylenes, Total	2016-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	**0.169 J**	< 3	< 3	< 3
Xylenes, Total	2017-03	ug/L	< 3	**1.82 J**	< 3	**0.18 J**	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2017-08	ug/L	< 3	**0.801 J**	< 3	**0.282 J**	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2017-11	ug/L												
Xylenes, Total	2018-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2018-06	ug/L												
Xylenes, Total	2018-08	ug/L	< 3	< 3	< 3	**1.02 J**	< 3	< 3			< 3	**0.463 J**	< 3	< 3
Xylenes, Total	2018-09	ug/L							< 3	< 3				
Xylenes, Total	2018-11	ug/L											< 3	
Xylenes, Total	2019-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2019-04	ug/L												
Xylenes, Total	2019-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2020-03	ug/L		< 3		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Xylenes, Total	2020-04	ug/L	< 3		< 3									
Xylenes, Total	2020-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Xylenes, Total	2021-03	ug/L				< 3								
Xylenes, Total	2021-08	ug/L	< 3	< 30	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Xylenes, Total	2022-03	ug/L				< 3								
Xylenes, Total	2022-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Xylenes, Total	2023-03	ug/L				< 3								
Xylenes, Total	2023-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Xylenes, Total	2024-03	ug/L				< 3								
Xylenes, Total	2024-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Xylenes, Total	2025-03	ug/L				< 3								
Xylenes, Total	2025-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3			< 3
Zinc	2008-08	mg/L	< 0.05	< 0.05	< 0.05	**0.096**	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Zinc	2009-03	mg/L	< 0.05	< 0.05	< 0.05	**0.321**	**0.121**	**0.479**	**0.332**	**0.257**	**0.081**	< 0.05	< 0.05	< 0.05
Zinc	2009-07	mg/L	< 0.05	< 0.05	< 0.05	**0.077**		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Zinc	2009-09	mg/L	**0.0780**	< 0.1		**0.169**		**0.111**	**0.0834**	< 0.06	**0.0311**	< 0.02		
Zinc	2010-03	mg/L	**0.104**	< 0.100	**0.0694**	**0.150**	**0.101**	**0.120**	**0.102**	< 0.100	**0.0354**	**0.0220**	< 0.0200	**0.0321**
Zinc	2010-09	mg/L	**0.0530**	< 0.0200	**0.0476**	**0.0408**	**0.0698**	**0.0697**	**0.0662**	< 0.0600	**0.0213**	< 0.0200	< 0.0200	< 0.0200
Zinc	2011-03	mg/L	< 0.0200	< 0.100	**0.0557**	**0.0329**	**0.0803**	**0.0819**	< 0.0200	< 0.100	< 0.0200	< 0.0200	< 0.0200	**0.0293**
Zinc	2011-09	mg/L	< 0.0200	< 0.0600	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0600	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Zinc	2012-03	mg/L	< 0.0200	< 0.0600	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0600	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Zinc	2012-09	mg/L	< 0.0200	< 0.0600	< 0.0200	**0.0669**	< 0.0200	< 0.0200	< 0.0200	< 0.0600	< 0.0200	**0.0205**	< 0.0200	< 0.0200
Zinc	2013-03	mg/L	**0.0489**	**0.0238 J**	**0.0292**	**0.0443**	**0.0374**	**0.0424**	**0.0604**	**0.038**	< 0.0200 J	< 0.02 J	< 0.02 J	**0.0275**
Zinc	2013-09	mg/L	**0.112**	**0.0540**	**0.101**	**0.0254**	< 0.0200	**7.88**	**0.00771 J**	**0.0228**	**0.0187 J**	**0.0128 J**	**0.0112 J**	**0.0299**
Zinc	2013-11	mg/L												
Zinc	2014-03	mg/L	< 0.0200	< 0.0400 J	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0400	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Zinc	2014-06	mg/L												
Zinc	2014-09	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Zinc	2015-03	mg/L	< 0.0100	**0.0144**	< 0.0100	< 0.0100	< 0.01	< 0.01	< 0.0100	**0.00776 J**	< 0.01	< 0.01	< 0.0100	< 0.0100
Zinc	2015-06	mg/L						< 0.01	< 0.01					
Zinc	2015-09	mg/L	< 0.01	**0.0112**			< 0.01	**0.00835 J**	< 0.01	< 0.01	< 0.01	< 0.01		
Zinc	2015-10	mg/L			< 0.01	< 0.01							**0.0154**	< 0.01
Zinc	2016-03	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	**0.0125**	< 0.01	< 0.01
Zinc	2016-06	mg/L					< 0.01							
Zinc	2016-08	mg/L	**0.0151**	**0.0155**	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Zinc	2017-03	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	**0.0219**
Zinc	2017-08	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Zinc	2017-11	mg/L												
Zinc	2018-03	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Zinc	2018-06	mg/L												
Zinc	2018-08	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02
Zinc	2018-09	mg/L							< 0.02	**0.0113 J**				
Zinc	2018-11	mg/L											< 0.02	
Zinc	2019-03	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	**0.0101 J**	< 0.02	< 0.02	< 0.02	< 0.02
Zinc	2019-04	mg/L												
Zinc	2019-08	mg/L	< 0.02	**0.0101 J**	**0.0107 J**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Vinyl Chloride	2023-03	ug/L	< 1		< 1	< 1							**0.267 J**
Vinyl Chloride	2023-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	**0.687 J**
Vinyl Chloride	2024-03	ug/L	< 1		< 1	< 1							< 1
Vinyl Chloride	2024-08	ug/L	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1	**0.224 J**
Vinyl Chloride	2025-03	ug/L	< 1		< 1	< 1							**0.291 J**
Vinyl Chloride	2025-08	ug/L	< 1	< 1	< 1 J	< 1	< 1			< 1	< 1	< 1	< 1
Xylenes, Total	2008-08	ug/L	< 3	< 3	< 3								
Xylenes, Total	2009-03	ug/L	< 3	< 3	< 3								
Xylenes, Total	2009-07	ug/L	< 3	< 3									
Xylenes, Total	2009-09	ug/L	< 3.00	< 3.00	< 3.00								
Xylenes, Total	2010-03	ug/L	< 3.00	< 3.00	< 3.00								
Xylenes, Total	2010-09	ug/L	< 3.00	< 3.00	< 3.00								
Xylenes, Total	2011-03	ug/L	< 3.00	< 3.00	< 3.00								
Xylenes, Total	2011-09	ug/L	< 3.00	< 3.00	< 3.00								
Xylenes, Total	2012-03	ug/L	< 3.00	< 3.00	< 3.00								
Xylenes, Total	2012-09	ug/L	< 3.00	< 3.00	< 3.00								
Xylenes, Total	2013-03	ug/L	< 3	< 3	< 3.00								
Xylenes, Total	2013-09	ug/L	< 3.00	< 3.00	< 3.00		< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Xylenes, Total	2013-11	ug/L					< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Xylenes, Total	2014-03	ug/L	< 3.00	< 3.00	< 3.00		< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Xylenes, Total	2014-06	ug/L					< 3.00	< 3.00	< 3.00	< 3.00	< 3.00		
Xylenes, Total	2014-09	ug/L	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3		
Xylenes, Total	2015-03	ug/L	< 3.00	< 3.00	< 3		**0.170 J**	< 3.00	< 3.00	< 3.00	< 3.00		
Xylenes, Total	2015-06	ug/L											
Xylenes, Total	2015-09	ug/L	< 3	< 3	< 3								
Xylenes, Total	2015-10	ug/L				< 3	< 3	< 3		< 3	< 3		
Xylenes, Total	2016-03	ug/L	< 3	< 3	**0.155 J**	< 3	< 3	< 3		< 3	< 3		
Xylenes, Total	2016-06	ug/L											
Xylenes, Total	2016-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3		
Xylenes, Total	2017-03	ug/L	< 3	< 3	**1.18 J**	< 3	< 3	< 3		< 3	**0.245 J**		
Xylenes, Total	2017-08	ug/L	< 3	**0.313 J**	**0.639 J**	< 3	< 3	< 3		< 3	**0.146 J**		
Xylenes, Total	2017-11	ug/L										**0.133 J**	< 3
Xylenes, Total	2018-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3
Xylenes, Total	2018-06	ug/L										< 3	< 3
Xylenes, Total	2018-08	ug/L	< 3	< 3	< 3	< 3		< 3		< 3			
Xylenes, Total	2018-09	ug/L									< 3	< 3	< 3
Xylenes, Total	2018-11	ug/L										< 3	< 3
Xylenes, Total	2019-03	ug/L	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3	< 3	
Xylenes, Total	2019-04	ug/L											< 3
Xylenes, Total	2019-08	ug/L	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3
Xylenes, Total	2020-03	ug/L	< 3	< 3	< 3	< 3	< 3	< 3		< 3	< 3	< 3	< 3
Xylenes, Total	2020-04	ug/L											
Xylenes, Total	2020-08	ug/L	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Xylenes, Total	2021-03	ug/L	< 3		< 3	< 3							< 3
Xylenes, Total	2021-08	ug/L	< 3	**0.414 J**	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Xylenes, Total	2022-03	ug/L	< 3		< 3	< 3							< 3
Xylenes, Total	2022-08	ug/L	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Xylenes, Total	2023-03	ug/L	< 3		< 3	< 3							< 3
Xylenes, Total	2023-08	ug/L	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Xylenes, Total	2024-03	ug/L	< 3		< 3	< 3							< 3
Xylenes, Total	2024-08	ug/L	< 3	< 3	< 3	< 3	< 3			< 3	< 3	< 3	< 3
Xylenes, Total	2025-03	ug/L	< 3		< 3	< 3							< 3
Xylenes, Total	2025-08	ug/L	< 3	< 3	< 3 J	< 3	< 3			< 3	< 3	< 3	< 3
Zinc	2008-08	mg/L	< 0.05	< 0.05	< 0.05								
Zinc	2009-03	mg/L	< 0.05	< 0.05	< 0.05								
Zinc	2009-07	mg/L	< 0.05	< 0.05	< 0.05								
Zinc	2009-09	mg/L	< 0.0200	**0.0380**	**0.0238**								
Zinc	2010-03	mg/L	< 0.0200	**0.0342**	**0.0217**								
Zinc	2010-09	mg/L	< 0.0200	< 0.0200	**0.0216**								
Zinc	2011-03	mg/L	**0.0443**	< 0.0200	< 0.0200								
Zinc	2011-09	mg/L	< 0.0200	< 0.0200	< 0.0200								
Zinc	2012-03	mg/L	< 0.0200	< 0.0200	< 0.0200								
Zinc	2012-09	mg/L	< 0.0200	< 0.0200	< 0.0200								
Zinc	2013-03	mg/L	< 0.0219	**0.0317**	< 0.0200								
Zinc	2013-09	mg/L	**0.0562**	**0.0882**	**0.0366**	~~< 0.0200~~	< 0.0200	**0.0216**	< 0.0200	< 0.0200	**0.0424**		
Zinc	2013-11	mg/L				~~**0.270**~~	**0.109**	**0.117**	**0.110**	**0.140**	**0.124**		
Zinc	2014-03	mg/L	< 0.0200	< 0.0200 J	**0.00850 J**	~~< 0.0200~~	**0.0143 J**	**0.0131 J**	< 0.0200	< 0.0200	< 0.0200		
Zinc	2014-06	mg/L				~~< 0.0600~~	< 0.0600	< 0.0600	< 0.0600	< 0.120	< 0.0600		
Zinc	2014-09	mg/L	< 0.01	< 0.01	< 0.01	~~< 0.01~~	< 0.01	< 0.01	< 0.01	< 0.01	**0.0156**		
Zinc	2015-03	mg/L	< 0.0100	< 0.0100	< 0.01	~~< 0.0100~~	< 0.0100	< 0.0100	< 0.0100	**0.0133**	**0.0105**		
Zinc	2015-06	mg/L											
Zinc	2015-09	mg/L	< 0.01	< 0.01	< 0.01								
Zinc	2015-10	mg/L				< 0.01	< 0.01	< 0.01		< 0.01	**0.0114**		
Zinc	2016-03	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		**0.00998 J**	**0.00995 J**		
Zinc	2016-06	mg/L											
Zinc	2016-08	mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	**0.00977 J**		
Zinc	2017-03	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02		
Zinc	2017-08	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	**0.0128 J**		
Zinc	2017-11	mg/L										< 0.02	< 0.02
Zinc	2018-03	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02
Zinc	2018-06	mg/L										< 0.02	**0.0135 J**
Zinc	2018-08	mg/L	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02		< 0.02			
Zinc	2018-09	mg/L									**0.0116 J**	< 0.02	**0.014 J**
Zinc	2018-11	mg/L										< 0.02	**0.0109 J**
Zinc	2019-03	mg/L	**0.0893**	< 0.02	< 0.02	< 0.02		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	
Zinc	2019-04	mg/L											**0.0125 J**
Zinc	2019-08	mg/L	**0.015 J**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02		< 0.02	**0.0169 J**	< 0.02	**0.0145 J**

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**

Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

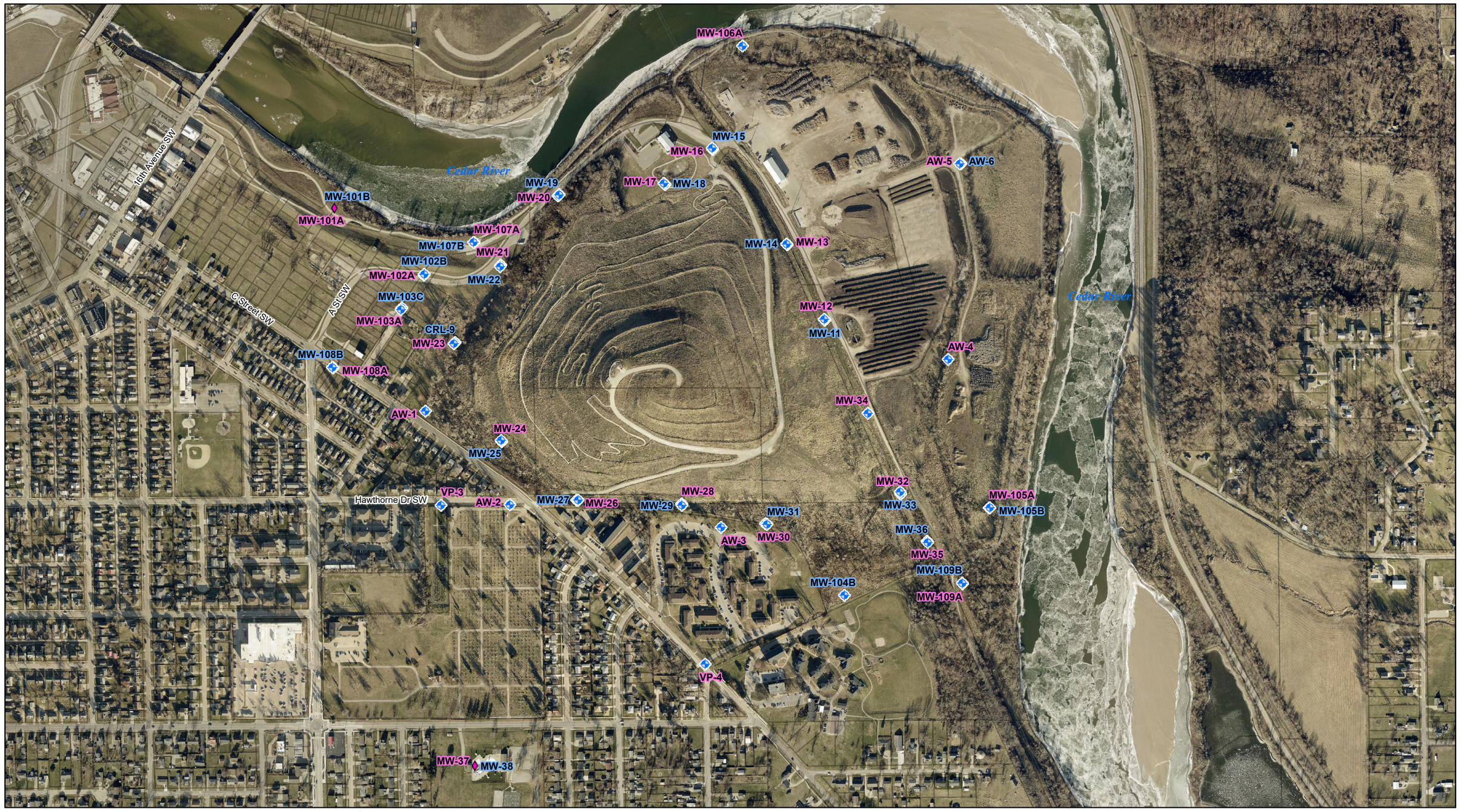
Constituent	Date	Units	AW-6 (DwnGrad)	CRL-9 (DwnGrad)	MW-11 (DwnGrad)	MW-14 (DwnGrad)	MW-15 (DwnGrad)	MW-18 (DwnGrad)	MW-19 (DwnGrad)	MW-22 (DwnGrad)	MW-25 (DwnGrad)	MW-27 (DwnGrad)	MW-29 (DwnGrad)	MW-31 (DwnGrad)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Zinc	2020-03	mg/L		**0.0117 J**		< 0.02	< 0.08	< 0.02	< 0.08	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Zinc	2020-04	mg/L	< 0.02		< 0.02									
Zinc	2020-08	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02
Zinc	2021-03	mg/L				< 0.02								
Zinc	2021-08	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02
Zinc	2022-03	mg/L				< 0.02								
Zinc	2022-08	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	**0.0105 J**	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02
Zinc	2023-03	mg/L				< 0.02								
Zinc	2023-08	mg/L	< 0.02	**0.0245**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	**0.00661 J**	< 0.02			< 0.02
Zinc	2024-03	mg/L				< 0.02								
Zinc	2025-03	mg/L				**0.197**								
Zinc	2025-08	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02
Zinc	2024-08	mg/L	< 0.02	**0.0139 J**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02

Table 14

Cedar Rapids Linn County Solid Waste Agency Site 1 **Analytical Data Summary - Deeper Bedrock Appendix II**
Permit No. 57-SDP-03-75C **2025 Annual Water Quality Report**

Constituent	Date	Units	MW-33 (DwnGrad)	MW-36 (DwnGrad)	MW-38 (Bkgrnd)	MW-101B (Bkgrnd)	MW-102B (Delin)	MW-103C (Delin)	MW-104B (Delin)	MW-105B (Delin)	MW-107B (Delin)	MW-108B (Delin)	MW-109B (Delin)
1,1,1,2-Tetrachloroethane	2008-08	ug/L	< 1	< 1	< 1								
Zinc	2020-03	mg/L	**0.0189 J**	< 0.02	< 0.02	< 0.02	< 0.02	**0.0148 J**		< 0.02	**0.0126 J**	< 0.02	**0.0135 J**
Zinc	2020-04	mg/L											
Zinc	2020-08	mg/L	**0.0138 J**	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	**0.0101 J**	< 0.02	< 0.02
Zinc	2021-03	mg/L	**0.033**		< 0.02	< 0.02							**0.0133 J**
Zinc	2021-08	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	**0.0188 J**	**0.0362**	**0.0108 J**
Zinc	2022-03	mg/L	**0.0159 J**		< 0.02	< 0.02							**0.0109 J**
Zinc	2022-08	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	**0.0101 J**	< 0.02	**0.0117 J**
Zinc	2023-03	mg/L	< 0.02		< 0.02	< 0.02							< 0.02
Zinc	2023-08	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	**0.0102 J**	< 0.02	< 0.02
Zinc	2024-03	mg/L	< 0.02		< 0.02	< 0.02							< 0.02
Zinc	2025-03	mg/L	< 0.02		< 0.02	< 0.02							< 0.02
Zinc	2025-08	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	< 0.02	< 0.02	< 0.02
Zinc	2024-08	mg/L	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02			< 0.02	**0.0101 J**	< 0.02	< 0.02

Figures



NOTES:

1. Aerial imagery was flown in Fall 2024 and provided by Linn County, Iowa.

LEGEND

- MW-38 — Deeper Bedrock Background Well
- MW-27 — Deeper Bedrock Monitoring Well
- MW-37 — Upper Bedrock Background Well
- MW-26 — Upper Bedrock Monitoring Well
- Parcels

Foth

N

0 250 500 Feet

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

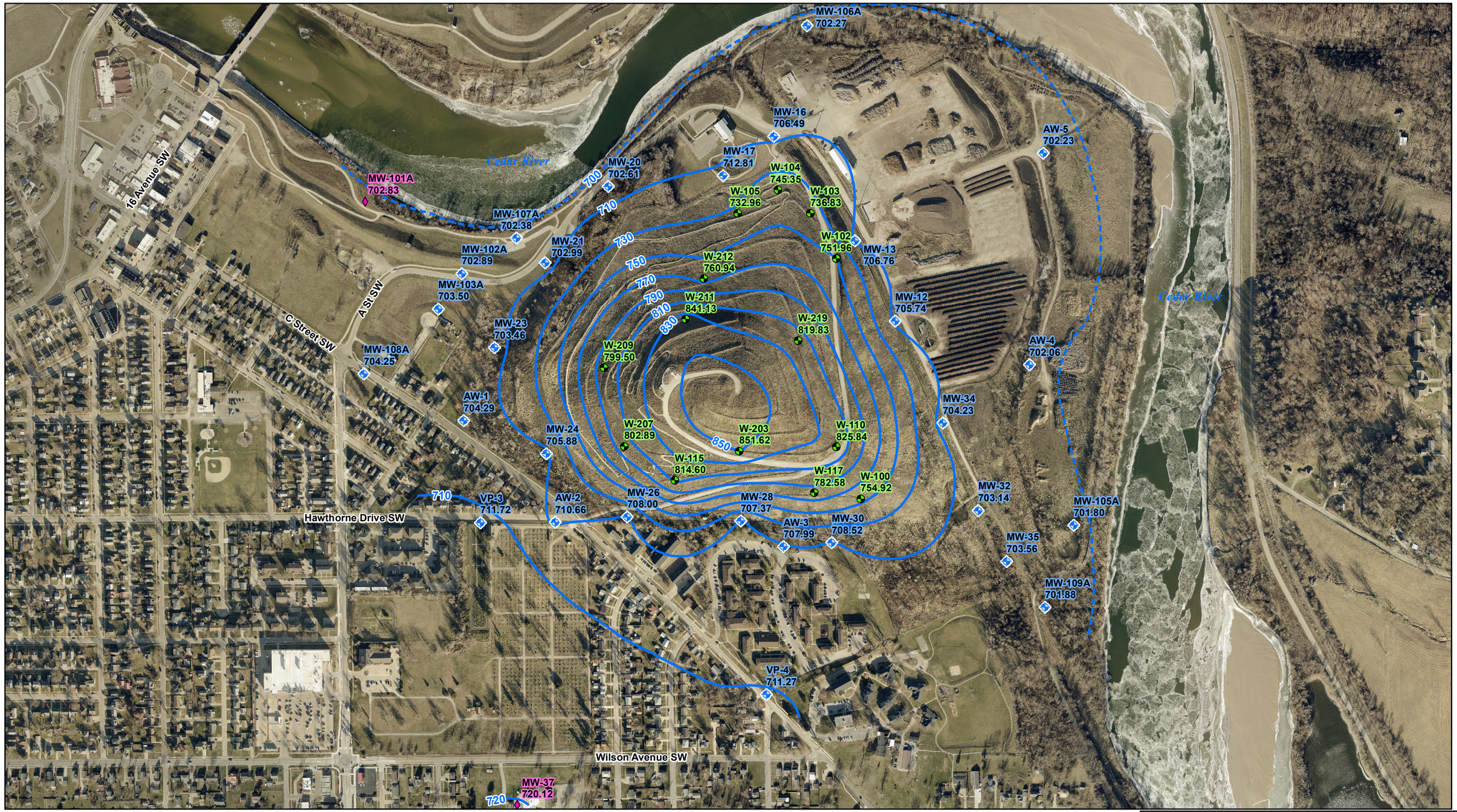
Cedar Rapids Linn County Solid Waste Agency

FIGURE 1

HMSP MONITORING NETWORK
SITE 1

Date: JANUARY 2026	Revision Date:	
Drawn By: DAT	Checked By: GMN	Project: 25C051.00

Path: Q:\Cedar Rapids Linn Co SWA IA\25C051.00\GIS\mxd\Site 1 2025 AWQR\Figure 1 - HMSP Monitoring Network.mxd Date: 1/8/2026



NOTES:

1. Aerial imagery was flown in Fall 2024 and provided by Linn County, Iowa.

LEGEND

- Leachate Piezometer
- Upper Bedrock Background Well
- Upper Bedrock Monitoring Well
- Water Table Contours (March 2025)
- Inferred Water Table Contours (March 2025)

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

N

0 250 500 Feet

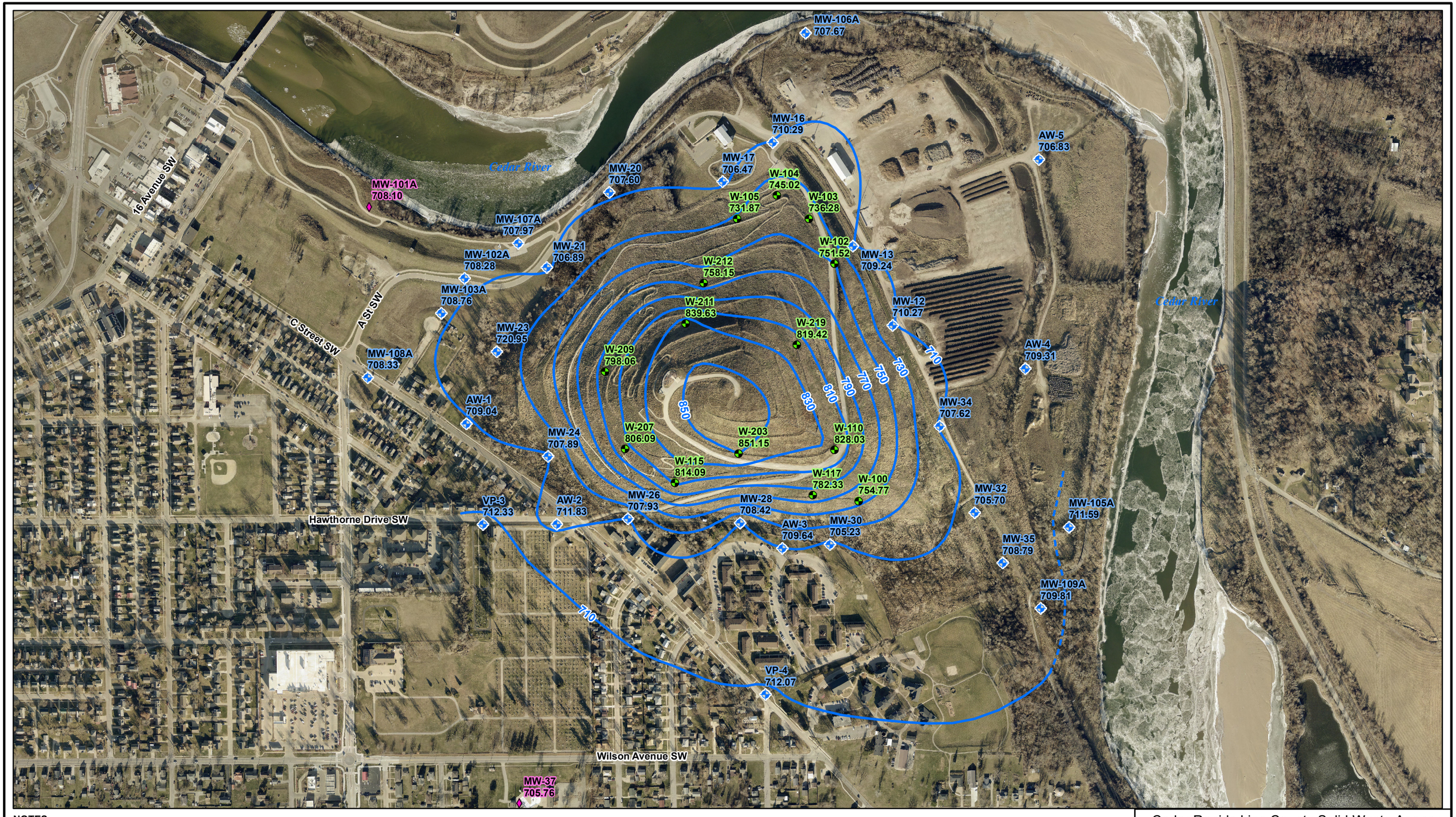
Cedar Rapids Linn County Solid Waste Agency

FIGURE 2

WATER TABLE CONTOUR MAP – MARCH 2025
SITE 1

Date: JANUARY 2026	Revision Date:	
Drawn By: DAT	Checked By: GMN	Project: 25C051.00

Path: Q:\Cedar Rapids Linn Co SWA IA\25C051.00\GIS\mxd\Site 1 2025 AWQR\Figure 2 - Water Table Contour 0325.mxd Date: 1/8/2026



NOTES:

1. Aerial imagery was flown in Fall 2024 and provided by Linn County, Iowa.

LEGEND

- Leachate Piezometer
- Upper Bedrock Background Well
- Upper Bedrock Monitoring Well
- Water Table Contours (August 2025)
- Inferred Water Table Contours (August 2025)

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

Foth

N

0 250 500 Feet

Cedar Rapids Linn County Solid Waste Agency

FIGURE 3

WATER TABLE CONTOUR MAP – AUGUST 2025
SITE 1

Date: JANUARY 2026	Revision Date:	
Drawn By: DAT	Checked By: GMN	Project: 25C051.00

Path: Q:\Cedar Rapids Linn Co SWA IA\25C051.00\GIS\mxd\Site 1 2025 AWQR\Figure 3 - Water Table Contour 0825.mxd Date: 1/8/2026

NOTES:

1. Aerial imagery was flown in Fall 2024 and provided by Linn County, Iowa.

LEGEND

Leachate Piezometer

Foth

N

0 150 300 Feet

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

Cedar Rapids Linn County Solid Waste Agency

FIGURE 4

LEACHATE MONITORING LOCATION MAP
SITE 1

Date: JANUARY 2026	Revision Date:	
Drawn By: DAT	Checked By: GMN	Project: 25C051.00

Path: Q:\Cedar Rapids Linn Co SWA IA\25C051.00\GIS\mxd\Site 1 2025 AWQR\Figure 4 - Leachate Monitoring Location Map.mxd Date: 1/6/2026

NOTES:

1. Aerial imagery was flown in Fall 2024 and provided by Linn County, Iowa.

LEGEND

- Potential Subsurface Methane Monitoring
- Subsurface Methane Monitoring Location
- Building Methane Monitoring Location
- Surface Methane Monitoring Location

Foth

N

0 200 400 Feet

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

Cedar Rapids Linn County Solid Waste Agency

FIGURE 5

METHANE MONITORING NETWORK
SITE 1

Date: JANUARY 2026	Revision Date:	
Drawn By: DAT	Checked By: GMN	Project: 25C051.00

Path: Q:\Cedar Rapids Linn Co SWA IA\25C051.00\GIS\mxd\Site 1 2025 AWQR\Figure 5 - Gas Monitoring Report.mxd Date: 1/14/2026

Appendix A

Reporting Period Monitoring Documentation

March, June, August, and December 2025

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

March 2025 Sampling Event

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: AW-1 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 9 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 736.84
Top of screen (ft. MSL): 711.84 | Materials: PVC | Top of Casing elevation (ft. MSL): 739.51
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	35.22	N/A	N/A
Water elevation (ft. MSL)	704.29	N/A	N/A

3 Well Volumes (gal): 6.09 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	47.67	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at AW-1. In Spring 2025, AW-1 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: AW-2 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 9 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 788.60
Top of screen (ft. MSL): 710.60 | Materials: PVC | Top of Casing elevation (ft. MSL): 788.18
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	77.52	N/A	N/A
Water elevation (ft. MSL)	710.66	N/A	N/A

3 Well Volumes (gal): 9.81 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	97.58	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at AW-2. In Spring 2025, AW-2 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: AW-3 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 9 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 799.70
Top of screen (ft. MSL): 711.70 | Materials: PVC | Top of Casing elevation (ft. MSL): 799.31
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	91.32	N/A	N/A
Water elevation (ft. MSL)	707.99	N/A	N/A

3 Well Volumes (gal): 7.97 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	107.61	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at AW-3. In Spring 2025, AW-3 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: AW-4 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 9 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 723.44
Top of screen (ft. MSL): 712.44 | Materials: PVC | Top of Casing elevation (ft. MSL): 725.76
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	23.70	N/A	N/A
Water elevation (ft. MSL)	702.06	N/A	N/A

3 Well Volumes (gal): 4.70 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	33.32	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at AW-4. In Spring 2025, AW-4 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: AW-5 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 9 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 718.94
Top of screen (ft. MSL): 711.44 | Materials: PVC | Top of Casing elevation (ft. MSL): 721.33
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	19.10	N/A	N/A
Water elevation (ft. MSL)	702.23	N/A	N/A

3 Well Volumes (gal): 5.28 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	29.89	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at AW-55. In Spring 2025, AW-5 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: AW-6 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 9 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 718.94
Top of screen (ft. MSL): 651.44 | Materials: PVC | Top of Casing elevation (ft. MSL): 721.13
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	19.42	N/A	N/A
Water elevation (ft. MSL)	701.71	N/A	N/A

3 Well Volumes (gal): 29.47 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	79.69	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at AW-6. In Spring 2025, AW-6 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: CRL-9 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 734.10
Top of screen (ft. MSL): 672.89 | Materials: PVC | Top of Casing elevation (ft. MSL): 736.59
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	33.13	N/A	N/A
Water elevation (ft. MSL)	703.46	N/A	N/A

3 Well Volumes (gal): 19.84 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	73.70	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at CRL-9. In Spring 2025, CRL-9 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-11 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 742.00
Top of screen (ft. MSL): 678.44 | Materials: PVC | Top of Casing elevation (ft. MSL): 745.62
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	40.00	N/A	N/A
Water elevation (ft. MSL)	705.62	N/A	N/A

3 Well Volumes (gal): 15.74 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	72.18	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-11. In Spring 2025, MW-11 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-12 | Weather: Clear, 55° F, SE wind 10-20 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 742.11
Top of screen (ft. MSL): 708.84 | Materials: PVC | Top of Casing elevation (ft. MSL): 745.37
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	39.63	39.69	39.76
Water elevation (ft. MSL):	705.74	705.68	705.61

3 Well Volumes (gal): 3.37 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	46.53	46.85	0.32

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 700.37 | Flow Rate (mL/min): 200 | Volume removed (gal): 1.1 | Volume sampled (L): 1.87
Well dry? (Y/N): No | Odor? (Y/N): Yes | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-12_25_03	USEPA 8260D - Appendix I VOCs & 1,3-Dichlorobenzene	(3) VOA Vial 40 mL - HCl	No
	USEPA 8081B - beta-BHC	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 6020B - Appendix I Total Metals & Tin	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	17:06	17:08	17:10
Temp (°C)	1375	13.78	13.80
Sp. Cond (umhos/cm)	4797.9	4798.7	4801.7
pH	6.35	6.35	6.35
DO (mg/l)	0.27	0.25	0.22
ORP (mV)	-37.9	-41.5	-43.3
Turbidity (NTU)	0.00	1.10	0.00

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-12	Weather:	Clear, 55° F, SE wind 10-20 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Comments:

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-13	Weather:	Clear, 37° F, SE wind 5-10 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	737.34
Top of screen (ft. MSL):	714.16	Materials:	PVC	Top of Casing elevation (ft. MSL):	740.99
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	34.23	34.29	35.06
Water elevation (ft. MSL):	706.76	706.70	705.93

3 Well Volumes (gal): 3.72 Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	41.83	42.15	0.32

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	700.99	Flow Rate (mL/min):	200	Volume removed (gal):	0.8
Well dry? (Y/N):	No	Odor? (Y/N):	Yes*	Volume sampled (L):	3.37
				Color? (Y/N):	Yes*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-13_25_03	USEPA 8260D - Appendix I VOCs & 1,3-Dichlorobenzene	(3) VOA Vial 40 mL - HCl	No
	USEPA 8151A - 2,4,5-TP (Silvex)	(2) Amber Glass 1 Liter - Unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	8:59	9:01	9:03
Temp (°C)	13.89	13.74	13.64
Sp. Cond (umhos/cm)	3102.0	3188.7	3085.4
pH	5.88	5.83	5.81
DO (mg/l)	0.19	0.15	0.16
ORP (mV)	-80.5	-84.2	-85.0
Turbidity (NTU)	3.35	3.63	4.55

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-13	Weather:	Clear, 37° F, SE wind 5-10 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Comments: *Slight color, odor, slight effervescence and suspended solids in sample.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-14	Weather:	Clear, 42° F, SE wind 5-10 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	737.42
Top of screen (ft. MSL):	679.13	Materials:	PVC	Top of Casing elevation (ft. MSL):	740.93
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	34.89	34.97	37.17
Water elevation (ft. MSL):	706.04	705.96	703.76

3 Well Volumes (gal): 15.60 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	66.80	67.15	0.35

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	678.93	Flow Rate (mL/min):	150	Volume removed (gal):	2.3
Well dry? (Y/N):	No	Odor? (Y/N):	Yes	Volume sampled (L):	1.37
				Color? (Y/N):	Yes, slight

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-14_25_03	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	10:23	10:26	10:29
Temp (°C)	14.89	15.07	15.10
Sp. Cond (umhos/cm)	2571.3	2595.0	2634.4
pH	5.65	5.67	5.65
DO (mg/l)	0.19	0.18	0.19
ORP (mV)	-46.1	-47.2	-45.5
Turbidity (NTU)	0.50	0.80	0.53

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-14	Weather:	Clear, 42° F, SE wind 5-10 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Comments: *Slight color and odor.

Collected field blank (FB-1_25_03) at 9:40.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-15 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 735.19
Top of screen (ft. MSL): 673.59 | Materials: PVC | Top of Casing elevation (ft. MSL): 737.99
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	31.31	N/A	N/A
Water elevation (ft. MSL)	706.68	N/A	N/A

3 Well Volumes (gal): 18.63 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	69.40	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-15. In Spring 2025, MW-15 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-16	Weather:	Clear, 46° F, SE wind 10-20 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	734.81
Top of screen (ft. MSL):	711.67	Materials:	PVC	Top of Casing elevation (ft. MSL):	737.92
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	31.43	31.60	31.83
Water elevation (ft. MSL):	706.49	706.32	706.09

3 Well Volumes (gal): 4.80 Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	41.25	41.50	0.25

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	699.92	Flow Rate (mL/min):	200	Volume removed (gal):	1.4
Well dry? (Y/N):	No	Odor? (Y/N):	Yes*	Volume sampled (L):	3.37
				Color? (Y/N):	Yes*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-16_25_03	USEPA 8260D - Appendix I VOCs & 1,3-Dichlorobenzene	(3) VOA Vial 40 mL - HCl	No
	USEPA 8151A - 2,4,5-TP (Silvex)	(2) Amber Glass 1 Liter - Unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	8:43	8:45	8:47
Temp (°C)	10.37	10.44	10.66
Sp. Cond (umhos/cm)	2064.4	2064.2	2065.6
pH	5.80	5.76	5.71
DO (mg/l)	0.53	0.43	0.38
ORP (mV)	-1.4	1.1	2.5
Turbidity (NTU)	0.00	0.00	0.00

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-16	Weather:	Clear, 46° F, SE wind 10-20 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Comments: *Slight yellow color and odor.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-17 | Weather: Cloudy, 48° F, SSE wind 15-25mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 734.80
Top of screen (ft. MSL): 709.99 | Materials: PVC | Top of Casing elevation (ft. MSL): 736.68
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	23.87	24.04	24.23
Water elevation (ft. MSL):	712.81	712.64	712.45

3 Well Volumes (gal): 6.27 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	36.69	36.90	0.21

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 703.18 | Flow Rate (mL/min): 200 | Volume removed (gal): 1.6 | Volume sampled (L): 3.87
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): Yes*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-17_25_03	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 8270E - Bis(2-ethylhexyl)phthalate	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8151A - 2,4,5-TP (Silvex)	(2) Amber Glass 1 Liter - Unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading:
Time	10:07	10:09	10:11
Temp (°C)	11.69	11.73	11.76
Sp. Cond (umhos/cm)	2949.6	2948.9	2949.7
pH	6.05	6.06	6.03
DO (mg/l)	0.15	0.13	0.13
ORP (mV)	-7.5	-8.7	-8.6
Turbidity (NTU)	11.40	11.90	11.30

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-17	Weather:	Cloudy, 48° F, SSE wind 15-25mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Comments: *Very slight color.

Collected field duplicate (FD-2_25_03) at MW-17.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-18 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 734.40
Top of screen (ft. MSL): 676.53 | Materials: PVC | Top of Casing elevation (ft. MSL): 736.28
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	26.11	N/A	N/A
Water elevation (ft. MSL)	710.17	N/A	N/A

3 Well Volumes (gal): 18.89 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	64.75	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-18. In Spring 2025, MW-18 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-19 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 721.10
Top of screen (ft. MSL): 680.23 | Materials: PVC | Top of Casing elevation (ft. MSL): 723.01
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	20.33	N/A	N/A
Water elevation (ft. MSL)	702.68	N/A	N/A

3 Well Volumes (gal): 13.42 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	47.78	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2043 at MW-19. In Spring 2054, MW-19 was a water level only location. The next annual monitoring event is scheduled for Fall 2054.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-20 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 9 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 721.14
Top of screen (ft. MSL):* 706.73 | Materials: PVC | Top of Casing elevation (ft. MSL)*: 723.48
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	20.87	N/A	N/A
Water elevation (ft. MSL)	702.61	N/A	N/A

3 Well Volumes (gal): 2.88 | Screen submerged? (Y/N): No

	Constructed*	Measured	Difference
Well Depth (ft. TOC)	26.75	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

	Equipment depth (ft. MSL:)	Flow Rate (mL/min):	Volume removed (gal):	Volume sampled (L):
	N/A	N/A	N/A	N/A

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

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

Field Analysis

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

Comments: *Well replaced in 2005 - could not find well construction form on DocDNA. TOC and Constructed Well Depth from 2005 AWQR. TOS estimated.

**In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-21. In Spring 2025, MW-21 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-21 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 9 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 730.62
Top of screen (ft. MSL):* 706.93 | Materials: PVC | Top of Casing elevation (ft. MSL): 732.88
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	29.89	N/A	N/A
Water elevation (ft. MSL)	702.99	N/A	N/A

3 Well Volumes (gal): 3.23 | Screen submerged? (Y/N): No

	Constructed*	Measured	Difference
Well Depth (ft. TOC)	36.50	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

Equipment depth (ft. MSL:)	Flow Rate (mL/min):	Volume removed (gal):	Volume sampled (L):
N/A	N/A	N/A	N/A

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

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

Field Analysis

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

Comments: *Well replaced in 2005 - could not find well construction form on DocDNA. Constructed Well Depth from 2005 AWQR plus the Spring 2021 casing extension. TOS estimated.

**In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-21. In Spring 2025, MW-21 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-22 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 731.05
Top of screen (ft. MSL): 681.27 | Materials: PVC | Top of Casing elevation (ft. MSL): 733.34
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	30.30	N/A	N/A
Water elevation (ft. MSL)	703.04	N/A	N/A

3 Well Volumes (gal): 13.28 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	57.45	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-22. In Spring 2054, MW-22 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-23 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 734.30
Top of screen (ft. MSL): 712.29 | Materials: PVC | Top of Casing elevation (ft. MSL): 736.74
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	33.28	N/A	N/A
Water elevation (ft. MSL)	703.46	N/A	N/A

3 Well Volumes (gal): 3.02 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	39.45	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-23. In Spring 2025, MW-23 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-24 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 9 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 783.32
Top of screen (ft. MSL):* 707.00 | Materials: PVC | Top of Casing elevation (ft. MSL)*: 785.70
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	79.82	N/A	N/A
Water elevation (ft. MSL)	705.88	N/A	N/A

3 Well Volumes (gal): 4.34 | Screen submerged? (Y/N): No

	Constructed*	Measured	Difference
Well Depth (ft. TOC)	88.70	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *Well replaced in 2005 - could not find well construction form on DocDNA. TOC and Constructed Well Depth from 2005 AWQR. TOS estimated.

**In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-24. In Spring 2054, MW-24 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-25 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 781.70
Top of screen (ft. MSL): 679.02 | Materials: PVC | Top of Casing elevation (ft. MSL): 784.20
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	78.43	N/A	N/A
Water elevation (ft. MSL)	705.77	N/A	N/A

3 Well Volumes (gal): 15.53 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	110.18	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-25. In Spring 2025, MW-25 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-26 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 807.70
Top of screen (ft. MSL): 716.70 | Materials: PVC | Top of Casing elevation (ft. MSL): 811.58
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	103.58	N/A	N/A
Water elevation (ft. MSL)	708.00	N/A	N/A

3 Well Volumes (gal): 3.08 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	109.88	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-26. In Spring 2025, MW-26 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-27 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 807.30
Top of screen (ft. MSL): 671.66 | Materials: PVC | Top of Casing elevation (ft. MSL): 809.66
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	102.45	N/A	N/A
Water elevation (ft. MSL)	707.21	N/A	N/A

3 Well Volumes (gal): 19.83 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	143.00	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, MW-27 is a water level only location.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-28 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 814.40
Top of screen (ft. MSL): 715.46 | Materials: PVC | Top of Casing elevation (ft. MSL): 816.62
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	109.25	N/A	N/A
Water elevation (ft. MSL)	707.37	N/A	N/A

3 Well Volumes (gal): 3.38 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	116.16	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-28. In Spring 2025, MW-28 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-29 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 813.80
Top of screen (ft. MSL): 679.70 | Materials: PVC | Top of Casing elevation (ft. MSL): 816.20
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	108.83	N/A	N/A
Water elevation (ft. MSL)	707.37	N/A	N/A

3 Well Volumes (gal): 15.98 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	141.50	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, MW-29 is a water level only location.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-30 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 788.60
Top of screen (ft. MSL): 712.40 | Materials: PVC | Top of Casing elevation (ft. MSL): 790.98
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	82.46	N/A	N/A
Water elevation (ft. MSL)	708.52	N/A	N/A

3 Well Volumes (gal): 2.99 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	88.58	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-30. In Spring 2025, MW-30 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-31 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 787.90
Top of screen (ft. MSL): 671.00 | Materials: PVC | Top of Casing elevation (ft. MSL): 790.06
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	82.75	N/A	N/A
Water elevation (ft. MSL)	707.31	N/A	N/A

3 Well Volumes (gal): 20.20 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	124.06	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-31. In Spring 2025, MW-31 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-32	Weather:	Clear, 56° F, SE wind 10-20 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	746.80
Top of screen (ft. MSL):	713.62	Materials:	PVC	Top of Casing elevation (ft. MSL):	749.01
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	45.87	45.93	45.96
Water elevation (ft. MSL):	703.14	703.08	703.05

3 Well Volumes (gal): 4.77 Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	55.62	55.80	0.18

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	699.01	Flow Rate (mL/min):	200	Volume removed (gal):	0.8
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.87
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-32_25_03	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 8270E - Bis(2-ethylhexyl)phthalate	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8151A - 2,4,5-TP (Silvex)	(2) Amber Glass 1 Liter - Unpreserved	No
	UEPA 6020B - Appendix I Total Metals & Tin	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	16:12	16:14	16:16
Temp (°C)	13.26	13.29	13.20
Sp. Cond (umhos/cm)	4805.6	4816.4	4819.8
pH	6.59	6.59	6.58
DO (mg/l)	0.38	0.31	0.28
ORP (mV)	-91.1	-92.8	-92.3
Turbidity (NTU)	4.41	3.42	2.59

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-32	Weather:	Clear, 56° F, SE wind 10-20 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Comments:

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-33 | Weather: Clear, 54° F, SE wind 10-20 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.86 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 746.36
Top of screen (ft. MSL): 670.39 | Materials: PVC | Top of Casing elevation (ft. MSL): 749.92
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	46.60	46.68	46.66
Water elevation (ft. MSL):	703.32	703.24	703.26

3 Well Volumes (gal): 18.55 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	84.53	84.70	0.17

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 670.92 | Flow Rate (mL/min): 200 | Volume removed (gal): 1.1 | Volume sampled (L): 1.87
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-33_25_03	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 8270E - Bis(2-ethylhexyl)phthalate	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 6020B - Appendix I Total Metals & Tin	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	15:33	15:36	15:39
Temp (°C)	13.13	13.18	13.17
Sp. Cond (umhos/cm)	2817.5	2813.2	2788.7
pH	6.74	6.74	6.75
DO (mg/l)	0.28	0.22	0.21
ORP (mV)	-62.2	-62.9	-64.8
Turbidity (NTU)	4.28	2.15	2.72

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-33	Weather:	Clear, 54° F, SE wind 10-20 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Comments: Collected field duplicate (FD-1_25_03) at MW-33.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-34 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 745.33
Top of screen (ft. MSL): 708.91 | Materials: PVC | Top of Casing elevation (ft. MSL): 748.72
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	44.49	N/A	N/A
Water elevation (ft. MSL)	704.23	N/A	N/A

3 Well Volumes (gal): 2.60 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	49.81	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-34. In Spring 2025, MW-34 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-35 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 741.63
Top of screen (ft. MSL): 711.04 | Materials: PVC | Top of Casing elevation (ft. MSL): 744.89
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	41.33	N/A	N/A
Water elevation (ft. MSL)	703.56	N/A	N/A

3 Well Volumes (gal): 1.23 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	43.85	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-35. In Spring 2025, MW-35 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-36 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 741.58
Top of screen (ft. MSL): 674.03 | Materials: PVC | Top of Casing elevation (ft. MSL): 745.22
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	41.70	N/A	N/A
Water elevation (ft. MSL)	703.52	N/A	N/A

3 Well Volumes (gal): 16.87 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	76.19	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-36. In Spring 2025, MW-36 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-37 | Weather: Clear, 42° F, NW wind 5-10 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 782.70
Top of screen (ft. MSL): 724.97 | Materials: PVC | Top of Casing elevation (ft. MSL): 784.81
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	64.69	N/A	N/A
Water elevation (ft. MSL):	720.12	N/A	N/A

3 Well Volumes (gal): 2.52 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	69.84	69.95	0.11

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

Sampling Method: X Pump (low flow) | X No-purge (specify sample interval): Bottom of Screen
_ Bailer | _ Other (specify): _

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 715.81 | Flow Rate (mL/min): 200 | Volume removed (gal): N/A | Volume sampled (L): 4.37
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-37_25_03	USEPA 8260D - Appendix I VOCs & 1,3-Dichlorobenzene	(3) VOA Vial 40 mL - HCl	No
	USEPA 8270E - Bis(2-ethylhexyl)phthalate	(4) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - beta-BHC		No
	USEPA 8151A - 2,4,5-TP (Silvex)	(2) Amber Glass 1 Liter - Unpreserved	No
	USEPA 6020B - Appendix I Total Metals & Total Tin	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-37	Weather:	Clear, 42° F, NW wind 5-10 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Field Analysis

	Final Reading
Time	10:50
Temp (°C)	11.13
Sp. Cond (umhos/cm)	916.50
pH	7.08
DO (mg/l)	3.37
ORP (mV)	226.2
Turbidity (NTU)	0.00

Comments: No purge sampling conducted since well recharge rate is less than 100 mL/min. Field measurements collected prior to sample collection using flow-through cell.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-38 | Weather: Cloudy, 42° F, NNW wind 5-10 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 782.60
Top of screen (ft. MSL): 699.26 | Materials: PVC | Top of Casing elevation (ft. MSL): 784.81
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	64.84	64.96	67.03
Water elevation (ft. MSL):	719.97	719.85	717.78

3 Well Volumes (gal): 12.57 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	90.55	90.10	0.45

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 699.81 | Flow Rate (mL/min): 200 | Volume removed (gal): 1.3 | Volume sampled (L): 1.87
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-38_25_03	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 8270E - Bis(2-ethylhexyl)phthalate	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 6020B - Appendix I Total Metals & Total Tin	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	10:13	10:17	10:19
Temp (°C)	10.76	10.86	10.89
Sp. Cond (umhos/cm)	524.95	527.13	525.59
pH	7.52	7.51	7.54
DO (mg/l)*	0.52	0.42	0.36
ORP (mV)	219.6	219.7	218.1
Turbidity (NTU)	1.28	1.71	1.38

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-38	Weather:	Cloudy, 42° F, NNW wind 5-10 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Comments:

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: VP-3 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 9 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 774.99
Top of screen (ft. MSL): 710.42 | Materials: PVC | Top of Casing elevation (ft. MSL): 774.52
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	62.80	N/A	N/A
Water elevation (ft. MSL)	711.72	N/A	N/A

3 Well Volumes (gal): 5.53 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	74.10	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at VP-3. In Spring 2025, VP-3 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: VP-4 | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 9 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 791.29
Top of screen (ft. MSL): 718.01 | Materials: PVC | Top of Casing elevation (ft. MSL): 790.91
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	79.64	N/A	N/A
Water elevation (ft. MSL)	711.27	N/A	N/A

3 Well Volumes (gal): 1.64 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	82.99	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at VP-4. In Spring 2025, VP-4 was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-101A | Weather: Clear, 53° F, SE wind 15-25 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 717.95
Top of screen (ft. MSL): 706.36 | Materials: PVC | Top of Casing elevation (ft. MSL): 720.47
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	17.64	17.65	17.66
Water elevation (ft. MSL):	702.83	702.82	702.81

3 Well Volumes (gal): 5.82 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	29.55	29.45	0.10

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

Equipment depth (ft. MSL:) 693.97 | Flow Rate (mL/min): 200 | Volume removed (gal): 0.8 | Volume sampled (L): 4.37
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-101A_25_03	USEPA 8260D - Appendix I VOCs & 1,3-Dichlorobenzene	(3) VOA Vial 40 mL - HCl	No
	USEPA 8270E - Bis(2-ethylhexyl)phthalate	(4) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - beta-BHC		No
	USEPA 8151A - 2,4,5-TP (Silvex)	(2) Amber Glass 1 Liter - Unpreserved	No
	USEPA 6020B - Appendix I Total Metals & Total Tin	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-101A	Weather:	Clear, 53° F, SE wind 15-25 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Field Analysis

			Final Reading
Time	14:27	14:29	14:32
Temp (°C)	14.39	14.43	14.23
Sp. Cond (umhos/cm)	1251.1	1245.0	12.34.1
pH	6.85	6.86	6.86
DO (mg/l)	1.13	1.07	1.09
ORP (mV)	215.0	214.8	214.8
Turbidity (NTU)	4.05	3.36	2.64

Comments:

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-101B | Weather: Clear, 53° F, SE wind 15-25 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 717.86
Top of screen (ft. MSL): 640.36 | Materials: PVC | Top of Casing elevation (ft. MSL): 720.33
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	17.42	17.41	18.17
Water elevation (ft. MSL):	702.91	702.92	702.16

3 Well Volumes (gal): 33.00 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	84.90	84.85	0.05

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

Equipment depth (ft. MSL:) 640.33 | Flow Rate (mL/min): 125 | Volume removed (gal): 1.2 | Volume sampled (L): 1.87
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-101B_25_03	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 8270E - Bis(2-ethylhexyl)phthalate	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 6020B - Appendix I Total Metals & Total Tin	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	13:36	13:40	13:45
Temp (°C)	13.71	13.75	13.80
Sp. Cond (umhos/cm)	1375.7	1378.2	1376.2
pH	7.13	7.13	7.14
DO (mg/l)	3.62	3.76	3.87
ORP (mV)	217.5	216.9	216.3
Turbidity (NTU)	0.00	0.00	0.21

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-101B	Weather:	Clear, 53° F, SE wind 15-25 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Comments:

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-102A | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 723.29
Top of screen (ft. MSL): 705.11 | Materials: PVC | Top of Casing elevation (ft. MSL): 725.57
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	22.68	N/A	N/A
Water elevation (ft. MSL)	702.89	N/A	N/A

3 Well Volumes (gal): 5.41 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	33.75	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, MW-102A is a water level only location.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-102B | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 723.68
Top of screen (ft. MSL): 651.28 | Materials: PVC | Top of Casing elevation (ft. MSL): 726.21
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	23.36	N/A	N/A
Water elevation (ft. MSL)	702.85	N/A	N/A

3 Well Volumes (gal): 31.61 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	88.00	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-102
In Spring 2025, MW-102B was a water level only location. The next annual monitoring event is scheduled for Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-103A	Weather:	Clear, 50° F, west wind @ 20-30 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in):	8	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	717.62
Top of screen (ft. MSL):	707.62	Materials:	PVC	Top of Casing elevation (ft. MSL):	720.34
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	16.84	N/A	N/A
Water elevation (ft. MSL)	703.50	N/A	N/A

3 Well Volumes (gal): 2.96 Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	22.90	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

Decontamination method:

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, MW-103A is a water level only location.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-103C | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 717.32
Top of screen (ft. MSL): 649.32 | Materials: PVC | Top of Casing elevation (ft. MSL): 719.90
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	16.39	N/A	N/A
Water elevation (ft. MSL)	703.51	N/A	N/A

3 Well Volumes (gal): 29.08 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	75.85	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-103C. In Spring 2025, MW-103C was a water level only location. The next annual monitoring event is scheduled for Fall 2025

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-104B | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 771.09
Top of screen (ft. MSL): 686.09 | Materials: PVC | Top of Casing elevation (ft. MSL): 773.35
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	64.55	N/A	N/A
Water elevation (ft. MSL)	708.80	N/A	N/A

3 Well Volumes (gal): 16.41 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	98.10	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-104B. In Spring 2025, MW-104B was a water level only location. The next annual monitoring event is scheduled for Fall 2025

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-105A | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 721.80
Top of screen (ft. MSL): 708.80 | Materials: PVC | Top of Casing elevation (ft. MSL): 723.97
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	22.17	N/A	N/A
Water elevation (ft. MSL)	701.80	N/A	N/A

3 Well Volumes (gal): 4.02 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	30.40	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-105A. In Spring 2025, MW-105A was a water level only location. The next annual monitoring event is scheduled for Fall 2025

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-105B | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 721.80
Top of screen (ft. MSL): 648.80 | Materials: PVC | Top of Casing elevation (ft. MSL): 724.00
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	22.24	N/A	N/A
Water elevation (ft. MSL)	701.76	N/A	N/A

3 Well Volumes (gal): 30.93 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	85.50	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-105B. In Spring 2025, MW-105B was a water level only location. The next annual monitoring event is scheduled for Fall 2025

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-106A | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 714.04
Top of screen (ft. MSL): 707.34 | Materials: PVC | Top of Casing elevation (ft. MSL): 716.19
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	13.92	N/A	N/A
Water elevation (ft. MSL)	702.27	N/A	N/A

3 Well Volumes (gal): 4.71 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	23.55	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-106A. In Spring 2025, MW-106A was a water level only location. The next annual monitoring event is scheduled for Fall 2025

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-107A | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 719.13
Top of screen (ft. MSL): 706.90 | Materials: PVC | Top of Casing elevation (ft. MSL): 721.65
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	19.27	N/A	N/A
Water elevation (ft. MSL)	702.38	N/A	N/A

3 Well Volumes (gal): 5.22 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	29.95	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-107A. In Spring 2025, MW-107A was a water level only location. The next annual monitoring event is scheduled for Fall 2025

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-107B | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 719.12
Top of screen (ft. MSL): 660.37 | Materials: PVC | Top of Casing elevation (ft. MSL): 721.91
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	19.16	N/A	N/A
Water elevation (ft. MSL)	702.75	N/A	N/A

3 Well Volumes (gal): 23.64 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	67.51	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-107B. In Spring 2025, MW-107B was a water level only location. The next annual monitoring event is scheduled for Fall 2025

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-108A | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 719.45
Top of screen (ft. MSL): 710.15 | Materials: PVC | Top of Casing elevation (ft. MSL): 719.11
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	14.86	N/A	N/A
Water elevation (ft. MSL)	704.25	N/A	N/A

3 Well Volumes (gal): 2.17 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	19.30	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, MW-108A is a water level only location.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-108B | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.25 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 719.45
Top of screen (ft. MSL): 646.77 | Materials: PVC | Top of Casing elevation (ft. MSL): 719.00
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	13.78	N/A	N/A
Water elevation (ft. MSL)	705.22	N/A	N/A

3 Well Volumes (gal): 30.77 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC)	76.70	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-108B. In Spring 2025, MW-108B was a water level only location. The next annual monitoring event is scheduled for Fall 2025

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-109A | Weather: Clear, 50° F, west wind @ 20-30 mph
Date: 3/24/2025 | Personnel: O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in): 8.25 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 721.23
Top of screen (ft. MSL): 707.23 | Materials: PVC | Top of Casing elevation (ft. MSL): 724.17
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	22.29	N/A	N/A
Water elevation (ft. MSL)	701.88	N/A	N/A

3 Well Volumes (gal): 2.52 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC)	27.45	N/A	N/A

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, annual monitoring was last conducted in Fall 2024 at MW-109A. In Spring 2025, MW-109A was a water level only location. The next annual monitoring event is scheduled for Fall 2025

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-109B	Weather:	Clear, 48° F, SE wind 5-10 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Monitoring Well Details

Borehole diameter (in):	8.25	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	721.27
Top of screen (ft. MSL):	650.27	Materials:	PVC	Top of Casing elevation (ft. MSL):	724.37
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	21.42	21.45	21.61
Water elevation (ft. MSL):	702.95	702.92	702.76

3 Well Volumes (gal): 30.63 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	84.05	83.65	0.40

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

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

Equipment depth (ft. MSL:)	645.37	Flow Rate (mL/min):	125	Volume removed (gal):	0.8
Well dry? (Y/N):	No	Odor? (Y/N):	No	Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-109B_25_03	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	11:17	11:21	11:25
Temp (°C)	11.01	11.13	11.20
Sp. Cond (umhos/cm)	2293.3	2296.3	2297.6
pH	5.88	5.86	5.84
DO (mg/l)	0.54	0.46	0.39
ORP (mV)	15.5	15.9	16.9
Turbidity (NTU)	0.00	0.00	0.00

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-109B	Weather:	Clear, 48° F, SE wind 5-10 mph
Date:	3/24/2025	Personnel:	O.A. Technical Services: Tyler Merritt

Comments:

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Gina Wilming
Foth Infrastructure & Environment, LLC
411 6th Avenue SE
Suite 400
Cedar Rapids, Iowa 52401

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JOB DESCRIPTION

CRLCSWA Site 1 - Spring 2025 Event

JOB NUMBER

310-302812-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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Authorization

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Job ID: 310-302812-1 Eurofins Cedar Falls

Job Narrative
310-302812-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/27/2025 10:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.6°C, 0.9°C, 1.5°C and 1.7°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) analyzed in batch 310-450044 was outside the method criteria for the following analyte: Bromomethane (-31.5%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. All samples were non-detects for the associated analyte; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Herbicides
Method 8151A: Surrogate recovery for the following samples were outside control limits: MW-13_25_03 (310-302812-2) and MW-32_25_03 (310-302812-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
Method 8081B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 310-450201 and analytical batch 310-450755 recovered outside control limits for the following analytes: Dieldrin. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8081B: The surrogate recovery for the blank and LCS associated with preparation batch 310-449979 and 310-450201 and analytical batch 310-450755 was outside the upper control limits.

Method 8081B: Surrogate recovery for the following samples were outside the upper control limit: MW-12_25_03 (310-302812-1), (310-302641-B-2-D) and (310-302641-B-2-I MS). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8081B: The continuing calibration verification (CCV) associated with batch 310-450755 recovered above the upper control limit for 4,4'-DDT. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081B: Surrogate recovery for the following samples were outside the upper control limit: MW-37_25_03 (310-302812-6) and MW-101A_25_03 (310-302812-8). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 310-302812-1 (Continued) Eurofins Cedar Falls

Metals
Method 6020B: The reference method requires samples to be preserved to a pH of <2. The following sample was received with insufficient preservation at a pH of >2: MW-13_25_03 (310-302812-2). The sample(s) was preserved to the appropriate pH in the laboratory.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-302812-1	MW-12_25_03	Water	03/25/25 17:15	03/27/25 10:45
310-302812-2	MW-13_25_03	Water	03/26/25 09:05	03/27/25 10:45
310-302812-3	MW-14_25_03	Water	03/26/25 10:35	03/27/25 10:45
310-302812-4	MW-32_25_03	Water	03/25/25 16:20	03/27/25 10:45
310-302812-5	MW-33_25_03	Water	03/25/25 15:40	03/27/25 10:45
310-302812-6	MW-37_25_03	Water	03/25/25 10:40	03/27/25 10:45
310-302812-7	MW-38_25_03	Water	03/25/25 10:20	03/27/25 10:45
310-302812-8	MW-101A_25_03	Water	03/25/25 14:35	03/27/25 10:45
310-302812-9	MW-101B_25_03	Water	03/25/25 13:50	03/27/25 10:45
310-302812-10	MW-109B_25_03	Water	03/25/25 11:30	03/27/25 10:45
310-302812-11	FD-1_25_03	Water	03/26/25 00:00	03/27/25 10:45
310-302812-12	FB-1_25_03	Water	03/25/25 09:40	03/27/25 10:45
310-302812-13	TB-1_25_03	Water	03/26/25 00:00	03/27/25 10:45

Detection Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Job ID: 310-302812-1

Client Sample ID: MW-12_25_03 — Lab Sample ID: 310-302812-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.20	J	10.0	2.10	ug/L	1		8260D	Total/NA
Chlorobenzene	2.56		1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	3.69		1.00	0.210	ug/L	1		8260D	Total/NA
1,2-Dichlorobenzene	0.988	J	1.00	0.370	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	2.47		1.00	0.230	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	2.89		1.00	0.220	ug/L	1		8260D	Total/NA
Vinyl chloride	0.454	J	1.00	0.180	ug/L	1		8260D	Total/NA
Antimony	0.00132	J	0.00200	0.00100	mg/L	1		6020B	Total/NA
Arsenic	0.0405		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.851		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00177		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000409	J	0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.0118		0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00227	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Total Suspended Solids	16.5		7.50	5.25	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-13_25_03 — Lab Sample ID: 310-302812-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.90		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	3.72		1.00	0.400	ug/L	1		8260D	Total/NA
Chloroethane	2.73	J	4.00	0.790	ug/L	1		8260D	Total/NA
1,2-Dichlorobenzene	2.25		1.00	0.370	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	14.5		1.00	0.230	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.830	J	1.00	0.220	ug/L	1		8260D	Total/NA
Arsenic	0.0411		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.846		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00178		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0119		0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00225	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Total Suspended Solids	110		30.0	21.0	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-14_25_03 — Lab Sample ID: 310-302812-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.755		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	1.85		1.00	0.400	ug/L	1		8260D	Total/NA
Chloroethane	1.28	J	4.00	0.790	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.369	J	1.00	0.210	ug/L	1		8260D	Total/NA
1,2-Dichlorobenzene	1.33		1.00	0.370	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	7.62		1.00	0.230	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.05		1.00	0.220	ug/L	1		8260D	Total/NA
Arsenic	0.0112		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.539		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000538		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0138		0.00500	0.00230	mg/L	1		6020B	Total/NA
Zinc	0.197		0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	32.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Client Sample ID: MW-32_25_03 — Lab Sample ID: 310-302812-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.245	J	0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	4.74		1.00	0.400	ug/L	1		8260D	Total/NA
1,2-Dichlorobenzene	0.561	J	1.00	0.370	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	2.63		1.00	0.230	ug/L	1		8260D	Total/NA
Arsenic	0.409		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.748		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00549		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000461	J	0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.0847		0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00173	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Total Suspended Solids	80.0		60.0	42.0	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-33_25_03 — Lab Sample ID: 310-302812-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	5.62		1.00	0.400	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	1.03		1.00	0.230	ug/L	1		8260D	Total/NA
Arsenic	0.0456		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.615		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00130		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000755		0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.00696		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	14.8		3.75	2.63	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-37_25_03 — Lab Sample ID: 310-302812-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0605		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000202	J	0.000500	0.000170	mg/L	1		6020B	Total/NA

Client Sample ID: MW-38_25_03 — Lab Sample ID: 310-302812-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00102	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0456		0.00200	0.000660	mg/L	1		6020B	Total/NA
Lead	0.000525		0.000500	0.000330	mg/L	1		6020B	Total/NA

Client Sample ID: MW-101A_25_03 — Lab Sample ID: 310-302812-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.122		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00138		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00277	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Selenium	0.00318	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Total Suspended Solids	3.75		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-101B_25_03 — Lab Sample ID: 310-302812-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000536	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.118		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000246	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000672		0.000500	0.000330	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-101B_25_03 (Continued) — Lab Sample ID: 310-302812-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.00215	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Tin	0.00552		0.00500	0.00250	mg/L	1		6020B	Total/NA

Client Sample ID: MW-109B_25_03 — Lab Sample ID: 310-302812-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	7.21		1.00	0.400	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	1.72		1.00	0.230	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.352	J	1.00	0.220	ug/L	1		8260D	Total/NA
Vinyl chloride	0.291	J	1.00	0.180	ug/L	1		8260D	Total/NA
Arsenic	0.0165		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.613		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.0157		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0315		0.00500	0.00230	mg/L	1		6020B	Total/NA
Thallium	0.00382		0.00100	0.000570	mg/L	1		6020B	Total/NA
Total Suspended Solids	7.67		5.00	3.50	mg/L	1		I-3765-85	Total/NA

Client Sample ID: FD-1_25_03 — Lab Sample ID: 310-302812-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	5.56		1.00	0.400	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	0.984	J	1.00	0.230	ug/L	1		8260D	Total/NA
Arsenic	0.0452		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.616		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00132		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00689		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	12.0		5.00	3.50	mg/L	1		I-3765-85	Total/NA

Client Sample ID: FB-1_25_03 — Lab Sample ID: 310-302812-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.000638		0.000500	0.000330	mg/L	1		6020B	Total/NA

Client Sample ID: TB-1_25_03 — Lab Sample ID: 310-302812-13

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Client Sample ID: MW-12_25_03
Lab Sample ID: 310-302812-1
Date Collected: 03/25/25 17:15
Matrix: Water
Date Received: 03/27/25 10:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			03/28/25 15:37	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/28/25 15:37	1
Benzene	<0.220		0.500	0.220	ug/L			03/28/25 15:37	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/28/25 15:37	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/28/25 15:37	1
Bromoform	<0.780		5.00	0.780	ug/L			03/28/25 15:37	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/28/25 15:37	1
2-Butanone (MEK)	**3.20**	**J**	10.0	2.10	ug/L			03/28/25 15:37	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/28/25 15:37	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/28/25 15:37	1
Chlorobenzene	**2.56**		1.00	0.400	ug/L			03/28/25 15:37	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/28/25 15:37	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/28/25 15:37	1
Chloroform	<1.30		3.00	1.30	ug/L			03/28/25 15:37	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/28/25 15:37	1
cis-1,2-Dichloroethene	**3.69**		1.00	0.210	ug/L			03/28/25 15:37	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/28/25 15:37	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/28/25 15:37	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/28/25 15:37	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/28/25 15:37	1
1,2-Dichlorobenzene	**0.988**	**J**	1.00	0.370	ug/L			03/28/25 15:37	1
1,4-Dichlorobenzene	**2.47**		1.00	0.230	ug/L			03/28/25 15:37	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			03/28/25 15:37	1
1,1-Dichloroethane	**2.89**		1.00	0.220	ug/L			03/28/25 15:37	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/28/25 15:37	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/28/25 15:37	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/28/25 15:37	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/28/25 15:37	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/28/25 15:37	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/28/25 15:37	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/28/25 15:37	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/28/25 15:37	1
Styrene	<0.370		1.00	0.370	ug/L			03/28/25 15:37	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/28/25 15:37	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/28/25 15:37	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/28/25 15:37	1
Toluene	<0.430		1.00	0.430	ug/L			03/28/25 15:37	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/28/25 15:37	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/28/25 15:37	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/28/25 15:37	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/28/25 15:37	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/28/25 15:37	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/28/25 15:37	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/28/25 15:37	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/28/25 15:37	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/28/25 15:37	1
Vinyl chloride	**0.454**	**J**	1.00	0.180	ug/L			03/28/25 15:37	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/28/25 15:37	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Client Sample ID: MW-12_25_03
Lab Sample ID: 310-302812-1

Date Collected: 03/25/25 17:15
Matrix: Water

Date Received: 03/27/25 10:45

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*03/28/25 15:37*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/28/25 15:37*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*03/28/25 15:37*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0385		0.0916	0.0385	ug/L		03/31/25 09:52	04/04/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*155*	*S1+*	*10 - 136*	*03/31/25 09:52*	*04/04/25 19:17*	*1*
Tetrachloro-m-xylene	*104*		*10 - 130*	*03/31/25 09:52*	*04/04/25 19:17*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00132**	**J**	0.00200	0.00100	mg/L		03/31/25 08:30	04/04/25 16:30	1
Arsenic	**0.0405**		0.00200	0.000530	mg/L		03/31/25 08:30	04/04/25 16:30	1
Barium	**0.851**		0.00200	0.000660	mg/L		03/31/25 08:30	04/04/25 16:30	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		03/31/25 08:30	04/04/25 16:30	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		03/31/25 08:30	04/04/25 16:30	1
Chromium	<0.00180		0.00500	0.00180	mg/L		03/31/25 08:30	04/04/25 16:30	1
Cobalt	**0.00177**		0.000500	0.000170	mg/L		03/31/25 08:30	04/04/25 16:30	1
Copper	<0.00320		0.00500	0.00320	mg/L		03/31/25 08:30	04/04/25 16:30	1
Lead	**0.000409**	**J**	0.000500	0.000330	mg/L		03/31/25 08:30	04/04/25 16:30	1
Nickel	**0.0118**		0.00500	0.00230	mg/L		03/31/25 08:30	04/04/25 16:30	1
Selenium	<0.00140		0.00500	0.00140	mg/L		03/31/25 08:30	04/04/25 16:30	1
Silver	<0.000500		0.00100	0.000500	mg/L		03/31/25 08:30	04/04/25 16:30	1
Thallium	<0.000570		0.00100	0.000570	mg/L		03/31/25 08:30	04/04/25 16:30	1
Vanadium	**0.00227**	**J**	0.00500	0.00170	mg/L		03/31/25 08:30	04/04/25 16:30	1
Zinc	<0.0130		0.0200	0.0130	mg/L		03/31/25 08:30	04/04/25 16:30	1
Tin	<0.00250		0.00500	0.00250	mg/L		03/31/25 08:30	04/04/25 16:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**16.5**		7.50	5.25	mg/L			03/27/25 19:44	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Client Sample ID: MW-13_25_03
Lab Sample ID: 310-302812-2
Date Collected: 03/26/25 09:05
Matrix: Water
Date Received: 03/27/25 10:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			03/28/25 16:00	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/28/25 16:00	1
Benzene	**2.90**		0.500	0.220	ug/L			03/28/25 16:00	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/28/25 16:00	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/28/25 16:00	1
Bromoform	<0.780		5.00	0.780	ug/L			03/28/25 16:00	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/28/25 16:00	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/28/25 16:00	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/28/25 16:00	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/28/25 16:00	1
Chlorobenzene	**3.72**		1.00	0.400	ug/L			03/28/25 16:00	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/28/25 16:00	1
Chloroethane	**2.73**	**J**	4.00	0.790	ug/L			03/28/25 16:00	1
Chloroform	<1.30		3.00	1.30	ug/L			03/28/25 16:00	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/28/25 16:00	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			03/28/25 16:00	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/28/25 16:00	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/28/25 16:00	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/28/25 16:00	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/28/25 16:00	1
1,2-Dichlorobenzene	**2.25**		1.00	0.370	ug/L			03/28/25 16:00	1
1,4-Dichlorobenzene	**14.5**		1.00	0.230	ug/L			03/28/25 16:00	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			03/28/25 16:00	1
1,1-Dichloroethane	**0.830**	**J**	1.00	0.220	ug/L			03/28/25 16:00	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/28/25 16:00	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/28/25 16:00	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/28/25 16:00	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/28/25 16:00	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/28/25 16:00	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/28/25 16:00	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/28/25 16:00	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/28/25 16:00	1
Styrene	<0.370		1.00	0.370	ug/L			03/28/25 16:00	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/28/25 16:00	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/28/25 16:00	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/28/25 16:00	1
Toluene	<0.430		1.00	0.430	ug/L			03/28/25 16:00	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/28/25 16:00	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/28/25 16:00	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/28/25 16:00	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/28/25 16:00	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/28/25 16:00	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/28/25 16:00	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/28/25 16:00	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/28/25 16:00	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/28/25 16:00	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/28/25 16:00	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/28/25 16:00	1

Client Sample ID: MW-13_25_03

Lab Sample ID: 310-302812-2

Date Collected: 03/26/25 09:05

Matrix: Water

Date Received: 03/27/25 10:45

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*73 - 130*		*03/28/25 16:00*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/28/25 16:00*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*03/28/25 16:00*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	<0.0234		0.0532	0.0234	ug/L		04/01/25 15:00	04/02/25 10:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*17*	*S1-*	*34 - 142*	*04/01/25 15:00*	*04/02/25 10:00*	*1*
2,4-Dichlorophenylacetic acid (Surr)	*17*	*S1-*	*34 - 142*	*04/01/25 15:00*	*04/02/25 10:00*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		03/31/25 08:30	04/04/25 16:33	1
Arsenic	**0.0411**		0.00200	0.000530	mg/L		03/31/25 08:30	04/04/25 16:33	1
Barium	**0.846**		0.00200	0.000660	mg/L		03/31/25 08:30	04/04/25 16:33	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		03/31/25 08:30	04/04/25 16:33	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		03/31/25 08:30	04/04/25 16:33	1
Chromium	<0.00180		0.00500	0.00180	mg/L		03/31/25 08:30	04/04/25 16:33	1
Cobalt	**0.00178**		0.000500	0.000170	mg/L		03/31/25 08:30	04/04/25 16:33	1
Copper	<0.00320		0.00500	0.00320	mg/L		03/31/25 08:30	04/04/25 16:33	1
Lead	<0.000330		0.000500	0.000330	mg/L		03/31/25 08:30	04/04/25 16:33	1
Nickel	**0.0119**		0.00500	0.00230	mg/L		03/31/25 08:30	04/04/25 16:33	1
Selenium	<0.00140		0.00500	0.00140	mg/L		03/31/25 08:30	04/04/25 16:33	1
Silver	<0.000500		0.00100	0.000500	mg/L		03/31/25 08:30	04/04/25 16:33	1
Thallium	<0.000570		0.00100	0.000570	mg/L		03/31/25 08:30	04/04/25 16:33	1
Vanadium	**0.00225**	**J**	0.00500	0.00170	mg/L		03/31/25 08:30	04/04/25 16:33	1
Zinc	<0.0130		0.0200	0.0130	mg/L		03/31/25 08:30	04/04/25 16:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**110**		30.0	21.0	mg/L			03/27/25 19:44	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Job ID: 310-302812-1

Client Sample ID: MW-14_25_03
Date Collected: 03/26/25 10:35
Date Received: 03/27/25 10:45

Lab Sample ID: 310-302812-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			03/28/25 16:22	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/28/25 16:22	1
Benzene	**0.755**		0.500	0.220	ug/L			03/28/25 16:22	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/28/25 16:22	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/28/25 16:22	1
Bromoform	<0.780		5.00	0.780	ug/L			03/28/25 16:22	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/28/25 16:22	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/28/25 16:22	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/28/25 16:22	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/28/25 16:22	1
Chlorobenzene	**1.85**		1.00	0.400	ug/L			03/28/25 16:22	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/28/25 16:22	1
Chloroethane	**1.28**	**J**	4.00	0.790	ug/L			03/28/25 16:22	1
Chloroform	<1.30		3.00	1.30	ug/L			03/28/25 16:22	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/28/25 16:22	1
cis-1,2-Dichloroethene	**0.369**	**J**	1.00	0.210	ug/L			03/28/25 16:22	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/28/25 16:22	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/28/25 16:22	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/28/25 16:22	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/28/25 16:22	1
1,2-Dichlorobenzene	**1.33**		1.00	0.370	ug/L			03/28/25 16:22	1
1,4-Dichlorobenzene	**7.62**		1.00	0.230	ug/L			03/28/25 16:22	1
1,1-Dichloroethane	**1.05**		1.00	0.220	ug/L			03/28/25 16:22	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/28/25 16:22	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/28/25 16:22	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/28/25 16:22	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/28/25 16:22	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/28/25 16:22	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/28/25 16:22	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/28/25 16:22	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/28/25 16:22	1
Styrene	<0.370		1.00	0.370	ug/L			03/28/25 16:22	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/28/25 16:22	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/28/25 16:22	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/28/25 16:22	1
Toluene	<0.430		1.00	0.430	ug/L			03/28/25 16:22	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/28/25 16:22	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/28/25 16:22	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/28/25 16:22	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/28/25 16:22	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/28/25 16:22	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/28/25 16:22	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/28/25 16:22	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/28/25 16:22	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/28/25 16:22	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/28/25 16:22	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/28/25 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*73 - 130*		*03/28/25 16:22*	*1*

Client Sample ID: MW-14_25_03
Lab Sample ID: 310-302812-3
Date Collected: 03/26/25 10:35
Matrix: Water
Date Received: 03/27/25 10:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/28/25 16:22*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*03/28/25 16:22*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		03/31/25 08:30	04/04/25 16:35	1
Arsenic	**0.0112**		0.00200	0.000530	mg/L		03/31/25 08:30	04/04/25 16:35	1
Barium	**0.539**		0.00200	0.000660	mg/L		03/31/25 08:30	04/04/25 16:35	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		03/31/25 08:30	04/04/25 16:35	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		03/31/25 08:30	04/04/25 16:35	1
Chromium	<0.00180		0.00500	0.00180	mg/L		03/31/25 08:30	04/04/25 16:35	1
Cobalt	**0.000538**		0.000500	0.000170	mg/L		03/31/25 08:30	04/04/25 16:35	1
Copper	<0.00320		0.00500	0.00320	mg/L		03/31/25 08:30	04/04/25 16:35	1
Lead	<0.000330		0.000500	0.000330	mg/L		03/31/25 08:30	04/04/25 16:35	1
Nickel	**0.0138**		0.00500	0.00230	mg/L		03/31/25 08:30	04/04/25 16:35	1
Selenium	<0.00140		0.00500	0.00140	mg/L		03/31/25 08:30	04/04/25 16:35	1
Silver	<0.000500		0.00100	0.000500	mg/L		03/31/25 08:30	04/04/25 16:35	1
Thallium	<0.000570		0.00100	0.000570	mg/L		03/31/25 08:30	04/04/25 16:35	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		03/31/25 08:30	04/04/25 16:35	1
Zinc	**0.197**		0.0200	0.0130	mg/L		03/31/25 08:30	04/04/25 16:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**32.0**		15.0	10.5	mg/L			03/27/25 20:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Job ID: 310-302812-1

Client Sample ID: MW-32_25_03
Date Collected: 03/25/25 16:20
Date Received: 03/27/25 10:45

Lab Sample ID: 310-302812-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			03/28/25 16:45	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/28/25 16:45	1
Benzene	**0.245**	**J**	0.500	0.220	ug/L			03/28/25 16:45	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/28/25 16:45	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/28/25 16:45	1
Bromoform	<0.780		5.00	0.780	ug/L			03/28/25 16:45	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/28/25 16:45	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/28/25 16:45	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/28/25 16:45	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/28/25 16:45	1
Chlorobenzene	**4.74**		1.00	0.400	ug/L			03/28/25 16:45	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/28/25 16:45	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/28/25 16:45	1
Chloroform	<1.30		3.00	1.30	ug/L			03/28/25 16:45	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/28/25 16:45	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			03/28/25 16:45	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/28/25 16:45	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/28/25 16:45	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/28/25 16:45	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/28/25 16:45	1
1,2-Dichlorobenzene	**0.561**	**J**	1.00	0.370	ug/L			03/28/25 16:45	1
1,4-Dichlorobenzene	**2.63**		1.00	0.230	ug/L			03/28/25 16:45	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			03/28/25 16:45	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/28/25 16:45	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/28/25 16:45	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/28/25 16:45	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/28/25 16:45	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/28/25 16:45	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/28/25 16:45	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/28/25 16:45	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/28/25 16:45	1
Styrene	<0.370		1.00	0.370	ug/L			03/28/25 16:45	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/28/25 16:45	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/28/25 16:45	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/28/25 16:45	1
Toluene	<0.430		1.00	0.430	ug/L			03/28/25 16:45	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/28/25 16:45	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/28/25 16:45	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/28/25 16:45	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/28/25 16:45	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/28/25 16:45	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/28/25 16:45	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/28/25 16:45	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/28/25 16:45	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/28/25 16:45	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/28/25 16:45	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/28/25 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*73 - 130*		*03/28/25 16:45*	*1*

Client Sample ID: MW-32_25_03
Lab Sample ID: 310-302812-4
Date Collected: 03/25/25 16:20
Matrix: Water
Date Received: 03/27/25 10:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/28/25 16:45*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*03/28/25 16:45*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	<5.73		10.4	5.73	ug/L		03/28/25 07:51	04/01/25 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*75*		*45 - 129*	*03/28/25 07:51*	*04/01/25 00:07*	*1*
2-Fluorobiphenyl (Surr)	*66*		*39 - 118*	*03/28/25 07:51*	*04/01/25 00:07*	*1*
Terphenyl-d14 (Surr)	*80*		*12 - 144*	*03/28/25 07:51*	*04/01/25 00:07*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	<0.0237		0.0539	0.0237	ug/L		04/01/25 15:00	04/02/25 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*14*	*S1-*	*34 - 142*	*04/01/25 15:00*	*04/02/25 10:29*	*1*
2,4-Dichlorophenylacetic acid (Surr)	*15*	*S1-*	*34 - 142*	*04/01/25 15:00*	*04/02/25 10:29*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		03/31/25 08:30	04/01/25 15:49	1
Arsenic	**0.409**		0.00200	0.000530	mg/L		03/31/25 08:30	04/01/25 15:49	1
Barium	**0.748**		0.00200	0.000660	mg/L		03/31/25 08:30	04/01/25 15:49	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		03/31/25 08:30	04/01/25 15:49	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		03/31/25 08:30	04/01/25 15:49	1
Chromium	<0.00180		0.00500	0.00180	mg/L		03/31/25 08:30	04/01/25 15:49	1
Cobalt	**0.00549**		0.000500	0.000170	mg/L		03/31/25 08:30	04/01/25 15:49	1
Copper	<0.00320		0.00500	0.00320	mg/L		03/31/25 08:30	04/02/25 13:59	1
Lead	**0.000461**	**J**	0.000500	0.000330	mg/L		03/31/25 08:30	04/01/25 15:49	1
Nickel	**0.0847**		0.00500	0.00230	mg/L		03/31/25 08:30	04/01/25 15:49	1
Selenium	<0.00140		0.00500	0.00140	mg/L		03/31/25 08:30	04/01/25 15:49	1
Silver	<0.000500		0.00100	0.000500	mg/L		03/31/25 08:30	04/01/25 15:49	1
Thallium	<0.000570		0.00100	0.000570	mg/L		03/31/25 08:30	04/01/25 15:49	1
Vanadium	**0.00173**	**J**	0.00500	0.00170	mg/L		03/31/25 08:30	04/01/25 15:49	1
Zinc	<0.0130		0.0200	0.0130	mg/L		03/31/25 08:30	04/01/25 15:49	1
Tin	<0.00250		0.00500	0.00250	mg/L		03/31/25 08:30	04/01/25 15:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**80.0**		60.0	42.0	mg/L			03/27/25 19:44	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Job ID: 310-302812-1

Client Sample ID: MW-33_25_03
Date Collected: 03/25/25 15:40
Date Received: 03/27/25 10:45

Lab Sample ID: 310-302812-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			03/28/25 17:07	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/28/25 17:07	1
Benzene	<0.220		0.500	0.220	ug/L			03/28/25 17:07	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/28/25 17:07	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/28/25 17:07	1
Bromoform	<0.780		5.00	0.780	ug/L			03/28/25 17:07	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/28/25 17:07	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/28/25 17:07	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/28/25 17:07	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/28/25 17:07	1
Chlorobenzene	**5.62**		1.00	0.400	ug/L			03/28/25 17:07	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/28/25 17:07	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/28/25 17:07	1
Chloroform	<1.30		3.00	1.30	ug/L			03/28/25 17:07	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/28/25 17:07	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			03/28/25 17:07	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/28/25 17:07	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/28/25 17:07	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/28/25 17:07	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/28/25 17:07	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			03/28/25 17:07	1
1,4-Dichlorobenzene	**1.03**		1.00	0.230	ug/L			03/28/25 17:07	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			03/28/25 17:07	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/28/25 17:07	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/28/25 17:07	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/28/25 17:07	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/28/25 17:07	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/28/25 17:07	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/28/25 17:07	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/28/25 17:07	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/28/25 17:07	1
Styrene	<0.370		1.00	0.370	ug/L			03/28/25 17:07	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/28/25 17:07	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/28/25 17:07	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/28/25 17:07	1
Toluene	<0.430		1.00	0.430	ug/L			03/28/25 17:07	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/28/25 17:07	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/28/25 17:07	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/28/25 17:07	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/28/25 17:07	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/28/25 17:07	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/28/25 17:07	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/28/25 17:07	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/28/25 17:07	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/28/25 17:07	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/28/25 17:07	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/28/25 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*03/28/25 17:07*	*1*

Client Sample ID: MW-33_25_03
Lab Sample ID: 310-302812-5
Date Collected: 03/25/25 15:40
Matrix: Water
Date Received: 03/27/25 10:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/28/25 17:07*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*03/28/25 17:07*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	<5.61		10.2	5.61	ug/L		03/28/25 07:51	04/01/25 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*90*		*45 - 129*	*03/28/25 07:51*	*04/01/25 00:33*	*1*
2-Fluorobiphenyl (Surr)	*81*		*39 - 118*	*03/28/25 07:51*	*04/01/25 00:33*	*1*
Terphenyl-d14 (Surr)	*83*		*12 - 144*	*03/28/25 07:51*	*04/01/25 00:33*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		03/31/25 08:30	04/04/25 16:38	1
Arsenic	**0.0456**		0.00200	0.000530	mg/L		03/31/25 08:30	04/04/25 16:38	1
Barium	**0.615**		0.00200	0.000660	mg/L		03/31/25 08:30	04/04/25 16:38	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		03/31/25 08:30	04/04/25 16:38	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		03/31/25 08:30	04/04/25 16:38	1
Chromium	<0.00180		0.00500	0.00180	mg/L		03/31/25 08:30	04/04/25 16:38	1
Cobalt	**0.00130**		0.000500	0.000170	mg/L		03/31/25 08:30	04/04/25 16:38	1
Copper	<0.00320		0.00500	0.00320	mg/L		03/31/25 08:30	04/04/25 16:38	1
Lead	**0.000755**		0.000500	0.000330	mg/L		03/31/25 08:30	04/04/25 16:38	1
Nickel	**0.00696**		0.00500	0.00230	mg/L		03/31/25 08:30	04/04/25 16:38	1
Selenium	<0.00140		0.00500	0.00140	mg/L		03/31/25 08:30	04/04/25 16:38	1
Silver	<0.000500		0.00100	0.000500	mg/L		03/31/25 08:30	04/04/25 16:38	1
Thallium	<0.000570		0.00100	0.000570	mg/L		03/31/25 08:30	04/04/25 16:38	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		03/31/25 08:30	04/04/25 16:38	1
Zinc	<0.0130		0.0200	0.0130	mg/L		03/31/25 08:30	04/04/25 16:38	1
Tin	<0.00250		0.00500	0.00250	mg/L		03/31/25 08:30	04/04/25 16:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**14.8**		3.75	2.63	mg/L			03/27/25 18:47	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Client Sample ID: MW-37_25_03
Lab Sample ID: 310-302812-6
Date Collected: 03/25/25 10:40
Matrix: Water
Date Received: 03/27/25 10:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			03/28/25 17:30	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/28/25 17:30	1
Benzene	<0.220		0.500	0.220	ug/L			03/28/25 17:30	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/28/25 17:30	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/28/25 17:30	1
Bromoform	<0.780		5.00	0.780	ug/L			03/28/25 17:30	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/28/25 17:30	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/28/25 17:30	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/28/25 17:30	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/28/25 17:30	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			03/28/25 17:30	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/28/25 17:30	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/28/25 17:30	1
Chloroform	<1.30		3.00	1.30	ug/L			03/28/25 17:30	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/28/25 17:30	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			03/28/25 17:30	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/28/25 17:30	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/28/25 17:30	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/28/25 17:30	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/28/25 17:30	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			03/28/25 17:30	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			03/28/25 17:30	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			03/28/25 17:30	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			03/28/25 17:30	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/28/25 17:30	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/28/25 17:30	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/28/25 17:30	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/28/25 17:30	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/28/25 17:30	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/28/25 17:30	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/28/25 17:30	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/28/25 17:30	1
Styrene	<0.370		1.00	0.370	ug/L			03/28/25 17:30	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/28/25 17:30	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/28/25 17:30	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/28/25 17:30	1
Toluene	<0.430		1.00	0.430	ug/L			03/28/25 17:30	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/28/25 17:30	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/28/25 17:30	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/28/25 17:30	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/28/25 17:30	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/28/25 17:30	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/28/25 17:30	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/28/25 17:30	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/28/25 17:30	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/28/25 17:30	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/28/25 17:30	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/28/25 17:30	1

Client Sample ID: MW-37_25_03
Lab Sample ID: 310-302812-6
Date Collected: 03/25/25 10:40
Matrix: Water
Date Received: 03/27/25 10:45

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*107*		*73 - 130*		*03/28/25 17:30*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/28/25 17:30*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*03/28/25 17:30*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	<5.85		10.6	5.85	ug/L		03/28/25 07:51	04/01/25 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*81*		*45 - 129*	*03/28/25 07:51*	*04/01/25 00:59*	*1*
2-Fluorobiphenyl (Surr)	*72*		*39 - 118*	*03/28/25 07:51*	*04/01/25 00:59*	*1*
Terphenyl-d14 (Surr)	*74*		*12 - 144*	*03/28/25 07:51*	*04/01/25 00:59*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0393		0.0936	0.0393	ug/L		03/31/25 09:52	04/07/25 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*178*	*S1+*	*10 - 136*	*03/31/25 09:52*	*04/07/25 10:51*	*1*
Tetrachloro-m-xylene	*86*		*10 - 130*	*03/31/25 09:52*	*04/07/25 10:51*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	<0.0282		0.0642	0.0282	ug/L		04/01/25 15:00	04/02/25 10:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*64*		*34 - 142*	*04/01/25 15:00*	*04/02/25 10:57*	*1*
2,4-Dichlorophenylacetic acid (Surr)	*60*		*34 - 142*	*04/01/25 15:00*	*04/02/25 10:57*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		03/31/25 08:30	04/04/25 16:40	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		03/31/25 08:30	04/04/25 16:40	1
Barium	**0.0605**		0.00200	0.000660	mg/L		03/31/25 08:30	04/04/25 16:40	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		03/31/25 08:30	04/04/25 16:40	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		03/31/25 08:30	04/04/25 16:40	1
Chromium	<0.00180		0.00500	0.00180	mg/L		03/31/25 08:30	04/04/25 16:40	1
Cobalt	**0.000202**	**J**	0.000500	0.000170	mg/L		03/31/25 08:30	04/04/25 16:40	1
Copper	<0.00320		0.00500	0.00320	mg/L		03/31/25 08:30	04/04/25 16:40	1
Lead	<0.000330		0.000500	0.000330	mg/L		03/31/25 08:30	04/04/25 16:40	1
Nickel	<0.00230		0.00500	0.00230	mg/L		03/31/25 08:30	04/04/25 16:40	1
Selenium	<0.00140		0.00500	0.00140	mg/L		03/31/25 08:30	04/04/25 16:40	1
Silver	<0.000500		0.00100	0.000500	mg/L		03/31/25 08:30	04/04/25 16:40	1
Thallium	<0.000570		0.00100	0.000570	mg/L		03/31/25 08:30	04/04/25 16:40	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		03/31/25 08:30	04/04/25 16:40	1
Zinc	<0.0130		0.0200	0.0130	mg/L		03/31/25 08:30	04/04/25 16:40	1
Tin	<0.00250		0.00500	0.00250	mg/L		03/31/25 08:30	04/04/25 16:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.31		1.88	1.31	mg/L			03/27/25 18:47	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Job ID: 310-302812-1

Client Sample ID: MW-38_25_03
Date Collected: 03/25/25 10:20
Date Received: 03/27/25 10:45

Lab Sample ID: 310-302812-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			03/28/25 17:53	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/28/25 17:53	1
Benzene	<0.220		0.500	0.220	ug/L			03/28/25 17:53	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/28/25 17:53	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/28/25 17:53	1
Bromoform	<0.780		5.00	0.780	ug/L			03/28/25 17:53	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/28/25 17:53	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/28/25 17:53	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/28/25 17:53	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/28/25 17:53	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			03/28/25 17:53	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/28/25 17:53	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/28/25 17:53	1
Chloroform	<1.30		3.00	1.30	ug/L			03/28/25 17:53	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/28/25 17:53	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			03/28/25 17:53	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/28/25 17:53	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/28/25 17:53	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/28/25 17:53	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/28/25 17:53	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			03/28/25 17:53	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			03/28/25 17:53	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			03/28/25 17:53	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/28/25 17:53	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/28/25 17:53	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/28/25 17:53	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/28/25 17:53	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/28/25 17:53	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/28/25 17:53	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/28/25 17:53	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/28/25 17:53	1
Styrene	<0.370		1.00	0.370	ug/L			03/28/25 17:53	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/28/25 17:53	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/28/25 17:53	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/28/25 17:53	1
Toluene	<0.430		1.00	0.430	ug/L			03/28/25 17:53	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/28/25 17:53	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/28/25 17:53	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/28/25 17:53	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/28/25 17:53	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/28/25 17:53	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/28/25 17:53	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/28/25 17:53	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/28/25 17:53	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/28/25 17:53	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/28/25 17:53	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/28/25 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*73 - 130*		*03/28/25 17:53*	*1*

Client Sample ID: MW-38_25_03
Lab Sample ID: 310-302812-7
Date Collected: 03/25/25 10:20
Matrix: Water
Date Received: 03/27/25 10:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/28/25 17:53*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*03/28/25 17:53*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	<5.73		10.4	5.73	ug/L		03/28/25 07:51	04/01/25 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*80*		*45 - 129*	*03/28/25 07:51*	*04/01/25 01:24*	*1*
2-Fluorobiphenyl (Surr)	*72*		*39 - 118*	*03/28/25 07:51*	*04/01/25 01:24*	*1*
Terphenyl-d14 (Surr)	*73*		*12 - 144*	*03/28/25 07:51*	*04/01/25 01:24*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		03/31/25 08:30	04/04/25 16:42	1
Arsenic	**0.00102**	**J**	0.00200	0.000530	mg/L		03/31/25 08:30	04/04/25 16:42	1
Barium	**0.0456**		0.00200	0.000660	mg/L		03/31/25 08:30	04/04/25 16:42	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		03/31/25 08:30	04/04/25 16:42	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		03/31/25 08:30	04/04/25 16:42	1
Chromium	<0.00180		0.00500	0.00180	mg/L		03/31/25 08:30	04/04/25 16:42	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		03/31/25 08:30	04/04/25 16:42	1
Copper	<0.00320		0.00500	0.00320	mg/L		03/31/25 08:30	04/04/25 16:42	1
Lead	**0.000525**		0.000500	0.000330	mg/L		03/31/25 08:30	04/04/25 16:42	1
Nickel	<0.00230		0.00500	0.00230	mg/L		03/31/25 08:30	04/04/25 16:42	1
Selenium	<0.00140		0.00500	0.00140	mg/L		03/31/25 08:30	04/04/25 16:42	1
Silver	<0.000500		0.00100	0.000500	mg/L		03/31/25 08:30	04/04/25 16:42	1
Thallium	<0.000570		0.00100	0.000570	mg/L		03/31/25 08:30	04/04/25 16:42	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		03/31/25 08:30	04/04/25 16:42	1
Zinc	<0.0130		0.0200	0.0130	mg/L		03/31/25 08:30	04/04/25 16:42	1
Tin	<0.00250		0.00500	0.00250	mg/L		03/31/25 08:30	04/04/25 16:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.31		1.88	1.31	mg/L			03/27/25 18:47	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Client Sample ID: MW-101A_25_03
Lab Sample ID: 310-302812-8
Date Collected: 03/25/25 14:35
Matrix: Water
Date Received: 03/27/25 10:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			03/28/25 18:15	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/28/25 18:15	1
Benzene	<0.220		0.500	0.220	ug/L			03/28/25 18:15	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/28/25 18:15	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/28/25 18:15	1
Bromoform	<0.780		5.00	0.780	ug/L			03/28/25 18:15	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/28/25 18:15	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/28/25 18:15	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/28/25 18:15	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/28/25 18:15	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			03/28/25 18:15	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/28/25 18:15	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/28/25 18:15	1
Chloroform	<1.30		3.00	1.30	ug/L			03/28/25 18:15	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/28/25 18:15	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			03/28/25 18:15	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/28/25 18:15	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/28/25 18:15	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/28/25 18:15	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/28/25 18:15	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			03/28/25 18:15	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			03/28/25 18:15	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			03/28/25 18:15	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			03/28/25 18:15	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/28/25 18:15	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/28/25 18:15	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/28/25 18:15	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/28/25 18:15	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/28/25 18:15	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/28/25 18:15	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/28/25 18:15	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/28/25 18:15	1
Styrene	<0.370		1.00	0.370	ug/L			03/28/25 18:15	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/28/25 18:15	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/28/25 18:15	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/28/25 18:15	1
Toluene	<0.430		1.00	0.430	ug/L			03/28/25 18:15	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/28/25 18:15	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/28/25 18:15	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/28/25 18:15	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/28/25 18:15	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/28/25 18:15	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/28/25 18:15	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/28/25 18:15	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/28/25 18:15	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/28/25 18:15	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/28/25 18:15	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/28/25 18:15	1

Client Sample ID: MW-101A_25_03
Lab Sample ID: 310-302812-8
Date Collected: 03/25/25 14:35
Matrix: Water
Date Received: 03/27/25 10:45

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*03/28/25 18:15*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/28/25 18:15*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*03/28/25 18:15*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	<5.73		10.4	5.73	ug/L		03/28/25 07:51	04/01/25 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*67*		*45 - 129*	*03/28/25 07:51*	*04/01/25 01:50*	*1*
2-Fluorobiphenyl (Surr)	*62*		*39 - 118*	*03/28/25 07:51*	*04/01/25 01:50*	*1*
Terphenyl-d14 (Surr)	*67*		*12 - 144*	*03/28/25 07:51*	*04/01/25 01:50*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0392		0.0933	0.0392	ug/L		03/31/25 09:52	04/07/25 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*178*	*S1+*	*10 - 136*	*03/31/25 09:52*	*04/07/25 11:04*	*1*
Tetrachloro-m-xylene	*101*		*10 - 130*	*03/31/25 09:52*	*04/07/25 11:04*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	<0.0230		0.0523	0.0230	ug/L		04/01/25 15:00	04/02/25 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*62*		*34 - 142*	*04/01/25 15:00*	*04/02/25 11:25*	*1*
2,4-Dichlorophenylacetic acid (Surr)	*58*		*34 - 142*	*04/01/25 15:00*	*04/02/25 11:25*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		03/31/25 08:30	04/01/25 14:42	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		03/31/25 08:30	04/01/25 14:42	1
Barium	**0.122**		0.00200	0.000660	mg/L		03/31/25 08:30	04/01/25 14:42	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		03/31/25 08:30	04/01/25 14:42	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		03/31/25 08:30	04/01/25 14:42	1
Chromium	<0.00180		0.00500	0.00180	mg/L		03/31/25 08:30	04/01/25 14:42	1
Cobalt	**0.00138**		0.000500	0.000170	mg/L		03/31/25 08:30	04/01/25 14:42	1
Copper	<0.00320		0.00500	0.00320	mg/L		03/31/25 08:30	04/01/25 14:42	1
Lead	<0.000330		0.000500	0.000330	mg/L		03/31/25 08:30	04/01/25 14:42	1
Nickel	**0.00277**	**J**	0.00500	0.00230	mg/L		03/31/25 08:30	04/01/25 14:42	1
Selenium	**0.00318**	**J**	0.00500	0.00140	mg/L		03/31/25 08:30	04/01/25 14:42	1
Silver	<0.000500		0.00100	0.000500	mg/L		03/31/25 08:30	04/01/25 14:42	1
Thallium	<0.000570		0.00100	0.000570	mg/L		03/31/25 08:30	04/01/25 14:42	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		03/31/25 08:30	04/01/25 14:42	1
Zinc	<0.0130		0.0200	0.0130	mg/L		03/31/25 08:30	04/01/25 14:42	1
Tin	<0.00250		0.00500	0.00250	mg/L		03/31/25 08:30	04/01/25 14:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**3.75**		1.88	1.31	mg/L			03/27/25 20:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Job ID: 310-302812-1

Client Sample ID: MW-101B_25_03
Date Collected: 03/25/25 13:50
Date Received: 03/27/25 10:45

Lab Sample ID: 310-302812-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			03/28/25 18:38	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/28/25 18:38	1
Benzene	<0.220		0.500	0.220	ug/L			03/28/25 18:38	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/28/25 18:38	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/28/25 18:38	1
Bromoform	<0.780		5.00	0.780	ug/L			03/28/25 18:38	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/28/25 18:38	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/28/25 18:38	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/28/25 18:38	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/28/25 18:38	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			03/28/25 18:38	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/28/25 18:38	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/28/25 18:38	1
Chloroform	<1.30		3.00	1.30	ug/L			03/28/25 18:38	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/28/25 18:38	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			03/28/25 18:38	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/28/25 18:38	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/28/25 18:38	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/28/25 18:38	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/28/25 18:38	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			03/28/25 18:38	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			03/28/25 18:38	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			03/28/25 18:38	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/28/25 18:38	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/28/25 18:38	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/28/25 18:38	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/28/25 18:38	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/28/25 18:38	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/28/25 18:38	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/28/25 18:38	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/28/25 18:38	1
Styrene	<0.370		1.00	0.370	ug/L			03/28/25 18:38	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/28/25 18:38	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/28/25 18:38	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/28/25 18:38	1
Toluene	<0.430		1.00	0.430	ug/L			03/28/25 18:38	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/28/25 18:38	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/28/25 18:38	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/28/25 18:38	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/28/25 18:38	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/28/25 18:38	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/28/25 18:38	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/28/25 18:38	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/28/25 18:38	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/28/25 18:38	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/28/25 18:38	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/28/25 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*73 - 130*		*03/28/25 18:38*	*1*

Client Sample ID: MW-101B_25_03
Lab Sample ID: 310-302812-9
Date Collected: 03/25/25 13:50
Matrix: Water
Date Received: 03/27/25 10:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/28/25 18:38*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*03/28/25 18:38*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	<5.73		10.4	5.73	ug/L		03/28/25 07:51	04/01/25 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*67*		*45 - 129*	*03/28/25 07:51*	*04/01/25 02:16*	*1*
2-Fluorobiphenyl (Surr)	*60*		*39 - 118*	*03/28/25 07:51*	*04/01/25 02:16*	*1*
Terphenyl-d14 (Surr)	*60*		*12 - 144*	*03/28/25 07:51*	*04/01/25 02:16*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		03/31/25 08:30	04/04/25 16:47	1
Arsenic	**0.000536**	**J**	0.00200	0.000530	mg/L		03/31/25 08:30	04/04/25 16:47	1
Barium	**0.118**		0.00200	0.000660	mg/L		03/31/25 08:30	04/04/25 16:47	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		03/31/25 08:30	04/04/25 16:47	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		03/31/25 08:30	04/04/25 16:47	1
Chromium	<0.00180		0.00500	0.00180	mg/L		03/31/25 08:30	04/04/25 16:47	1
Cobalt	**0.000246**	**J**	0.000500	0.000170	mg/L		03/31/25 08:30	04/04/25 16:47	1
Copper	<0.00320		0.00500	0.00320	mg/L		03/31/25 08:30	04/04/25 16:47	1
Lead	**0.000672**		0.000500	0.000330	mg/L		03/31/25 08:30	04/04/25 16:47	1
Nickel	<0.00230		0.00500	0.00230	mg/L		03/31/25 08:30	04/04/25 16:47	1
Selenium	**0.00215**	**J**	0.00500	0.00140	mg/L		03/31/25 08:30	04/04/25 16:47	1
Silver	<0.000500		0.00100	0.000500	mg/L		03/31/25 08:30	04/04/25 16:47	1
Thallium	<0.000570		0.00100	0.000570	mg/L		03/31/25 08:30	04/04/25 16:47	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		03/31/25 08:30	04/04/25 16:47	1
Zinc	<0.0130		0.0200	0.0130	mg/L		03/31/25 08:30	04/04/25 16:47	1
Tin	**0.00552**		0.00500	0.00250	mg/L		03/31/25 08:30	04/04/25 16:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.31		1.88	1.31	mg/L			03/27/25 19:44	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Job ID: 310-302812-1

Client Sample ID: MW-109B_25_03
Date Collected: 03/25/25 11:30
Date Received: 03/27/25 10:45

Lab Sample ID: 310-302812-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			03/28/25 19:00	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/28/25 19:00	1
Benzene	<0.220		0.500	0.220	ug/L			03/28/25 19:00	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/28/25 19:00	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/28/25 19:00	1
Bromoform	<0.780		5.00	0.780	ug/L			03/28/25 19:00	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/28/25 19:00	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/28/25 19:00	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/28/25 19:00	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/28/25 19:00	1
Chlorobenzene	**7.21**		1.00	0.400	ug/L			03/28/25 19:00	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/28/25 19:00	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/28/25 19:00	1
Chloroform	<1.30		3.00	1.30	ug/L			03/28/25 19:00	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/28/25 19:00	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			03/28/25 19:00	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/28/25 19:00	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/28/25 19:00	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/28/25 19:00	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/28/25 19:00	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			03/28/25 19:00	1
1,4-Dichlorobenzene	**1.72**		1.00	0.230	ug/L			03/28/25 19:00	1
1,1-Dichloroethane	**0.352**	**J**	1.00	0.220	ug/L			03/28/25 19:00	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/28/25 19:00	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/28/25 19:00	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/28/25 19:00	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/28/25 19:00	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/28/25 19:00	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/28/25 19:00	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/28/25 19:00	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/28/25 19:00	1
Styrene	<0.370		1.00	0.370	ug/L			03/28/25 19:00	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/28/25 19:00	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/28/25 19:00	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/28/25 19:00	1
Toluene	<0.430		1.00	0.430	ug/L			03/28/25 19:00	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/28/25 19:00	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/28/25 19:00	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/28/25 19:00	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/28/25 19:00	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/28/25 19:00	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/28/25 19:00	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/28/25 19:00	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/28/25 19:00	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/28/25 19:00	1
Vinyl chloride	**0.291**	**J**	1.00	0.180	ug/L			03/28/25 19:00	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/28/25 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*03/28/25 19:00*	*1*

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Client Sample ID: MW-109B_25_03
Lab Sample ID: 310-302812-10
Date Collected: 03/25/25 11:30
Matrix: Water
Date Received: 03/27/25 10:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/28/25 19:00*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*03/28/25 19:00*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		03/31/25 08:30	04/04/25 16:50	1
Arsenic	**0.0165**		0.00200	0.000530	mg/L		03/31/25 08:30	04/04/25 16:50	1
Barium	**0.613**		0.00200	0.000660	mg/L		03/31/25 08:30	04/04/25 16:50	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		03/31/25 08:30	04/04/25 16:50	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		03/31/25 08:30	04/04/25 16:50	1
Chromium	<0.00180		0.00500	0.00180	mg/L		03/31/25 08:30	04/04/25 16:50	1
Cobalt	**0.0157**		0.000500	0.000170	mg/L		03/31/25 08:30	04/04/25 16:50	1
Copper	<0.00320		0.00500	0.00320	mg/L		03/31/25 08:30	04/04/25 16:50	1
Lead	<0.000330		0.000500	0.000330	mg/L		03/31/25 08:30	04/04/25 16:50	1
Nickel	**0.0315**		0.00500	0.00230	mg/L		03/31/25 08:30	04/04/25 16:50	1
Selenium	<0.00140		0.00500	0.00140	mg/L		03/31/25 08:30	04/04/25 16:50	1
Silver	<0.000500		0.00100	0.000500	mg/L		03/31/25 08:30	04/04/25 16:50	1
Thallium	**0.00382**		0.00100	0.000570	mg/L		03/31/25 08:30	04/04/25 16:50	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		03/31/25 08:30	04/04/25 16:50	1
Zinc	<0.0130		0.0200	0.0130	mg/L		03/31/25 08:30	04/04/25 16:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**7.67**		5.00	3.50	mg/L			03/27/25 20:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Job ID: 310-302812-1

Client Sample ID: FD-1_25_03
Date Collected: 03/26/25 00:00
Date Received: 03/27/25 10:45

Lab Sample ID: 310-302812-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			03/28/25 19:23	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/28/25 19:23	1
Benzene	<0.220		0.500	0.220	ug/L			03/28/25 19:23	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/28/25 19:23	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/28/25 19:23	1
Bromoform	<0.780		5.00	0.780	ug/L			03/28/25 19:23	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/28/25 19:23	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/28/25 19:23	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/28/25 19:23	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/28/25 19:23	1
Chlorobenzene	**5.56**		1.00	0.400	ug/L			03/28/25 19:23	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/28/25 19:23	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/28/25 19:23	1
Chloroform	<1.30		3.00	1.30	ug/L			03/28/25 19:23	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/28/25 19:23	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			03/28/25 19:23	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/28/25 19:23	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/28/25 19:23	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/28/25 19:23	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/28/25 19:23	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			03/28/25 19:23	1
1,4-Dichlorobenzene	**0.984**	**J**	1.00	0.230	ug/L			03/28/25 19:23	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			03/28/25 19:23	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/28/25 19:23	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/28/25 19:23	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/28/25 19:23	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/28/25 19:23	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/28/25 19:23	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/28/25 19:23	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/28/25 19:23	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/28/25 19:23	1
Styrene	<0.370		1.00	0.370	ug/L			03/28/25 19:23	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/28/25 19:23	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/28/25 19:23	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/28/25 19:23	1
Toluene	<0.430		1.00	0.430	ug/L			03/28/25 19:23	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/28/25 19:23	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/28/25 19:23	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/28/25 19:23	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/28/25 19:23	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/28/25 19:23	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/28/25 19:23	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/28/25 19:23	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/28/25 19:23	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/28/25 19:23	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/28/25 19:23	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/28/25 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*03/28/25 19:23*	*1*

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Client Sample ID: FD-1_25_03
Lab Sample ID: 310-302812-11
Date Collected: 03/26/25 00:00
Matrix: Water
Date Received: 03/27/25 10:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/28/25 19:23*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*03/28/25 19:23*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		03/31/25 08:30	04/04/25 16:52	1
Arsenic	**0.0452**		0.00200	0.000530	mg/L		03/31/25 08:30	04/04/25 16:52	1
Barium	**0.616**		0.00200	0.000660	mg/L		03/31/25 08:30	04/04/25 16:52	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		03/31/25 08:30	04/04/25 16:52	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		03/31/25 08:30	04/04/25 16:52	1
Chromium	<0.00180		0.00500	0.00180	mg/L		03/31/25 08:30	04/04/25 16:52	1
Cobalt	**0.00132**		0.000500	0.000170	mg/L		03/31/25 08:30	04/04/25 16:52	1
Copper	<0.00320		0.00500	0.00320	mg/L		03/31/25 08:30	04/04/25 16:52	1
Lead	<0.000330		0.000500	0.000330	mg/L		03/31/25 08:30	04/04/25 16:52	1
Nickel	**0.00689**		0.00500	0.00230	mg/L		03/31/25 08:30	04/04/25 16:52	1
Selenium	<0.00140		0.00500	0.00140	mg/L		03/31/25 08:30	04/04/25 16:52	1
Silver	<0.000500		0.00100	0.000500	mg/L		03/31/25 08:30	04/04/25 16:52	1
Thallium	<0.000570		0.00100	0.000570	mg/L		03/31/25 08:30	04/04/25 16:52	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		03/31/25 08:30	04/04/25 16:52	1
Zinc	<0.0130		0.0200	0.0130	mg/L		03/31/25 08:30	04/04/25 16:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**12.0**		5.00	3.50	mg/L			03/27/25 18:47	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Client Sample ID: FB-1_25_03
Lab Sample ID: 310-302812-12
Date Collected: 03/25/25 09:40
Matrix: Water
Date Received: 03/27/25 10:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			03/28/25 13:00	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/28/25 13:00	1
Benzene	<0.220		0.500	0.220	ug/L			03/28/25 13:00	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/28/25 13:00	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/28/25 13:00	1
Bromoform	<0.780		5.00	0.780	ug/L			03/28/25 13:00	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/28/25 13:00	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/28/25 13:00	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/28/25 13:00	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/28/25 13:00	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			03/28/25 13:00	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/28/25 13:00	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/28/25 13:00	1
Chloroform	<1.30		3.00	1.30	ug/L			03/28/25 13:00	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/28/25 13:00	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			03/28/25 13:00	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/28/25 13:00	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/28/25 13:00	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/28/25 13:00	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/28/25 13:00	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			03/28/25 13:00	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			03/28/25 13:00	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			03/28/25 13:00	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			03/28/25 13:00	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/28/25 13:00	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/28/25 13:00	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/28/25 13:00	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/28/25 13:00	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/28/25 13:00	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/28/25 13:00	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/28/25 13:00	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/28/25 13:00	1
Styrene	<0.370		1.00	0.370	ug/L			03/28/25 13:00	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/28/25 13:00	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/28/25 13:00	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/28/25 13:00	1
Toluene	<0.430		1.00	0.430	ug/L			03/28/25 13:00	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/28/25 13:00	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/28/25 13:00	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/28/25 13:00	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/28/25 13:00	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/28/25 13:00	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/28/25 13:00	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/28/25 13:00	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/28/25 13:00	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/28/25 13:00	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/28/25 13:00	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/28/25 13:00	1

Client Sample ID: FB-1_25_03
Lab Sample ID: 310-302812-12
Date Collected: 03/25/25 09:40
Matrix: Water
Date Received: 03/27/25 10:45

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*03/28/25 13:00*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/28/25 13:00*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*03/28/25 13:00*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	<5.61		10.2	5.61	ug/L		03/28/25 08:02	04/01/25 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*109*		*45 - 129*	*03/28/25 08:02*	*04/01/25 02:42*	*1*
2-Fluorobiphenyl (Surr)	*103*		*39 - 118*	*03/28/25 08:02*	*04/01/25 02:42*	*1*
Terphenyl-d14 (Surr)	*120*		*12 - 144*	*03/28/25 08:02*	*04/01/25 02:42*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0392		0.0933	0.0392	ug/L		03/31/25 09:52	04/07/25 11:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*129*		*10 - 136*	*03/31/25 09:52*	*04/07/25 11:17*	*1*
Tetrachloro-m-xylene	*74*		*10 - 130*	*03/31/25 09:52*	*04/07/25 11:17*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	<0.0235		0.0535	0.0235	ug/L		04/01/25 15:00	04/02/25 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*73*		*34 - 142*	*04/01/25 15:00*	*04/02/25 13:19*	*1*
2,4-Dichlorophenylacetic acid (Surr)	*70*		*34 - 142*	*04/01/25 15:00*	*04/02/25 13:19*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		03/31/25 08:30	04/04/25 16:45	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		03/31/25 08:30	04/04/25 16:45	1
Barium	<0.000660		0.00200	0.000660	mg/L		03/31/25 08:30	04/04/25 16:45	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		03/31/25 08:30	04/04/25 16:45	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		03/31/25 08:30	04/04/25 16:45	1
Chromium	<0.00180		0.00500	0.00180	mg/L		03/31/25 08:30	04/04/25 16:45	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		03/31/25 08:30	04/04/25 16:45	1
Copper	<0.00320		0.00500	0.00320	mg/L		03/31/25 08:30	04/04/25 16:45	1
Lead	**0.000638**		0.000500	0.000330	mg/L		03/31/25 08:30	04/04/25 16:45	1
Nickel	<0.00230		0.00500	0.00230	mg/L		03/31/25 08:30	04/04/25 16:45	1
Selenium	<0.00140		0.00500	0.00140	mg/L		03/31/25 08:30	04/04/25 16:45	1
Silver	<0.000500		0.00100	0.000500	mg/L		03/31/25 08:30	04/04/25 16:45	1
Thallium	<0.000570		0.00100	0.000570	mg/L		03/31/25 08:30	04/04/25 16:45	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		03/31/25 08:30	04/04/25 16:45	1
Zinc	<0.0130		0.0200	0.0130	mg/L		03/31/25 08:30	04/04/25 16:45	1
Tin	<0.00250		0.00500	0.00250	mg/L		03/31/25 08:30	04/04/25 16:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<3.50		5.00	3.50	mg/L			03/27/25 20:35	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Client Sample ID: TB-1_25_03
Lab Sample ID: 310-302812-13
Date Collected: 03/26/25 00:00
Matrix: Water
Date Received: 03/27/25 10:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/28/25 13:23	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/28/25 13:23	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/28/25 13:23	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/28/25 13:23	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			03/28/25 13:23	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/28/25 13:23	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/28/25 13:23	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/28/25 13:23	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/28/25 13:23	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			03/28/25 13:23	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/28/25 13:23	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/28/25 13:23	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			03/28/25 13:23	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			03/28/25 13:23	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/28/25 13:23	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/28/25 13:23	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/28/25 13:23	1
Acetone	<3.10		10.0	3.10	ug/L			03/28/25 13:23	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/28/25 13:23	1
Benzene	<0.220		0.500	0.220	ug/L			03/28/25 13:23	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/28/25 13:23	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/28/25 13:23	1
Bromoform	<0.780		5.00	0.780	ug/L			03/28/25 13:23	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/28/25 13:23	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/28/25 13:23	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/28/25 13:23	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			03/28/25 13:23	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/28/25 13:23	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/28/25 13:23	1
Chloroform	<1.30		3.00	1.30	ug/L			03/28/25 13:23	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/28/25 13:23	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			03/28/25 13:23	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/28/25 13:23	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/28/25 13:23	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/28/25 13:23	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/28/25 13:23	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/28/25 13:23	1
Styrene	<0.370		1.00	0.370	ug/L			03/28/25 13:23	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/28/25 13:23	1
Toluene	<0.430		1.00	0.430	ug/L			03/28/25 13:23	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/28/25 13:23	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/28/25 13:23	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/28/25 13:23	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/28/25 13:23	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/28/25 13:23	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/28/25 13:23	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/28/25 13:23	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/28/25 13:23	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Client Sample ID: TB-1_25_03
Lab Sample ID: 310-302812-13
Date Collected: 03/26/25 00:00
Matrix: Water
Date Received: 03/27/25 10:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		73 - 130		03/28/25 13:23	1
Toluene-d8 (Surr)	100		80 - 120		03/28/25 13:23	1
4-Bromofluorobenzene (Surr)	102		80 - 120		03/28/25 13:23	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Job ID: 310-302812-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(73-130)	(80-120)	(80-120)
310-302808-G-1 MS	Matrix Spike	94	101	99
310-302808-G-1 MSD	Matrix Spike Duplicate	95	101	99
310-302812-1	MW-12_25_03	106	99	101
310-302812-2	MW-13_25_03	101	97	102
310-302812-3	MW-14_25_03	104	96	101
310-302812-4	MW-32_25_03	103	98	100
310-302812-5	MW-33_25_03	106	97	102
310-302812-6	MW-37_25_03	107	97	103
310-302812-7	MW-38_25_03	104	97	104
310-302812-8	MW-101A_25_03	106	97	104
310-302812-9	MW-101B_25_03	104	98	104
310-302812-10	MW-109B_25_03	106	99	103
310-302812-11	FD-1_25_03	106	98	100
310-302812-12	FB-1_25_03	106	99	100
310-302812-13	TB-1_25_03	103	100	102
LCS 310-450044/7	Lab Control Sample	92	100	101
LCS 310-450044/8	Lab Control Sample	107	99	99
MB 310-450044/6	Method Blank	106	100	103

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	FBP	TPHL
Lab Sample ID	Client Sample ID	(45-129)	(39-118)	(12-144)
310-302812-4	MW-32_25_03	75	66	80
310-302812-5	MW-33_25_03	90	81	83
310-302812-6	MW-37_25_03	81	72	74
310-302812-7	MW-38_25_03	80	72	73
310-302812-8	MW-101A_25_03	67	62	67
310-302812-9	MW-101B_25_03	67	60	60
310-302812-12	FB-1_25_03	109	103	120
310-302892-C-3-A MS	Matrix Spike	83	76	80
310-302892-C-3-B MSD	Matrix Spike Duplicate	78	69	76
LCS 310-450032/2-A	Lab Control Sample	83	70	73
MB 310-450032/1-A	Method Blank	94	76	87

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TPHL = Terphenyl-d14 (Surr)

Surrogate Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		DCB1	TCX1										
Lab Sample ID	Client Sample ID	(10-136)	(10-130)										
310-302812-1	MW-12_25_03	155 S1+	104										
310-302812-6	MW-37_25_03	178 S1+	86										
310-302812-8	MW-101A_25_03	178 S1+	101										
310-302812-12	FB-1_25_03	129	74										
LB 310-449979/1-E	Method Blank	214 S1+	123										
LCS 310-450201/3-A	Lab Control Sample	169 S1+	117										
MB 310-450201/1-A	Method Blank	143 S1+	92										

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)											
		DCB1	TCX1										
Lab Sample ID	Client Sample ID	(10-136)	(10-130)										
310-302641-B-2-I MS	Matrix Spike	148 S1+	106										
310-302641-B-2-J MSD	Matrix Spike Duplicate		111										

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		DCPAA1	DCPAA2										
Lab Sample ID	Client Sample ID	(34-142)	(34-142)										
310-302812-2	MW-13_25_03	17 S1-	17 S1-										
310-302812-4	MW-32_25_03	14 S1-	15 S1-										
310-302812-6	MW-37_25_03	64	60										
310-302812-8	MW-101A_25_03	62	58										
310-302812-12	FB-1_25_03	73	70										
LCS 410-624734/2-A	Lab Control Sample	73	72										
LCS 410-624734/2-A - DL	Lab Control Sample	90	89										
LCSD 410-624734/3-A - DL	Lab Control Sample Dup	93	89										
LCSD 410-624734/3-A	Lab Control Sample Dup	79	76										
MB 410-624734/1-A	Method Blank	68	65										

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-450044/6
Matrix: Water
Analysis Batch: 450044

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/28/25 11:07	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/28/25 11:07	1
Acetone	<3.10		10.0	3.10	ug/L			03/28/25 11:07	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/28/25 11:07	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/28/25 11:07	1
Benzene	<0.220		0.500	0.220	ug/L			03/28/25 11:07	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			03/28/25 11:07	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/28/25 11:07	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			03/28/25 11:07	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/28/25 11:07	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			03/28/25 11:07	1
Bromoform	<0.780		5.00	0.780	ug/L			03/28/25 11:07	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			03/28/25 11:07	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/28/25 11:07	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/28/25 11:07	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/28/25 11:07	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/28/25 11:07	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/28/25 11:07	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/28/25 11:07	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			03/28/25 11:07	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/28/25 11:07	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/28/25 11:07	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/28/25 11:07	1
Chloroform	<1.30		3.00	1.30	ug/L			03/28/25 11:07	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/28/25 11:07	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/28/25 11:07	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			03/28/25 11:07	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/28/25 11:07	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/28/25 11:07	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/28/25 11:07	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/28/25 11:07	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/28/25 11:07	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/28/25 11:07	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/28/25 11:07	1
Styrene	<0.370		1.00	0.370	ug/L			03/28/25 11:07	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/28/25 11:07	1
Toluene	<0.430		1.00	0.430	ug/L			03/28/25 11:07	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/28/25 11:07	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/28/25 11:07	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/28/25 11:07	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/28/25 11:07	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/28/25 11:07	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/28/25 11:07	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/28/25 11:07	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/28/25 11:07	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/28/25 11:07	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/28/25 11:07	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/28/25 11:07	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-450044/6
Matrix: Water
Analysis Batch: 450044

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*03/28/25 11:07*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/28/25 11:07*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*03/28/25 11:07*	*1*

Lab Sample ID: LCS 310-450044/7
Matrix: Water
Analysis Batch: 450044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	40.0	34.64		ug/L		87	50 - 150
1,2-Dibromo-3-chloropropane	20.0	16.70		ug/L		84	50 - 150
Acetone	40.0	32.40		ug/L		81	50 - 150
1,2-Dibromoethane (EDB)	20.0	17.18		ug/L		86	75 - 125
Acrylonitrile	200	165.6		ug/L		83	50 - 150
Benzene	20.0	17.32		ug/L		87	72 - 124
1,2-Dichlorobenzene	20.0	17.13		ug/L		86	74 - 120
Bromochloromethane	20.0	18.14		ug/L		91	73 - 130
1,4-Dichlorobenzene	20.0	16.91		ug/L		85	72 - 120
Bromodichloromethane	20.0	16.32		ug/L		82	74 - 122
1,3-Dichlorobenzene	20.0	16.75		ug/L		84	72 - 120
Bromoform	20.0	16.72		ug/L		84	61 - 122
1,1-Dichloroethane	20.0	18.20		ug/L		91	70 - 127
1,2-Dichloroethane	20.0	16.73		ug/L		84	71 - 125
Carbon disulfide	20.0	17.06		ug/L		85	59 - 135
1,1-Dichloroethene	20.0	17.23		ug/L		86	63 - 132
Carbon tetrachloride	20.0	16.10		ug/L		81	67 - 132
1,2-Dichloropropane	20.0	16.39		ug/L		82	73 - 124
Chlorobenzene	20.0	16.87		ug/L		84	76 - 120
Chlorodibromomethane	20.0	16.43		ug/L		82	71 - 121
2-Hexanone	40.0	34.54		ug/L		86	60 - 140
Chloroform	20.0	17.77		ug/L		89	72 - 125
4-Methyl-2-pentanone (MIBK)	40.0	35.44		ug/L		89	60 - 139
cis-1,2-Dichloroethene	20.0	17.44		ug/L		87	74 - 123
cis-1,3-Dichloropropene	20.0	17.20		ug/L		86	71 - 125
Dibromomethane	20.0	17.10		ug/L		85	74 - 125
Ethylbenzene	20.0	17.28		ug/L		86	74 - 122
1,1,1,2-Tetrachloroethane	20.0	17.17		ug/L		86	71 - 120
Iodomethane	20.0	11.13		ug/L		56	10 - 150
1,1,2,2-Tetrachloroethane	20.0	17.15		ug/L		86	68 - 124
Methylene chloride	20.0	18.19		ug/L		91	50 - 150
Styrene	20.0	17.18		ug/L		86	74 - 121
Tetrachloroethene	20.0	16.78		ug/L		84	71 - 130
Toluene	20.0	17.69		ug/L		88	74 - 123
1,1,1-Trichloroethane	20.0	16.96		ug/L		85	73 - 129
trans-1,2-Dichloroethene	20.0	17.42		ug/L		87	70 - 126
1,1,2-Trichloroethane	20.0	17.26		ug/L		86	73 - 123
trans-1,3-Dichloropropene	20.0	16.45		ug/L		82	69 - 123
trans-1,4-Dichloro-2-butene	20.0	17.60		ug/L		88	50 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-450044/7
Matrix: Water
Analysis Batch: 450044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Trichloroethene			20.0	17.30		ug/L		87	72 - 126		
1,2,3-Trichloropropane			20.0	17.13		ug/L		86	65 - 127		
Vinyl acetate			40.0	32.39		ug/L		81	50 - 150		
Xylenes, Total			40.0	34.31		ug/L		86	73 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*92*		*73 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Lab Sample ID: LCS 310-450044/8
Matrix: Water
Analysis Batch: 450044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromomethane			20.0	12.29		ug/L		61	23 - 150		
Chloroethane			20.0	15.78		ug/L		79	54 - 136		
Chloromethane			20.0	15.38		ug/L		77	38 - 150		
Trichlorofluoromethane			20.0	16.63		ug/L		83	54 - 149		
Vinyl chloride			20.0	16.73		ug/L		84	56 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*107*		*73 - 130*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: 310-302808-G-1 MS
Matrix: Water
Analysis Batch: 450044

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Butanone (MEK)	<2.10		50.0	33.30		ug/L		67	38 - 150		
1,2-Dibromo-3-chloropropane	<1.20		25.0	18.72		ug/L		75	38 - 150		
Acetone	<3.10		50.0	49.56		ug/L		99	31 - 150		
1,2-Dibromoethane (EDB)	<0.340		25.0	20.28		ug/L		81	60 - 130		
Acrylonitrile	<2.20		250	187.1		ug/L		75	40 - 150		
Benzene	<0.220		25.0	19.96		ug/L		80	46 - 130		
1,2-Dichlorobenzene	<0.370		25.0	20.70		ug/L		83	59 - 130		
Bromochloromethane	<0.540		25.0	21.78		ug/L		87	57 - 130		
1,4-Dichlorobenzene	<0.230		25.0	20.29		ug/L		81	57 - 130		
Bromodichloromethane	<0.390		25.0	19.24		ug/L		77	57 - 130		
1,3-Dichlorobenzene	<0.300		25.0	20.24		ug/L		81	57 - 130		
Bromoform	<0.780		25.0	19.10		ug/L		76	44 - 130		
1,1-Dichloroethane	<0.220		25.0	21.13		ug/L		85	49 - 130		
1,2-Dichloroethane	<0.390		25.0	19.21		ug/L		77	51 - 130		
Carbon disulfide	<0.450		25.0	22.26		ug/L		89	38 - 135		
1,1-Dichloroethene	<0.560		25.0	20.34		ug/L		81	37 - 132		
Carbon tetrachloride	<0.650		25.0	18.08		ug/L		72	45 - 132		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-302808-G-1 MS
Matrix: Water
Analysis Batch: 450044

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	<0.270		25.0	18.85		ug/L		75	57 - 130
Chlorobenzene	<0.400		25.0	20.08		ug/L		80	59 - 130
Chlorodibromomethane	<0.750		25.0	20.07		ug/L		80	54 - 130
2-Hexanone	<2.00		50.0	38.25		ug/L		77	46 - 140
Chloroform	<1.30		25.0	21.31		ug/L		85	51 - 130
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	37.85		ug/L		76	47 - 139
cis-1,2-Dichloroethene	<0.210		25.0	20.51		ug/L		82	45 - 130
cis-1,3-Dichloropropene	<0.250		25.0	18.34		ug/L		73	53 - 130
Dibromomethane	<0.330		25.0	20.53		ug/L		82	59 - 130
Ethylbenzene	<0.310		25.0	19.97		ug/L		80	45 - 130
1,1,1,2-Tetrachloroethane	<0.380		25.0	20.06		ug/L		80	55 - 130
Iodomethane	<7.00		25.0	11.87		ug/L		47	10 - 150
1,1,2,2-Tetrachloroethane	<0.470		25.0	19.77		ug/L		79	54 - 130
Methylene chloride	<1.70		25.0	21.88		ug/L		88	37 - 150
Styrene	<0.370		25.0	20.98		ug/L		84	47 - 130
Tetrachloroethene	<0.480		25.0	18.58		ug/L		74	47 - 130
Toluene	<0.430		25.0	20.64		ug/L		83	51 - 130
1,1,1-Trichloroethane	<0.190		25.0	18.89		ug/L		76	52 - 130
trans-1,2-Dichloroethene	<0.270		25.0	20.35		ug/L		81	48 - 130
1,1,2-Trichloroethane	<0.450		25.0	19.64		ug/L		79	58 - 130
trans-1,3-Dichloropropene	<0.560		25.0	17.21		ug/L		69	50 - 130
trans-1,4-Dichloro-2-butene	<1.10		25.0	17.95		ug/L		72	26 - 150
Trichloroethene	<0.430		25.0	20.02		ug/L		80	51 - 130
1,2,3-Trichloropropane	<0.590		25.0	19.95		ug/L		80	49 - 130
Vinyl acetate	<2.50	F1	50.0	10.21	F1	ug/L		20	29 - 150
Xylenes, Total	<0.400		50.0	39.76		ug/L		80	43 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*94*		*73 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: 310-302808-G-1 MSD
Matrix: Water
Analysis Batch: 450044

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Butanone (MEK)	<2.10		50.0	36.72		ug/L		73	38 - 150	10	20
1,2-Dibromo-3-chloropropane	<1.20		25.0	18.87		ug/L		75	38 - 150	1	20
Acetone	<3.10		50.0	46.96		ug/L		94	31 - 150	5	29
1,2-Dibromoethane (EDB)	<0.340		25.0	20.67		ug/L		83	60 - 130	2	20
Acrylonitrile	<2.20		250	196.3		ug/L		79	40 - 150	5	20
Benzene	<0.220		25.0	19.65		ug/L		79	46 - 130	2	20
1,2-Dichlorobenzene	<0.370		25.0	20.82		ug/L		83	59 - 130	1	20
Bromochloromethane	<0.540		25.0	21.48		ug/L		86	57 - 130	1	20
1,4-Dichlorobenzene	<0.230		25.0	20.17		ug/L		81	57 - 130	1	20
Bromodichloromethane	<0.390		25.0	19.63		ug/L		79	57 - 130	2	20
1,3-Dichlorobenzene	<0.300		25.0	20.12		ug/L		80	57 - 130	1	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-302808-G-1 MSD
Matrix: Water
Analysis Batch: 450044

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromoform	<0.780		25.0	19.07		ug/L		76	44 - 130	0	20
1,1-Dichloroethane	<0.220		25.0	20.99		ug/L		84	49 - 130	1	20
1,2-Dichloroethane	<0.390		25.0	19.38		ug/L		78	51 - 130	1	20
Carbon disulfide	<0.450		25.0	20.13		ug/L		81	38 - 135	10	30
1,1-Dichloroethene	<0.560		25.0	19.83		ug/L		79	37 - 132	3	26
Carbon tetrachloride	<0.650		25.0	18.44		ug/L		74	45 - 132	2	20
1,2-Dichloropropane	<0.270		25.0	19.13		ug/L		77	57 - 130	2	20
Chlorobenzene	<0.400		25.0	19.63		ug/L		79	59 - 130	2	20
Chlorodibromomethane	<0.750		25.0	19.66		ug/L		79	54 - 130	2	20
2-Hexanone	<2.00		50.0	39.99		ug/L		80	46 - 140	4	20
Chloroform	<1.30		25.0	21.06		ug/L		84	51 - 130	1	20
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	40.37		ug/L		81	47 - 139	6	20
cis-1,2-Dichloroethene	<0.210		25.0	20.64		ug/L		83	45 - 130	1	20
cis-1,3-Dichloropropene	<0.250		25.0	18.22		ug/L		73	53 - 130	1	20
Dibromomethane	<0.330		25.0	21.16		ug/L		85	59 - 130	3	20
Ethylbenzene	<0.310		25.0	19.65		ug/L		79	45 - 130	2	20
1,1,1,2-Tetrachloroethane	<0.380		25.0	19.88		ug/L		80	55 - 130	1	20
Iodomethane	<7.00		25.0	13.35		ug/L		53	10 - 150	12	35
1,1,2,2-Tetrachloroethane	<0.470		25.0	19.60		ug/L		78	54 - 130	1	20
Methylene chloride	<1.70		25.0	21.39		ug/L		86	37 - 150	2	24
Styrene	<0.370		25.0	20.24		ug/L		81	47 - 130	4	20
Tetrachloroethene	<0.480		25.0	19.11		ug/L		76	47 - 130	3	20
Toluene	<0.430		25.0	20.62		ug/L		82	51 - 130	0	20
1,1,1-Trichloroethane	<0.190		25.0	19.09		ug/L		76	52 - 130	1	20
trans-1,2-Dichloroethene	<0.270		25.0	19.80		ug/L		79	48 - 130	3	22
1,1,2-Trichloroethane	<0.450		25.0	19.64		ug/L		79	58 - 130	0	20
trans-1,3-Dichloropropene	<0.560		25.0	17.86		ug/L		71	50 - 130	4	20
trans-1,4-Dichloro-2-butene	<1.10		25.0	17.64		ug/L		71	26 - 150	2	23
Trichloroethene	<0.430		25.0	19.81		ug/L		79	51 - 130	1	20
1,2,3-Trichloropropane	<0.590		25.0	19.70		ug/L		79	49 - 130	1	26
Vinyl acetate	<2.50	F1	50.0	10.46	F1	ug/L		21	29 - 150	2	23
Xylenes, Total	<0.400		50.0	39.28		ug/L		79	43 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*95*		*73 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 310-450032/1-A
Matrix: Water
Analysis Batch: 450275

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 450032

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	<5.50		10.0	5.50	ug/L		03/28/25 07:51	03/31/25 21:58	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-450032/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 450275
Prep Batch: 450032

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	94		45 - 129	03/28/25 07:51	03/31/25 21:58	1
2-Fluorobiphenyl (Surr)	76		39 - 118	03/28/25 07:51	03/31/25 21:58	1
Terphenyl-d14 (Surr)	87		12 - 144	03/28/25 07:51	03/31/25 21:58	1

Lab Sample ID: LCS 310-450032/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 450275
Prep Batch: 450032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate	100	76.71		ug/L		77	43 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	83		45 - 129
2-Fluorobiphenyl (Surr)	70		39 - 118
Terphenyl-d14 (Surr)	73		12 - 144

Lab Sample ID: 310-302892-C-3-A MS
Client Sample ID: Matrix Spike
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 450275
Prep Batch: 450032

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate	<5.39		96.2	68.07		ug/L		71	43 - 143

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5 (Surr)	83		45 - 129
2-Fluorobiphenyl (Surr)	76		39 - 118
Terphenyl-d14 (Surr)	80		12 - 144

Lab Sample ID: 310-302892-C-3-B MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 450275
Prep Batch: 450032

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	<5.39		96.2	58.74		ug/L		61	43 - 143	15	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	78		45 - 129
2-Fluorobiphenyl (Surr)	69		39 - 118
Terphenyl-d14 (Surr)	76		12 - 144

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: LB 310-449979/1-E
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 450755
Prep Batch: 450201

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0381		0.0907	0.0381	ug/L		03/31/25 09:52	04/04/25 15:24	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	214	S1+	10 - 136	03/31/25 09:52	04/04/25 15:24	1
Tetrachloro-m-xylene	123		10 - 130	03/31/25 09:52	04/04/25 15:24	1

Lab Sample ID: MB 310-450201/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450755 — **Prep Batch: 450201**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.0411		0.0978	0.0411	ug/L		03/31/25 09:52	04/04/25 15:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	143	S1+	10 - 136	03/31/25 09:52	04/04/25 15:11	1
Tetrachloro-m-xylene	92		10 - 130	03/31/25 09:52	04/04/25 15:11	1

Lab Sample ID: LCS 310-450201/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450755 — **Prep Batch: 450201**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	169	S1+	10 - 136
Tetrachloro-m-xylene	117		10 - 130

Lab Sample ID: 310-302641-B-2-I MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: TCLP**
Analysis Batch: 450755 — **Prep Batch: 450201**

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	148	S1+	10 - 136
Tetrachloro-m-xylene	106		10 - 130

Lab Sample ID: 310-302641-B-2-J MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: TCLP**
Analysis Batch: 450755 — **Prep Batch: 450201**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	111		10 - 130

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-624734/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 624977 — **Prep Batch: 624734**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	<0.0220		0.0500	0.0220	ug/L		04/01/25 15:00	04/02/25 07:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	68		34 - 142	04/01/25 15:00	04/02/25 07:10	1
2,4-Dichlorophenylacetic acid (Surr)	65		34 - 142	04/01/25 15:00	04/02/25 07:10	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 410-624734/2-A
Matrix: Water
Analysis Batch: 624977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 624734

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr)	73		34 - 142
2,4-Dichlorophenylacetic acid (Surr)	72		34 - 142

Lab Sample ID: LCSD 410-624734/3-A
Matrix: Water
Analysis Batch: 624977

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 624734

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr)	79		34 - 142
2,4-Dichlorophenylacetic acid (Surr)	76		34 - 142

Method: 8151A - Herbicides (GC) - DL

Lab Sample ID: LCS 410-624734/2-A
Matrix: Water
Analysis Batch: 624977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 624734

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Silvex (2,4,5-TP) - DL			4.01	2.891		ug/L		72	62 - 170		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) - DL	90		34 - 142
2,4-Dichlorophenylacetic acid (Surr) - DL	89		34 - 142

Lab Sample ID: LCSD 410-624734/3-A
Matrix: Water
Analysis Batch: 624977

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 624734

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silvex (2,4,5-TP) - DL			4.01	2.959		ug/L		74	62 - 170	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) - DL	93		34 - 142
2,4-Dichlorophenylacetic acid (Surr) - DL	89		34 - 142

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-450100/1-A
Matrix: Water
Analysis Batch: 450798

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 450100

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		03/31/25 08:30	04/04/25 16:09	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		03/31/25 08:30	04/04/25 16:09	1
Barium	<0.000660		0.00200	0.000660	mg/L		03/31/25 08:30	04/04/25 16:09	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		03/31/25 08:30	04/04/25 16:09	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		03/31/25 08:30	04/04/25 16:09	1
Chromium	<0.00180		0.00500	0.00180	mg/L		03/31/25 08:30	04/04/25 16:09	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		03/31/25 08:30	04/04/25 16:09	1
Copper	<0.00320		0.00500	0.00320	mg/L		03/31/25 08:30	04/04/25 16:09	1
Lead	<0.000330		0.000500	0.000330	mg/L		03/31/25 08:30	04/04/25 16:09	1
Nickel	<0.00230		0.00500	0.00230	mg/L		03/31/25 08:30	04/04/25 16:09	1
Selenium	<0.00140		0.00500	0.00140	mg/L		03/31/25 08:30	04/04/25 16:09	1
Silver	<0.000500		0.00100	0.000500	mg/L		03/31/25 08:30	04/04/25 16:09	1
Thallium	<0.000570		0.00100	0.000570	mg/L		03/31/25 08:30	04/04/25 16:09	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		03/31/25 08:30	04/04/25 16:09	1
Zinc	<0.0130		0.0200	0.0130	mg/L		03/31/25 08:30	04/04/25 16:09	1
Tin	<0.00250		0.00500	0.00250	mg/L		03/31/25 08:30	04/04/25 16:09	1

Lab Sample ID: LCS 310-450100/2-A
Matrix: Water
Analysis Batch: 450798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 450100

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2114		mg/L		106	80 - 120
Arsenic	0.200	0.1900		mg/L		95	80 - 120
Barium	0.100	0.1008		mg/L		101	80 - 120
Beryllium	0.100	0.08633		mg/L		86	80 - 120
Cadmium	0.100	0.09225		mg/L		92	80 - 120
Chromium	0.100	0.09203		mg/L		92	80 - 120
Cobalt	0.100	0.09510		mg/L		95	80 - 120
Copper	0.200	0.1896		mg/L		95	80 - 120
Lead	0.200	0.1949		mg/L		97	80 - 120
Nickel	0.200	0.1861		mg/L		93	80 - 120
Selenium	0.400	0.3698		mg/L		92	80 - 120
Silver	0.100	0.09826		mg/L		98	80 - 120
Thallium	0.100	0.08619		mg/L		86	80 - 120
Vanadium	0.100	0.09225		mg/L		92	80 - 120
Zinc	0.200	0.1807		mg/L		90	80 - 120
Tin	0.200	0.1855		mg/L		93	80 - 120

Lab Sample ID: 310-302874-A-1-B MS
Matrix: Water
Analysis Batch: 450798

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 450100

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00101	J	0.200	0.2264		mg/L		113	75 - 125
Arsenic	<0.000530		0.200	0.2057		mg/L		103	75 - 125
Barium	0.0509		0.100	0.1577		mg/L		107	75 - 125
Beryllium	<0.000330		0.100	0.09672		mg/L		97	75 - 125
Cadmium	<0.000100		0.100	0.09863		mg/L		99	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-302874-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450798 — **Prep Batch: 450100**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	<0.00180		0.100	0.09760		mg/L		98	75 - 125
Cobalt	0.000221	J	0.100	0.1023		mg/L		102	75 - 125
Copper	<0.00320		0.200	0.1980		mg/L		99	75 - 125
Lead	<0.000330		0.200	0.2054		mg/L		103	75 - 125
Nickel	<0.00230		0.200	0.1951		mg/L		98	75 - 125
Selenium	<0.00140		0.400	0.4024		mg/L		101	75 - 125
Silver	<0.000500		0.100	0.1029		mg/L		103	75 - 125
Thallium	<0.000570		0.100	0.08435		mg/L		84	75 - 125
Vanadium	<0.00170		0.100	0.09985		mg/L		100	75 - 125
Zinc	<0.0130		0.200	0.1965		mg/L		98	75 - 125
Tin	<0.00250		0.200	0.1916		mg/L		96	75 - 125

Lab Sample ID: 310-302874-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450798 — **Prep Batch: 450100**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.00101	J	0.200	0.2191		mg/L		109	75 - 125	3	20
Arsenic	<0.000530		0.200	0.1997		mg/L		100	75 - 125	3	20
Barium	0.0509		0.100	0.1540		mg/L		103	75 - 125	2	20
Beryllium	<0.000330		0.100	0.09308		mg/L		93	75 - 125	4	20
Cadmium	<0.000100		0.100	0.09496		mg/L		95	75 - 125	4	20
Chromium	<0.00180		0.100	0.09480		mg/L		95	75 - 125	3	20
Cobalt	0.000221	J	0.100	0.09817		mg/L		98	75 - 125	4	20
Copper	<0.00320		0.200	0.1920		mg/L		96	75 - 125	3	20
Lead	<0.000330		0.200	0.2006		mg/L		100	75 - 125	2	20
Nickel	<0.00230		0.200	0.1913		mg/L		96	75 - 125	2	20
Selenium	<0.00140		0.400	0.3964		mg/L		99	75 - 125	2	20
Silver	<0.000500		0.100	0.09883		mg/L		99	75 - 125	4	20
Thallium	<0.000570		0.100	0.07955		mg/L		80	75 - 125	6	20
Vanadium	<0.00170		0.100	0.09618		mg/L		96	75 - 125	4	20
Zinc	<0.0130		0.200	0.1899		mg/L		95	75 - 125	3	20
Tin	<0.00250		0.200	0.1907		mg/L		95	75 - 125	0	20

Lab Sample ID: 310-302812-11 DU — **Client Sample ID: FD-1_25_03**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450798 — **Prep Batch: 450100**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00100		0.001048	J	mg/L		NC	20
Arsenic	0.0452		0.04379		mg/L		3	20
Barium	0.616		0.5998		mg/L		3	20
Beryllium	<0.000330		<0.000330		mg/L		NC	20
Cadmium	<0.000100		<0.000100		mg/L		NC	20
Chromium	<0.00180		<0.00180		mg/L		NC	20
Cobalt	0.00132		0.001271		mg/L		4	20
Copper	<0.00320		<0.00320		mg/L		NC	20
Lead	<0.000330		0.0005930		mg/L		NC	20
Nickel	0.00689		0.006653		mg/L		4	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-302812-11 DU
Matrix: Water
Analysis Batch: 450798

Client Sample ID: FD-1_25_03
Prep Type: Total/NA
Prep Batch: 450100

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Selenium	<0.00140			<0.00140		mg/L				NC	20
Silver	<0.000500			<0.000500		mg/L				NC	20
Thallium	<0.000570			<0.000570		mg/L				NC	20
Vanadium	<0.00170			<0.00170		mg/L				NC	20
Zinc	<0.0130			<0.0130		mg/L				NC	20
Tin	<0.00250			<0.00250		mg/L				NC	20

Lab Sample ID: MB 310-450103/1-A
Matrix: Water
Analysis Batch: 450398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 450103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		03/31/25 08:30	04/01/25 13:33	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		03/31/25 08:30	04/01/25 13:33	1
Barium	<0.000660		0.00200	0.000660	mg/L		03/31/25 08:30	04/01/25 13:33	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		03/31/25 08:30	04/01/25 13:33	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		03/31/25 08:30	04/01/25 13:33	1
Chromium	<0.00180		0.00500	0.00180	mg/L		03/31/25 08:30	04/01/25 13:33	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		03/31/25 08:30	04/01/25 13:33	1
Copper	<0.00320		0.00500	0.00320	mg/L		03/31/25 08:30	04/01/25 13:33	1
Lead	<0.000330		0.000500	0.000330	mg/L		03/31/25 08:30	04/01/25 13:33	1
Nickel	<0.00230		0.00500	0.00230	mg/L		03/31/25 08:30	04/01/25 13:33	1
Selenium	<0.00140		0.00500	0.00140	mg/L		03/31/25 08:30	04/01/25 13:33	1
Silver	<0.000500		0.00100	0.000500	mg/L		03/31/25 08:30	04/01/25 13:33	1
Thallium	<0.000570		0.00100	0.000570	mg/L		03/31/25 08:30	04/01/25 13:33	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		03/31/25 08:30	04/01/25 13:33	1
Zinc	<0.0130		0.0200	0.0130	mg/L		03/31/25 08:30	04/01/25 13:33	1
Tin	<0.00250		0.00500	0.00250	mg/L		03/31/25 08:30	04/01/25 13:33	1

Lab Sample ID: LCS 310-450103/2-A
Matrix: Water
Analysis Batch: 450398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 450103

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony			0.200	0.2038		mg/L		102	80 - 120		
Arsenic			0.200	0.1925		mg/L		96	80 - 120		
Barium			0.100	0.09699		mg/L		97	80 - 120		
Beryllium			0.100	0.09097		mg/L		91	80 - 120		
Cadmium			0.100	0.09551		mg/L		96	80 - 120		
Chromium			0.100	0.09459		mg/L		95	80 - 120		
Cobalt			0.100	0.09950		mg/L		100	80 - 120		
Copper			0.200	0.1932		mg/L		97	80 - 120		
Lead			0.200	0.1939		mg/L		97	80 - 120		
Nickel			0.200	0.1888		mg/L		94	80 - 120		
Selenium			0.400	0.3619		mg/L		90	80 - 120		
Silver			0.100	0.09625		mg/L		96	80 - 120		
Thallium			0.100	0.08276		mg/L		83	80 - 120		
Vanadium			0.100	0.09321		mg/L		93	80 - 120		
Zinc			0.200	0.1821		mg/L		91	80 - 120		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 310-450103/2-A
Matrix: Water
Analysis Batch: 450398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 450103

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Tin			0.200	0.1892		mg/L		95	80 - 120		

Lab Sample ID: 310-302892-B-3-B MS
Matrix: Water
Analysis Batch: 450398

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 450103

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony	<0.00100		0.200	0.2267		mg/L		113	75 - 125		
Arsenic	0.00155	J	0.200	0.2146		mg/L		107	75 - 125		
Barium	0.0662		0.100	0.1722		mg/L		106	75 - 125		
Beryllium	<0.000330		0.100	0.1030		mg/L		103	75 - 125		
Cadmium	0.000103	J	0.100	0.09881		mg/L		99	75 - 125		
Chromium	0.00359	J	0.100	0.1052		mg/L		102	75 - 125		
Cobalt	0.000428	J	0.100	0.1020		mg/L		102	75 - 125		
Copper	<0.00320		0.200	0.1986		mg/L		99	75 - 125		
Lead	0.000471	J	0.200	0.2003		mg/L		100	75 - 125		
Nickel	0.00287	J	0.200	0.1985		mg/L		98	75 - 125		
Selenium	0.00737		0.400	0.4030		mg/L		99	75 - 125		
Silver	<0.000500		0.100	0.1011		mg/L		101	75 - 125		
Thallium	0.000682	J	0.100	0.07869		mg/L		78	75 - 125		
Vanadium	0.00272	J	0.100	0.1044		mg/L		102	75 - 125		
Zinc	0.0181	J	0.200	0.2161		mg/L		99	75 - 125		
Tin	<0.00250		0.200	0.1981		mg/L		99	75 - 125		

Lab Sample ID: 310-302892-B-3-C MSD
Matrix: Water
Analysis Batch: 450398

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 450103

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00100		0.200	0.2283		mg/L		114	75 - 125	1	20
Arsenic	0.00155	J	0.200	0.2156		mg/L		107	75 - 125	0	20
Barium	0.0662		0.100	0.1682		mg/L		102	75 - 125	2	20
Beryllium	<0.000330		0.100	0.1027		mg/L		103	75 - 125	0	20
Cadmium	0.000103	J	0.100	0.09943		mg/L		99	75 - 125	1	20
Chromium	0.00359	J	0.100	0.1056		mg/L		102	75 - 125	0	20
Cobalt	0.000428	J	0.100	0.1048		mg/L		104	75 - 125	3	20
Copper	<0.00320		0.200	0.1987		mg/L		99	75 - 125	0	20
Lead	0.000471	J	0.200	0.2018		mg/L		101	75 - 125	1	20
Nickel	0.00287	J	0.200	0.1989		mg/L		98	75 - 125	0	20
Selenium	0.00737		0.400	0.4067		mg/L		100	75 - 125	1	20
Silver	<0.000500		0.100	0.09907		mg/L		99	75 - 125	2	20
Thallium	0.000682	J	0.100	0.07637		mg/L		76	75 - 125	3	20
Vanadium	0.00272	J	0.100	0.1051		mg/L		102	75 - 125	1	20
Zinc	0.0181	J	0.200	0.2237		mg/L		103	75 - 125	3	20
Tin	<0.00250		0.200	0.1979		mg/L		99	75 - 125	0	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-302892-B-16-B DU
Client Sample ID: Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 450398
Prep Batch: 450103

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00100		<0.00100		mg/L		NC	20
Arsenic	0.0391		0.04063		mg/L		4	20
Barium	1.53		1.587		mg/L		4	20
Beryllium	<0.000330		<0.000330		mg/L		NC	20
Cadmium	<0.000100		<0.000100		mg/L		NC	20
Chromium	<0.00180		<0.00180		mg/L		NC	20
Cobalt	0.00277		0.002931		mg/L		6	20
Copper	0.00966		0.01017		mg/L		5	20
Lead	0.00164		0.0008880	F3	mg/L		59	20
Nickel	0.00341	J	0.003685	J	mg/L		8	20
Selenium	<0.00140		<0.00140		mg/L		NC	20
Silver	<0.000500		<0.000500		mg/L		NC	20
Thallium	<0.000570		<0.000570		mg/L		NC	20
Vanadium	<0.00170		<0.00170		mg/L		NC	20
Zinc	0.0317		0.03206		mg/L		1	20
Tin	<0.00250		<0.00250		mg/L		NC	20

Lab Sample ID: MB 310-450105/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 450427
Prep Batch: 450105

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		03/31/25 08:30	04/01/25 15:32	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		03/31/25 08:30	04/01/25 15:32	1
Barium	<0.000660		0.00200	0.000660	mg/L		03/31/25 08:30	04/01/25 15:32	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		03/31/25 08:30	04/01/25 15:32	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		03/31/25 08:30	04/01/25 15:32	1
Chromium	<0.00180		0.00500	0.00180	mg/L		03/31/25 08:30	04/01/25 15:32	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		03/31/25 08:30	04/01/25 15:32	1
Lead	<0.000330		0.000500	0.000330	mg/L		03/31/25 08:30	04/01/25 15:32	1
Nickel	<0.00230		0.00500	0.00230	mg/L		03/31/25 08:30	04/01/25 15:32	1
Selenium	<0.00140		0.00500	0.00140	mg/L		03/31/25 08:30	04/01/25 15:32	1
Silver	<0.000500		0.00100	0.000500	mg/L		03/31/25 08:30	04/01/25 15:32	1
Thallium	<0.000570		0.00100	0.000570	mg/L		03/31/25 08:30	04/01/25 15:32	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		03/31/25 08:30	04/01/25 15:32	1
Zinc	<0.0130		0.0200	0.0130	mg/L		03/31/25 08:30	04/01/25 15:32	1
Tin	<0.00250		0.00500	0.00250	mg/L		03/31/25 08:30	04/01/25 15:32	1

Lab Sample ID: MB 310-450105/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 450543
Prep Batch: 450105

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00320		0.00500	0.00320	mg/L		03/31/25 08:30	04/02/25 13:34	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 310-450105/2-A
Matrix: Water
Analysis Batch: 450427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 450105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2220		mg/L		111	80 - 120
Arsenic	0.200	0.2055		mg/L		103	80 - 120
Barium	0.100	0.1001		mg/L		100	80 - 120
Beryllium	0.100	0.09503		mg/L		95	80 - 120
Cadmium	0.100	0.09918		mg/L		99	80 - 120
Chromium	0.100	0.1008		mg/L		101	80 - 120
Cobalt	0.100	0.1093		mg/L		109	80 - 120
Lead	0.200	0.2081		mg/L		104	80 - 120
Nickel	0.200	0.2046		mg/L		102	80 - 120
Selenium	0.400	0.3827		mg/L		96	80 - 120
Silver	0.100	0.1038		mg/L		104	80 - 120
Thallium	0.100	0.09103		mg/L		91	80 - 120
Vanadium	0.100	0.09854		mg/L		99	80 - 120
Zinc	0.200	0.1884		mg/L		94	80 - 120
Tin	0.200	0.2144		mg/L		107	80 - 120

Lab Sample ID: LCS 310-450105/2-A
Matrix: Water
Analysis Batch: 450543

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 450105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	0.200	0.2058		mg/L		103	80 - 120

Lab Sample ID: 310-302891-A-7-B MS
Matrix: Water
Analysis Batch: 450427

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 450105

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00100		0.200	0.2239		mg/L		112	75 - 125
Arsenic	0.00262		0.200	0.2108		mg/L		104	75 - 125
Barium	0.162		0.100	0.2603		mg/L		98	75 - 125
Beryllium	<0.000330		0.100	0.1009		mg/L		101	75 - 125
Cadmium	<0.000100		0.100	0.09705		mg/L		97	75 - 125
Chromium	<0.00180		0.100	0.1011		mg/L		101	75 - 125
Cobalt	0.000417	J	0.100	0.1049		mg/L		104	75 - 125
Lead	<0.000330		0.200	0.2127		mg/L		106	75 - 125
Nickel	<0.00230		0.200	0.1972		mg/L		99	75 - 125
Selenium	<0.00140		0.400	0.3878		mg/L		97	75 - 125
Silver	<0.000500		0.100	0.1032		mg/L		103	75 - 125
Thallium	<0.000570		0.100	0.07649		mg/L		76	75 - 125
Vanadium	<0.00170		0.100	0.09882		mg/L		99	75 - 125
Zinc	<0.0130		0.200	0.1912		mg/L		96	75 - 125
Tin	<0.00250		0.200	0.1956		mg/L		98	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-302891-A-7-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450543 — **Prep Batch: 450105**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	<0.00320		0.200	0.1982		mg/L		99	75 - 125

Lab Sample ID: 310-302891-A-7-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450427 — **Prep Batch: 450105**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00100		0.200	0.2372		mg/L		119	75 - 125	6	20
Arsenic	0.00262		0.200	0.2187		mg/L		108	75 - 125	4	20
Barium	0.162		0.100	0.2761		mg/L		114	75 - 125	6	20
Beryllium	<0.000330		0.100	0.1028		mg/L		103	75 - 125	2	20
Cadmium	<0.000100		0.100	0.1015		mg/L		102	75 - 125	5	20
Chromium	<0.00180		0.100	0.1049		mg/L		105	75 - 125	4	20
Cobalt	0.000417	J	0.100	0.1085		mg/L		108	75 - 125	3	20
Lead	<0.000330		0.200	0.2129		mg/L		106	75 - 125	0	20
Nickel	<0.00230		0.200	0.2045		mg/L		102	75 - 125	4	20
Selenium	<0.00140		0.400	0.4024		mg/L		101	75 - 125	4	20
Silver	<0.000500		0.100	0.1062		mg/L		106	75 - 125	3	20
Thallium	<0.000570		0.100	0.08300		mg/L		83	75 - 125	8	20
Vanadium	<0.00170		0.100	0.1035		mg/L		104	75 - 125	5	20
Zinc	<0.0130		0.200	0.1996		mg/L		100	75 - 125	4	20
Tin	<0.00250		0.200	0.1993		mg/L		100	75 - 125	2	20

Lab Sample ID: 310-302891-A-7-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450543 — **Prep Batch: 450105**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Copper	<0.00320		0.200	0.2039		mg/L		102	75 - 125	3	20

Lab Sample ID: 310-302891-A-8-B DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450427 — **Prep Batch: 450105**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00100		<0.00100		mg/L		NC	20
Arsenic	<0.000530		<0.000530		mg/L		NC	20
Barium	0.176		0.1802		mg/L		3	20
Beryllium	<0.000330		<0.000330		mg/L		NC	20
Cadmium	<0.000100		<0.000100		mg/L		NC	20
Chromium	0.00220	J	0.002214	J	mg/L		0.6	20
Cobalt	0.000186	J	0.0001830	J	mg/L		2	20
Lead	0.000419	J	0.0008040	F5	mg/L		63	20
Nickel	<0.00230		<0.00230		mg/L		NC	20
Selenium	<0.00140		<0.00140		mg/L		NC	20
Silver	<0.000500		<0.000500		mg/L		NC	20
Thallium	<0.000570		<0.000570		mg/L		NC	20
Vanadium	<0.00170		<0.00170		mg/L		NC	20
Zinc	<0.0130		<0.0130		mg/L		NC	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-302891-A-8-B DU
Matrix: Water
Analysis Batch: 450427

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 450105

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Tin	<0.00250		<0.00250		mg/L		NC	20

Lab Sample ID: 310-302891-A-8-B DU
Matrix: Water
Analysis Batch: 450543

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 450105

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Copper	<0.00320		<0.00320		mg/L		NC	20

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-450002/1
Matrix: Water
Analysis Batch: 450002

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<3.50		5.00	3.50	mg/L			03/27/25 18:47	1

Lab Sample ID: LCS 310-450002/2
Matrix: Water
Analysis Batch: 450002

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	90.00		mg/L		90	81 - 116

Lab Sample ID: 310-302779-B-2 DU
Matrix: Water
Analysis Batch: 450002

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	118		114.0		mg/L		3	35

Lab Sample ID: MB 310-450005/1
Matrix: Water
Analysis Batch: 450005

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<3.50		5.00	3.50	mg/L			03/27/25 19:44	1

Lab Sample ID: LCS 310-450005/2
Matrix: Water
Analysis Batch: 450005

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	92.00		mg/L		92	81 - 116

Method: I-3765-85 - Residue, Non-filterable (TSS) (Continued)

Lab Sample ID: 310-302781-B-2 DU
Matrix: Water
Analysis Batch: 450005

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	50.0			54.00		mg/L				8	35

Lab Sample ID: 310-302809-B-4 DU
Matrix: Water
Analysis Batch: 450005

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	13.7			15.00		mg/L				9	35

Lab Sample ID: MB 310-450008/1
Matrix: Water
Analysis Batch: 450008

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<3.50		5.00	3.50	mg/L			03/27/25 20:35	1

Lab Sample ID: LCS 310-450008/2
Matrix: Water
Analysis Batch: 450008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			100	97.00		mg/L		97	81 - 116		

Lab Sample ID: 310-302812-10 DU
Matrix: Water
Analysis Batch: 450008

Client Sample ID: MW-109B_25_03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	7.67			8.000		mg/L				4	35

GC/MS VOA

Analysis Batch: 450044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-1	MW-12_25_03	Total/NA	Water	8260D	
310-302812-2	MW-13_25_03	Total/NA	Water	8260D	
310-302812-3	MW-14_25_03	Total/NA	Water	8260D	
310-302812-4	MW-32_25_03	Total/NA	Water	8260D	
310-302812-5	MW-33_25_03	Total/NA	Water	8260D	
310-302812-6	MW-37_25_03	Total/NA	Water	8260D	
310-302812-7	MW-38_25_03	Total/NA	Water	8260D	
310-302812-8	MW-101A_25_03	Total/NA	Water	8260D	
310-302812-9	MW-101B_25_03	Total/NA	Water	8260D	
310-302812-10	MW-109B_25_03	Total/NA	Water	8260D	
310-302812-11	FD-1_25_03	Total/NA	Water	8260D	
310-302812-12	FB-1_25_03	Total/NA	Water	8260D	
310-302812-13	TB-1_25_03	Total/NA	Water	8260D	
MB 310-450044/6	Method Blank	Total/NA	Water	8260D	
LCS 310-450044/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-450044/8	Lab Control Sample	Total/NA	Water	8260D	
310-302808-G-1 MS	Matrix Spike	Total/NA	Water	8260D	
310-302808-G-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 450032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-4	MW-32_25_03	Total/NA	Water	3510C	
310-302812-5	MW-33_25_03	Total/NA	Water	3510C	
310-302812-6	MW-37_25_03	Total/NA	Water	3510C	
310-302812-7	MW-38_25_03	Total/NA	Water	3510C	
310-302812-8	MW-101A_25_03	Total/NA	Water	3510C	
310-302812-9	MW-101B_25_03	Total/NA	Water	3510C	
310-302812-12	FB-1_25_03	Total/NA	Water	3510C	
MB 310-450032/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-450032/2-A	Lab Control Sample	Total/NA	Water	3510C	
310-302892-C-3-A MS	Matrix Spike	Total/NA	Water	3510C	
310-302892-C-3-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 450275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-4	MW-32_25_03	Total/NA	Water	8270E	450032
310-302812-5	MW-33_25_03	Total/NA	Water	8270E	450032
310-302812-6	MW-37_25_03	Total/NA	Water	8270E	450032
310-302812-7	MW-38_25_03	Total/NA	Water	8270E	450032
310-302812-8	MW-101A_25_03	Total/NA	Water	8270E	450032
310-302812-9	MW-101B_25_03	Total/NA	Water	8270E	450032
310-302812-12	FB-1_25_03	Total/NA	Water	8270E	450032
MB 310-450032/1-A	Method Blank	Total/NA	Water	8270E	450032
LCS 310-450032/2-A	Lab Control Sample	Total/NA	Water	8270E	450032
310-302892-C-3-A MS	Matrix Spike	Total/NA	Water	8270E	450032
310-302892-C-3-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270E	450032

GC Semi VOA

Leach Batch: 449979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-449979/1-E	Method Blank	Total/NA	Water	1311	
310-302641-B-2-I MS	Matrix Spike	TCLP	Water	1311	
310-302641-B-2-J MSD	Matrix Spike Duplicate	TCLP	Water	1311	

Prep Batch: 450201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-1	MW-12_25_03	Total/NA	Water	3511	
310-302812-6	MW-37_25_03	Total/NA	Water	3511	
310-302812-8	MW-101A_25_03	Total/NA	Water	3511	
310-302812-12	FB-1_25_03	Total/NA	Water	3511	
LB 310-449979/1-E	Method Blank	Total/NA	Water	3511	449979
MB 310-450201/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-450201/3-A	Lab Control Sample	Total/NA	Water	3511	
310-302641-B-2-I MS	Matrix Spike	TCLP	Water	3511	449979
310-302641-B-2-J MSD	Matrix Spike Duplicate	TCLP	Water	3511	449979

Analysis Batch: 450755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-1	MW-12_25_03	Total/NA	Water	8081B	450201
LB 310-449979/1-E	Method Blank	Total/NA	Water	8081B	450201
MB 310-450201/1-A	Method Blank	Total/NA	Water	8081B	450201
LCS 310-450201/3-A	Lab Control Sample	Total/NA	Water	8081B	450201
310-302641-B-2-I MS	Matrix Spike	TCLP	Water	8081B	450201
310-302641-B-2-J MSD	Matrix Spike Duplicate	TCLP	Water	8081B	450201

Analysis Batch: 450808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-6	MW-37_25_03	Total/NA	Water	8081B	450201
310-302812-8	MW-101A_25_03	Total/NA	Water	8081B	450201
310-302812-12	FB-1_25_03	Total/NA	Water	8081B	450201

Prep Batch: 624734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-2	MW-13_25_03	Total/NA	Water	8151A	
310-302812-4	MW-32_25_03	Total/NA	Water	8151A	
310-302812-6	MW-37_25_03	Total/NA	Water	8151A	
310-302812-8	MW-101A_25_03	Total/NA	Water	8151A	
310-302812-12	FB-1_25_03	Total/NA	Water	8151A	
MB 410-624734/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-624734/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCS 410-624734/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-624734/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	
LCSD 410-624734/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 624977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-2	MW-13_25_03	Total/NA	Water	8151A	624734
310-302812-4	MW-32_25_03	Total/NA	Water	8151A	624734
310-302812-6	MW-37_25_03	Total/NA	Water	8151A	624734
310-302812-8	MW-101A_25_03	Total/NA	Water	8151A	624734
310-302812-12	FB-1_25_03	Total/NA	Water	8151A	624734

GC Semi VOA (Continued)

Analysis Batch: 624977 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-624734/1-A	Method Blank	Total/NA	Water	8151A	624734
LCS 410-624734/2-A	Lab Control Sample	Total/NA	Water	8151A	624734
LCS 410-624734/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	624734
LCSD 410-624734/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	624734
LCSD 410-624734/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	624734

Metals

Prep Batch: 450100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-1	MW-12_25_03	Total/NA	Water	3005A	
310-302812-2	MW-13_25_03	Total/NA	Water	3005A	
310-302812-3	MW-14_25_03	Total/NA	Water	3005A	
310-302812-5	MW-33_25_03	Total/NA	Water	3005A	
310-302812-6	MW-37_25_03	Total/NA	Water	3005A	
310-302812-7	MW-38_25_03	Total/NA	Water	3005A	
310-302812-9	MW-101B_25_03	Total/NA	Water	3005A	
310-302812-10	MW-109B_25_03	Total/NA	Water	3005A	
310-302812-11	FD-1_25_03	Total/NA	Water	3005A	
310-302812-12	FB-1_25_03	Total/NA	Water	3005A	
MB 310-450100/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-450100/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-302874-A-1-B MS	Matrix Spike	Total/NA	Water	3005A	
310-302874-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	
310-302812-11 DU	FD-1_25_03	Total/NA	Water	3005A	

Prep Batch: 450103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-8	MW-101A_25_03	Total/NA	Water	3005A	
MB 310-450103/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-450103/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-302892-B-3-B MS	Matrix Spike	Total/NA	Water	3005A	
310-302892-B-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	
310-302892-B-16-B DU	Duplicate	Total/NA	Water	3005A	

Prep Batch: 450105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-4	MW-32_25_03	Total/NA	Water	3005A	
MB 310-450105/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-450105/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-302891-A-7-B MS	Matrix Spike	Total/NA	Water	3005A	
310-302891-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	
310-302891-A-8-B DU	Duplicate	Total/NA	Water	3005A	

Analysis Batch: 450398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-8	MW-101A_25_03	Total/NA	Water	6020B	450103
MB 310-450103/1-A	Method Blank	Total/NA	Water	6020B	450103
LCS 310-450103/2-A	Lab Control Sample	Total/NA	Water	6020B	450103
310-302892-B-3-B MS	Matrix Spike	Total/NA	Water	6020B	450103
310-302892-B-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	450103

Metals (Continued)

Analysis Batch: 450398 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302892-B-16-B DU	Duplicate	Total/NA	Water	6020B	450103

Analysis Batch: 450427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-4	MW-32_25_03	Total/NA	Water	6020B	450105
MB 310-450105/1-A	Method Blank	Total/NA	Water	6020B	450105
LCS 310-450105/2-A	Lab Control Sample	Total/NA	Water	6020B	450105
310-302891-A-7-B MS	Matrix Spike	Total/NA	Water	6020B	450105
310-302891-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	450105
310-302891-A-8-B DU	Duplicate	Total/NA	Water	6020B	450105

Analysis Batch: 450543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-4	MW-32_25_03	Total/NA	Water	6020B	450105
MB 310-450105/1-A	Method Blank	Total/NA	Water	6020B	450105
LCS 310-450105/2-A	Lab Control Sample	Total/NA	Water	6020B	450105
310-302891-A-7-B MS	Matrix Spike	Total/NA	Water	6020B	450105
310-302891-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	450105
310-302891-A-8-B DU	Duplicate	Total/NA	Water	6020B	450105

Analysis Batch: 450798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-1	MW-12_25_03	Total/NA	Water	6020B	450100
310-302812-2	MW-13_25_03	Total/NA	Water	6020B	450100
310-302812-3	MW-14_25_03	Total/NA	Water	6020B	450100
310-302812-5	MW-33_25_03	Total/NA	Water	6020B	450100
310-302812-6	MW-37_25_03	Total/NA	Water	6020B	450100
310-302812-7	MW-38_25_03	Total/NA	Water	6020B	450100
310-302812-9	MW-101B_25_03	Total/NA	Water	6020B	450100
310-302812-10	MW-109B_25_03	Total/NA	Water	6020B	450100
310-302812-11	FD-1_25_03	Total/NA	Water	6020B	450100
310-302812-12	FB-1_25_03	Total/NA	Water	6020B	450100
MB 310-450100/1-A	Method Blank	Total/NA	Water	6020B	450100
LCS 310-450100/2-A	Lab Control Sample	Total/NA	Water	6020B	450100
310-302874-A-1-B MS	Matrix Spike	Total/NA	Water	6020B	450100
310-302874-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	450100
310-302812-11 DU	FD-1_25_03	Total/NA	Water	6020B	450100

General Chemistry

Analysis Batch: 450002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-5	MW-33_25_03	Total/NA	Water	I-3765-85	
310-302812-6	MW-37_25_03	Total/NA	Water	I-3765-85	
310-302812-7	MW-38_25_03	Total/NA	Water	I-3765-85	
310-302812-11	FD-1_25_03	Total/NA	Water	I-3765-85	
MB 310-450002/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-450002/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-302779-B-2 DU	Duplicate	Total/NA	Water	I-3765-85	

General Chemistry

Analysis Batch: 450005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-1	MW-12_25_03	Total/NA	Water	I-3765-85	
310-302812-2	MW-13_25_03	Total/NA	Water	I-3765-85	
310-302812-4	MW-32_25_03	Total/NA	Water	I-3765-85	
310-302812-9	MW-101B_25_03	Total/NA	Water	I-3765-85	
MB 310-450005/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-450005/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-302781-B-2 DU	Duplicate	Total/NA	Water	I-3765-85	
310-302809-B-4 DU	Duplicate	Total/NA	Water	I-3765-85	

Analysis Batch: 450008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302812-3	MW-14_25_03	Total/NA	Water	I-3765-85	
310-302812-8	MW-101A_25_03	Total/NA	Water	I-3765-85	
310-302812-10	MW-109B_25_03	Total/NA	Water	I-3765-85	
310-302812-12	FB-1_25_03	Total/NA	Water	I-3765-85	
MB 310-450008/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-450008/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-302812-10 DU	MW-109B_25_03	Total/NA	Water	I-3765-85	

Client Sample ID: MW-12_25_03
Lab Sample ID: 310-302812-1

Date Collected: 03/25/25 17:15
Matrix: Water
Date Received: 03/27/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450044	MZR8	EET CF	03/28/25 15:37
Total/NA	Prep	3511			450201	BW2O	EET CF	03/31/25 09:52
Total/NA	Analysis	8081B		1	450755	BW2O	EET CF	04/04/25 19:17
Total/NA	Prep	3005A			450100	QTZ5	EET CF	03/31/25 08:30
Total/NA	Analysis	6020B		1	450798	NFT2	EET CF	04/04/25 16:30
Total/NA	Analysis	I-3765-85		1	450005	XJ7V	EET CF	03/27/25 19:44

Client Sample ID: MW-13_25_03
Lab Sample ID: 310-302812-2

Date Collected: 03/26/25 09:05
Matrix: Water
Date Received: 03/27/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450044	MZR8	EET CF	03/28/25 16:00
Total/NA	Prep	8151A			624734	QJZ6	ELLE	04/01/25 15:00
Total/NA	Analysis	8151A		1	624977	UAMZ	ELLE	04/02/25 10:00
Total/NA	Prep	3005A			450100	QTZ5	EET CF	03/31/25 08:30
Total/NA	Analysis	6020B		1	450798	NFT2	EET CF	04/04/25 16:33
Total/NA	Analysis	I-3765-85		1	450005	XJ7V	EET CF	03/27/25 19:44

Client Sample ID: MW-14_25_03
Lab Sample ID: 310-302812-3

Date Collected: 03/26/25 10:35
Matrix: Water
Date Received: 03/27/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450044	MZR8	EET CF	03/28/25 16:22
Total/NA	Prep	3005A			450100	QTZ5	EET CF	03/31/25 08:30
Total/NA	Analysis	6020B		1	450798	NFT2	EET CF	04/04/25 16:35
Total/NA	Analysis	I-3765-85		1	450008	XJ7V	EET CF	03/27/25 20:35

Client Sample ID: MW-32_25_03
Lab Sample ID: 310-302812-4

Date Collected: 03/25/25 16:20
Matrix: Water
Date Received: 03/27/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450044	MZR8	EET CF	03/28/25 16:45
Total/NA	Prep	3510C			450032	J5BR	EET CF	03/28/25 07:51
Total/NA	Analysis	8270E		1	450275	V7YZ	EET CF	04/01/25 00:07
Total/NA	Prep	8151A			624734	QJZ6	ELLE	04/01/25 15:00
Total/NA	Analysis	8151A		1	624977	UAMZ	ELLE	04/02/25 10:29
Total/NA	Prep	3005A			450105	QTZ5	EET CF	03/31/25 08:30
Total/NA	Analysis	6020B		1	450427	NFT2	EET CF	04/01/25 15:49
Total/NA	Prep	3005A			450105	QTZ5	EET CF	03/31/25 08:30
Total/NA	Analysis	6020B		1	450543	NFT2	EET CF	04/02/25 13:59
Total/NA	Analysis	I-3765-85		1	450005	XJ7V	EET CF	03/27/25 19:44

Client Sample ID: MW-33_25_03
Lab Sample ID: 310-302812-5

Date Collected: 03/25/25 15:40
Matrix: Water
Date Received: 03/27/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450044	MZR8	EET CF	03/28/25 17:07
Total/NA	Prep	3510C			450032	J5BR	EET CF	03/28/25 07:51
Total/NA	Analysis	8270E		1	450275	V7YZ	EET CF	04/01/25 00:33
Total/NA	Prep	3005A			450100	QTZ5	EET CF	03/31/25 08:30
Total/NA	Analysis	6020B		1	450798	NFT2	EET CF	04/04/25 16:38
Total/NA	Analysis	I-3765-85		1	450002	XJ7V	EET CF	03/27/25 18:47

Client Sample ID: MW-37_25_03
Lab Sample ID: 310-302812-6

Date Collected: 03/25/25 10:40
Matrix: Water
Date Received: 03/27/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450044	MZR8	EET CF	03/28/25 17:30
Total/NA	Prep	3510C			450032	J5BR	EET CF	03/28/25 07:51
Total/NA	Analysis	8270E		1	450275	V7YZ	EET CF	04/01/25 00:59
Total/NA	Prep	3511			450201	BW2O	EET CF	03/31/25 09:52
Total/NA	Analysis	8081B		1	450808	BW2O	EET CF	04/07/25 10:51
Total/NA	Prep	8151A			624734	QJZ6	ELLE	04/01/25 15:00
Total/NA	Analysis	8151A		1	624977	UAMZ	ELLE	04/02/25 10:57
Total/NA	Prep	3005A			450100	QTZ5	EET CF	03/31/25 08:30
Total/NA	Analysis	6020B		1	450798	NFT2	EET CF	04/04/25 16:40
Total/NA	Analysis	I-3765-85		1	450002	XJ7V	EET CF	03/27/25 18:47

Client Sample ID: MW-38_25_03
Lab Sample ID: 310-302812-7

Date Collected: 03/25/25 10:20
Matrix: Water
Date Received: 03/27/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450044	MZR8	EET CF	03/28/25 17:53
Total/NA	Prep	3510C			450032	J5BR	EET CF	03/28/25 07:51
Total/NA	Analysis	8270E		1	450275	V7YZ	EET CF	04/01/25 01:24
Total/NA	Prep	3005A			450100	QTZ5	EET CF	03/31/25 08:30
Total/NA	Analysis	6020B		1	450798	NFT2	EET CF	04/04/25 16:42
Total/NA	Analysis	I-3765-85		1	450002	XJ7V	EET CF	03/27/25 18:47

Client Sample ID: MW-101A_25_03
Lab Sample ID: 310-302812-8

Date Collected: 03/25/25 14:35
Matrix: Water
Date Received: 03/27/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450044	MZR8	EET CF	03/28/25 18:15
Total/NA	Prep	3510C			450032	J5BR	EET CF	03/28/25 07:51
Total/NA	Analysis	8270E		1	450275	V7YZ	EET CF	04/01/25 01:50
Total/NA	Prep	3511			450201	BW2O	EET CF	03/31/25 09:52
Total/NA	Analysis	8081B		1	450808	BW2O	EET CF	04/07/25 11:04

Client Sample ID: MW-101A_25_03
Lab Sample ID: 310-302812-8

Date Collected: 03/25/25 14:35
Matrix: Water
Date Received: 03/27/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	8151A			624734	QJZ6	ELLE	04/01/25 15:00
Total/NA	Analysis	8151A		1	624977	UAMZ	ELLE	04/02/25 11:25
Total/NA	Prep	3005A			450103	QTZ5	EET CF	03/31/25 08:30
Total/NA	Analysis	6020B		1	450398	NFT2	EET CF	04/01/25 14:42
Total/NA	Analysis	I-3765-85		1	450008	XJ7V	EET CF	03/27/25 20:35

Client Sample ID: MW-101B_25_03
Lab Sample ID: 310-302812-9

Date Collected: 03/25/25 13:50
Matrix: Water
Date Received: 03/27/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450044	MZR8	EET CF	03/28/25 18:38
Total/NA	Prep	3510C			450032	J5BR	EET CF	03/28/25 07:51
Total/NA	Analysis	8270E		1	450275	V7YZ	EET CF	04/01/25 02:16
Total/NA	Prep	3005A			450100	QTZ5	EET CF	03/31/25 08:30
Total/NA	Analysis	6020B		1	450798	NFT2	EET CF	04/04/25 16:47
Total/NA	Analysis	I-3765-85		1	450005	XJ7V	EET CF	03/27/25 19:44

Client Sample ID: MW-109B_25_03
Lab Sample ID: 310-302812-10

Date Collected: 03/25/25 11:30
Matrix: Water
Date Received: 03/27/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450044	MZR8	EET CF	03/28/25 19:00
Total/NA	Prep	3005A			450100	QTZ5	EET CF	03/31/25 08:30
Total/NA	Analysis	6020B		1	450798	NFT2	EET CF	04/04/25 16:50
Total/NA	Analysis	I-3765-85		1	450008	XJ7V	EET CF	03/27/25 20:35

Client Sample ID: FD-1_25_03
Lab Sample ID: 310-302812-11

Date Collected: 03/26/25 00:00
Matrix: Water
Date Received: 03/27/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450044	MZR8	EET CF	03/28/25 19:23
Total/NA	Prep	3005A			450100	QTZ5	EET CF	03/31/25 08:30
Total/NA	Analysis	6020B		1	450798	NFT2	EET CF	04/04/25 16:52
Total/NA	Analysis	I-3765-85		1	450002	XJ7V	EET CF	03/27/25 18:47

Client Sample ID: FB-1_25_03
Lab Sample ID: 310-302812-12

Date Collected: 03/25/25 09:40
Matrix: Water
Date Received: 03/27/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450044	MZR8	EET CF	03/28/25 13:00

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Client Sample ID: FB-1_25_03
Lab Sample ID: 310-302812-12

Date Collected: 03/25/25 09:40
Matrix: Water
Date Received: 03/27/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			450032	J5BR	EET CF	03/28/25 08:02
Total/NA	Analysis	8270E		1	450275	V7YZ	EET CF	04/01/25 02:42
Total/NA	Prep	3511			450201	BW2O	EET CF	03/31/25 09:52
Total/NA	Analysis	8081B		1	450808	BW2O	EET CF	04/07/25 11:17
Total/NA	Prep	8151A			624734	QJZ6	ELLE	04/01/25 15:00
Total/NA	Analysis	8151A		1	624977	UAMZ	ELLE	04/02/25 13:19
Total/NA	Prep	3005A			450100	QTZ5	EET CF	03/31/25 08:30
Total/NA	Analysis	6020B		1	450798	NFT2	EET CF	04/04/25 16:45
Total/NA	Analysis	I-3765-85		1	450008	XJ7V	EET CF	03/27/25 20:35

Client Sample ID: TB-1_25_03
Lab Sample ID: 310-302812-13

Date Collected: 03/26/25 00:00
Matrix: Water
Date Received: 03/27/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450044	MZR8	EET CF	03/28/25 13:23

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-25
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-25
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-25 *
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-25
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

Method Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302812-1
Project/Site: CRLCSWA Site 1 - Spring 2025 Event

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
8151A	Herbicides (GC)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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310-302812 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Fath

City/State: CITY Cedar Rapids STATE IA Project:

Receipt Information

Date/Time Received: DATE 3.27.25 TIME 1045 Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 1 of 54

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

FD-1, MW-33, MW-12, MW-32,

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID R Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 0.9 Corrected Temp (°C): 0.9

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Fath

City/State: CITY Cedar Rapids | STATE IA | Project.

Receipt Information

Date/Time Received: DATE 3.27.25 | TIME 1045 | Received By: PD

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 2 of 54

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: R | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.7 | Corrected Temp (°C): 1.7

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Fath

City/State: CITY Cedar Rapids STATE IA Project:

Receipt Information

Date/Time Received: DATE 3.27.25 TIME 1045 Received By: Pt

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 3 of 4

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID R | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 0.6 | Corrected Temp (°C): 0.6

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Fath

City/State: CITY Cedar Rapids STATE IA Project:

Receipt Information

Date/Time Received: DATE 3.27.25 TIME 1045 Received By: PT

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☑ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☑ Yes ☐ No *If yes:* Cooler # 4 of 54

Cooler Custody Seals Present? ☐ Yes ☑ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☑ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: R Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.5 Corrected Temp (°C): 1.5

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 1 of 2 **COC Number:** 1-3865545471-031325-108762

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 24C034.00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses. gina.wilming@foth.com	Project Name: CRLCSWA Site 1 - Spring 2025 Event	Regulatory Agency: Iowa DNR	Sampling Team Members: Tyler Merritt Curtis Schwartz Randy Gavin
hannah.dubbs@foth.com	Task #: 24C034_25_03	State Location. Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: N	N	N	N	N	N	N	Filtered (Y/N)	REMARKS / Lab ID
															IA Appendix I List	TSS	1,3-Dichlorobenzene	Bis(2-ethylhexyl)phthalate	2,4,5-TP	beta-BHC	Tin		
1	MW-12_25_03	MW-12	WG	G	3/25/25	17:15	10	6		1	3				X	X	X			X	X		
2	MW-13_25_03	MW-13	WG	G	3/26/25	9:05	10	6		1	3				X	X	X		X				
3	MW-14_25_03	MW-14	WG	G	3/26/25	10:35	8	4		1	3				X	X							
4	MW-16_25_03	MW-16	WG	G											X	X	X		X				
5	MW-17_25_03	MW-17	WG	G											X	X		X	X				
6	MW-32_25_03	MW-32	WG	G	3/25/25	16:20	12	8		1	3				X	X		X	X		X		
7	MW-33_25_03	MW-33	WG	G	3/25/25	15.40	10	6		1	3				X	X		X			X		
8	MW-37_25_03	MW-37	WG	G	3/25/25	10:40	14	10		1	3				X	X	X	X	X	X	X		
9	MW-38_25_03	MW-38	WG	G	3/25/25	10:20	10	6		1	3				X	X		X			X		
10	MW-101A_25_03	MW-101A	WG	G	3/25/25	14:35	14	10		1	3				X	X	X	X	X	X	X		
11	MW-101B_25_03	MW-101B	WG	G	3/25/25	13:50	10	6		1	3				X	X		X			X		
12	MW-109B_25_03	MW-109B	WG	G	3/26/25	11:30	8	4		1	3				X	X							

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
								[signature]	3/27/25	1045

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER [signature]

DATE Signed 3/27/25

4/4/2025

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 2 of 2

COC Number: 1-3865545471-031325-108762

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 24C034.00
Phone: (319) 365-9565	P O.		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1 - Spring 2025 Event	Regulatory Agency: Iowa DNR	Sampling Team Members: Tyler Merritt Curtis Schwartz Randy Gavin
hannah.dubbs@foth.com	Task #: 24C034_25_03	State Location. Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix I List	TSS	1,3-Dichlorobenzene	Bis(2-ethylhexyl)phthalate	2,4,5-TP	beta-BHC	Tin	IA Appendix I VOCs Only	Filtered (Y/N)	REMARKS / Lab ID
							N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
13	FD-1_25_03		WG	G	3/25/25	—	8	4		1	3				X	X								
14	FD-2_25_03		WG	G	〃										X	X								
15	FB-1_25_03	FB-1	WQ	G	3/26/25	9:40	14	10		1	3				X	X	X	X	X	X	X			
16	TB-1_25_03	Trip Blank	WQ	G	—	→	4	2			2						X					X		
17	TB-2_25_03	Trip Blank	WQ	G													X					X		Do Not Analyze
18	TB-3_25_03	Trip Blank	WQ	G													X					X		Do Not Analyze
19																								
20																								
21																								
22																								
23																								
24																								

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS

ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt

DATE Signed: 3/27/25

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone: 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-81585.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State Program - Iowa		Job #: 310-302812-1
Address: 2425 New Holland Pike,	Due Date Requested: 4/9/2025			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CRLCSWA Site 1 - Spring 2025 Event	Project #: 31009776			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A/8151A_AP (MOD) Standard Herbicides	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-13_25_03 (310-302812-2)	3/26/25	09:05 Central	G	Water			X	2	
MW-32_25_03 (310-302812-4)	3/25/25	16:20 Central	G	Water			X	2	
MW-37_25_03 (310-302812-6)	3/25/25	10:40 Central	G	Water			X	2	
MW-101A_25_03 (310-302812-8)	3/25/25	14:35 Central	G	Water			X	2	
FB-1_25_03 (310-302812-12)	3/25/25	09:40 Central	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification Unconfirmed	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 32725 1625	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 3/28/25 0950	Company EUS

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: R: 4.9 C: 4.8

NJ

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-302812-1
SDG Number:

Login Number: 302812
List Number: 1
Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-302812-1
SDG Number:

Login Number: 302812
List Number: 2
Creator: Santiago, Nathaniel

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 03/28/25 12:29 PM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gina Wilming
Foth Infrastructure & Environment, LLC
411 6th Avenue SE
Suite 400
Cedar Rapids, Iowa 52401

Generated 4/9/2025 2:24:00 PM

JOB DESCRIPTION

CRLCSWA Site 1-Spring 2025 Event

JOB NUMBER

310-302980-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Generated
4/9/2025 2:24:00 PM

Authorized for release by
Conner Calhoun, Client Service Manager
Conner.Calhoun@et.eurofinsus.com
(319)277-2401

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Job ID: 310-302980-1 Eurofins Cedar Falls

Job Narrative
310-302980-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/28/2025 3:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 310-450214 recovered above the upper control limit for Trichlorofluoromethane (21.8%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 310-450214/4).

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 310-450214 was outside the method criteria for the following analyte(s): Chloromethane (-26.8%D) and Bromomethane (-29.1%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 310-450191.The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Herbicides
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302980-1
Project/Site: CRLCSWA Site 1-Spring 2025 Event

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-302980-1	MW-16_25_03	Water	03/27/25 08:50	03/28/25 15:25
310-302980-2	MW-17_25_03	Water	03/27/25 10:15	03/28/25 15:25
310-302980-3	FD-2_25_03	Water	03/27/25 00:00	03/28/25 15:25
310-302980-4	TB-3_24_03	Water	03/27/25 00:00	03/28/25 15:25

Detection Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302980-1
Project/Site: CRLCSWA Site 1-Spring 2025 Event

Client Sample ID: MW-16_25_03 — Lab Sample ID: 310-302980-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.959	J	1.00	0.220	ug/L	1		8260D	Total/NA
1,2-Dichlorobenzene	0.906	J	1.00	0.370	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	4.52		1.00	0.230	ug/L	1		8260D	Total/NA
Benzene	0.254	J	0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	1.64		1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.387	J	1.00	0.210	ug/L	1		8260D	Total/NA
Toluene	0.589	J	1.00	0.430	ug/L	1		8260D	Total/NA
Arsenic	0.0973		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.112		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000832		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0391		0.00500	0.00230	mg/L	1		6020B	Total/NA
Zinc	0.0227		0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	73.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-17_25_03 — Lab Sample ID: 310-302980-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	9.09	J	10.2	5.61	ug/L	1		8270E	Total/NA
Arsenic	0.0532		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.103		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00720		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0105		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	68.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: FD-2_25_03 — Lab Sample ID: 310-302980-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.00151	J	0.00200	0.00100	mg/L	1		6020B	Total/NA
Arsenic	0.0547		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.105		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00760		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0110		0.00500	0.00230	mg/L	1		6020B	Total/NA
Thallium	0.000693	J	0.00100	0.000570	mg/L	1		6020B	Total/NA
Total Suspended Solids	64.5		7.50	5.25	mg/L	1		I-3765-85	Total/NA

Client Sample ID: TB-3_24_03 — Lab Sample ID: 310-302980-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1-Spring 2025 Event

Job ID: 310-302980-1

Client Sample ID: MW-16_25_03
Date Collected: 03/27/25 08:50
Date Received: 03/28/25 15:25

Lab Sample ID: 310-302980-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/31/25 14:05	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/31/25 14:05	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/31/25 14:05	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/31/25 14:05	1
1,1-Dichloroethane	**0.959**	**J**	1.00	0.220	ug/L			03/31/25 14:05	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/31/25 14:05	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/31/25 14:05	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/31/25 14:05	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/31/25 14:05	1
1,2-Dichlorobenzene	**0.906**	**J**	1.00	0.370	ug/L			03/31/25 14:05	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/31/25 14:05	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/31/25 14:05	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			03/31/25 14:05	1
1,4-Dichlorobenzene	**4.52**		1.00	0.230	ug/L			03/31/25 14:05	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/31/25 14:05	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/31/25 14:05	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/31/25 14:05	1
Acetone	<3.10		10.0	3.10	ug/L			03/31/25 14:05	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/31/25 14:05	1
Benzene	**0.254**	**J**	0.500	0.220	ug/L			03/31/25 14:05	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/31/25 14:05	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/31/25 14:05	1
Bromoform	<0.780		5.00	0.780	ug/L			03/31/25 14:05	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/31/25 14:05	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/31/25 14:05	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/31/25 14:05	1
Chlorobenzene	**1.64**		1.00	0.400	ug/L			03/31/25 14:05	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/31/25 14:05	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/31/25 14:05	1
Chloroform	<1.30		3.00	1.30	ug/L			03/31/25 14:05	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/31/25 14:05	1
cis-1,2-Dichloroethene	**0.387**	**J**	1.00	0.210	ug/L			03/31/25 14:05	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/31/25 14:05	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/31/25 14:05	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/31/25 14:05	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/31/25 14:05	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/31/25 14:05	1
Styrene	<0.370		1.00	0.370	ug/L			03/31/25 14:05	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/31/25 14:05	1
Toluene	**0.589**	**J**	1.00	0.430	ug/L			03/31/25 14:05	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/31/25 14:05	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/31/25 14:05	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/31/25 14:05	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/31/25 14:05	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/31/25 14:05	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/31/25 14:05	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/31/25 14:05	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/31/25 14:05	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1-Spring 2025 Event

Job ID: 310-302980-1

Client Sample ID: MW-16_25_03

Date Collected: 03/27/25 08:50
Date Received: 03/28/25 15:25

Lab Sample ID: 310-302980-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*107*		*73 - 130*		*03/31/25 14:05*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/31/25 14:05*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*03/31/25 14:05*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	<0.0237		0.0538	0.0237	ug/L		04/02/25 15:15	04/03/25 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*72*		*34 - 142*	*04/02/25 15:15*	*04/03/25 20:57*	*1*
2,4-Dichlorophenylacetic acid (Surr)	*69*		*34 - 142*	*04/02/25 15:15*	*04/03/25 20:57*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/02/25 09:00	04/07/25 16:58	1
Arsenic	**0.0973**		0.00200	0.000530	mg/L		04/02/25 09:00	04/07/25 16:58	1
Barium	**0.112**		0.00200	0.000660	mg/L		04/02/25 09:00	04/07/25 16:58	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/02/25 09:00	04/07/25 16:58	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/02/25 09:00	04/07/25 16:58	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/02/25 09:00	04/07/25 16:58	1
Cobalt	**0.000832**		0.000500	0.000170	mg/L		04/02/25 09:00	04/07/25 16:58	1
Copper	<0.00320		0.00500	0.00320	mg/L		04/02/25 09:00	04/07/25 16:58	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/02/25 09:00	04/07/25 16:58	1
Nickel	**0.0391**		0.00500	0.00230	mg/L		04/02/25 09:00	04/07/25 16:58	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/02/25 09:00	04/07/25 16:58	1
Silver	<0.000500		0.00100	0.000500	mg/L		04/02/25 09:00	04/07/25 16:58	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/02/25 09:00	04/07/25 16:58	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		04/02/25 09:00	04/07/25 16:58	1
Zinc	**0.0227**		0.0200	0.0130	mg/L		04/02/25 09:00	04/07/25 16:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**73.0**		15.0	10.5	mg/L			04/02/25 12:37	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1-Spring 2025 Event

Job ID: 310-302980-1

Client Sample ID: MW-17_25_03
Date Collected: 03/27/25 10:15
Date Received: 03/28/25 15:25

Lab Sample ID: 310-302980-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/31/25 14:27	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/31/25 14:27	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/31/25 14:27	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/31/25 14:27	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			03/31/25 14:27	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/31/25 14:27	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/31/25 14:27	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/31/25 14:27	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/31/25 14:27	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			03/31/25 14:27	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/31/25 14:27	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/31/25 14:27	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			03/31/25 14:27	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/31/25 14:27	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/31/25 14:27	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/31/25 14:27	1
Acetone	<3.10		10.0	3.10	ug/L			03/31/25 14:27	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/31/25 14:27	1
Benzene	<0.220		0.500	0.220	ug/L			03/31/25 14:27	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/31/25 14:27	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/31/25 14:27	1
Bromoform	<0.780		5.00	0.780	ug/L			03/31/25 14:27	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/31/25 14:27	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/31/25 14:27	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/31/25 14:27	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			03/31/25 14:27	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/31/25 14:27	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/31/25 14:27	1
Chloroform	<1.30		3.00	1.30	ug/L			03/31/25 14:27	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/31/25 14:27	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			03/31/25 14:27	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/31/25 14:27	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/31/25 14:27	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/31/25 14:27	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/31/25 14:27	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/31/25 14:27	1
Styrene	<0.370		1.00	0.370	ug/L			03/31/25 14:27	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/31/25 14:27	1
Toluene	<0.430		1.00	0.430	ug/L			03/31/25 14:27	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/31/25 14:27	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/31/25 14:27	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/31/25 14:27	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/31/25 14:27	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/31/25 14:27	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/31/25 14:27	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/31/25 14:27	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/31/25 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*73 - 130*		*03/31/25 14:27*	*1*

Client Sample ID: MW-17_25_03
Lab Sample ID: 310-302980-2
Date Collected: 03/27/25 10:15
Matrix: Water
Date Received: 03/28/25 15:25

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/31/25 14:27*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*03/31/25 14:27*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**9.09**	**J**	10.2	5.61	ug/L		03/31/25 09:00	04/09/25 10:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*96*		*45 - 129*	*03/31/25 09:00*	*04/09/25 10:47*	*1*
2-Fluorobiphenyl (Surr)	*89*		*39 - 118*	*03/31/25 09:00*	*04/09/25 10:47*	*1*
Terphenyl-d14 (Surr)	*63*		*12 - 144*	*03/31/25 09:00*	*04/09/25 10:47*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	<0.0235		0.0534	0.0235	ug/L		04/02/25 15:15	04/03/25 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*58*		*34 - 142*	*04/02/25 15:15*	*04/03/25 21:25*	*1*
2,4-Dichlorophenylacetic acid (Surr)	*62*		*34 - 142*	*04/02/25 15:15*	*04/03/25 21:25*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/02/25 09:00	04/07/25 16:56	1
Arsenic	**0.0532**		0.00200	0.000530	mg/L		04/02/25 09:00	04/07/25 16:56	1
Barium	**0.103**		0.00200	0.000660	mg/L		04/02/25 09:00	04/07/25 16:56	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/02/25 09:00	04/07/25 16:56	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/02/25 09:00	04/07/25 16:56	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/02/25 09:00	04/07/25 16:56	1
Cobalt	**0.00720**		0.000500	0.000170	mg/L		04/02/25 09:00	04/07/25 16:56	1
Copper	<0.00320		0.00500	0.00320	mg/L		04/02/25 09:00	04/07/25 16:56	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/02/25 09:00	04/07/25 16:56	1
Nickel	**0.0105**		0.00500	0.00230	mg/L		04/02/25 09:00	04/07/25 16:56	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/02/25 09:00	04/07/25 16:56	1
Silver	<0.000500		0.00100	0.000500	mg/L		04/02/25 09:00	04/07/25 16:56	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/02/25 09:00	04/07/25 16:56	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		04/02/25 09:00	04/07/25 16:56	1
Zinc	<0.0130		0.0200	0.0130	mg/L		04/02/25 09:00	04/07/25 16:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**68.0**		15.0	10.5	mg/L			04/02/25 12:37	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1-Spring 2025 Event

Job ID: 310-302980-1

Client Sample ID: FD-2_25_03
Date Collected: 03/27/25 00:00
Date Received: 03/28/25 15:25

Lab Sample ID: 310-302980-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/31/25 14:50	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/31/25 14:50	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/31/25 14:50	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/31/25 14:50	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			03/31/25 14:50	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/31/25 14:50	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/31/25 14:50	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/31/25 14:50	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/31/25 14:50	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			03/31/25 14:50	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/31/25 14:50	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/31/25 14:50	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			03/31/25 14:50	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/31/25 14:50	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/31/25 14:50	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/31/25 14:50	1
Acetone	<3.10		10.0	3.10	ug/L			03/31/25 14:50	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/31/25 14:50	1
Benzene	<0.220		0.500	0.220	ug/L			03/31/25 14:50	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/31/25 14:50	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/31/25 14:50	1
Bromoform	<0.780		5.00	0.780	ug/L			03/31/25 14:50	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/31/25 14:50	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/31/25 14:50	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/31/25 14:50	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			03/31/25 14:50	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/31/25 14:50	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/31/25 14:50	1
Chloroform	<1.30		3.00	1.30	ug/L			03/31/25 14:50	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/31/25 14:50	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			03/31/25 14:50	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/31/25 14:50	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/31/25 14:50	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/31/25 14:50	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/31/25 14:50	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/31/25 14:50	1
Styrene	<0.370		1.00	0.370	ug/L			03/31/25 14:50	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/31/25 14:50	1
Toluene	<0.430		1.00	0.430	ug/L			03/31/25 14:50	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/31/25 14:50	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/31/25 14:50	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/31/25 14:50	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/31/25 14:50	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/31/25 14:50	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/31/25 14:50	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/31/25 14:50	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/31/25 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*107*		*73 - 130*		*03/31/25 14:50*	*1*

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302980-1
Project/Site: CRLCSWA Site 1-Spring 2025 Event

Client Sample ID: FD-2_25_03
Lab Sample ID: 310-302980-3
Date Collected: 03/27/25 00:00
Matrix: Water
Date Received: 03/28/25 15:25

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/31/25 14:50*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*03/31/25 14:50*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00151**	**J**	0.00200	0.00100	mg/L		04/07/25 09:30	04/07/25 17:17	1
Arsenic	**0.0547**		0.00200	0.000530	mg/L		04/07/25 09:30	04/07/25 17:17	1
Barium	**0.105**		0.00200	0.000660	mg/L		04/07/25 09:30	04/07/25 17:17	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/07/25 09:30	04/07/25 17:17	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/07/25 09:30	04/07/25 17:17	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/07/25 09:30	04/07/25 17:17	1
Cobalt	**0.00760**		0.000500	0.000170	mg/L		04/07/25 09:30	04/07/25 17:17	1
Copper	<0.00320		0.00500	0.00320	mg/L		04/07/25 09:30	04/07/25 17:17	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/07/25 09:30	04/07/25 17:17	1
Nickel	**0.0110**		0.00500	0.00230	mg/L		04/07/25 09:30	04/07/25 17:17	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/07/25 09:30	04/07/25 17:17	1
Silver	<0.000500		0.00100	0.000500	mg/L		04/07/25 09:30	04/07/25 17:17	1
Thallium	**0.000693**	**J**	0.00100	0.000570	mg/L		04/07/25 09:30	04/07/25 17:17	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		04/07/25 09:30	04/07/25 17:17	1
Zinc	<0.0130		0.0200	0.0130	mg/L		04/07/25 09:30	04/07/25 17:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**64.5**		7.50	5.25	mg/L			04/02/25 12:37	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302980-1
Project/Site: CRLCSWA Site 1-Spring 2025 Event

Client Sample ID: TB-3_24_03
Lab Sample ID: 310-302980-4
Date Collected: 03/27/25 00:00
Matrix: Water
Date Received: 03/28/25 15:25

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.10		10.0	3.10	ug/L			03/31/25 13:42	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/31/25 13:42	1
Benzene	<0.220		0.500	0.220	ug/L			03/31/25 13:42	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/31/25 13:42	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/31/25 13:42	1
Bromoform	<0.780		5.00	0.780	ug/L			03/31/25 13:42	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/31/25 13:42	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/31/25 13:42	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/31/25 13:42	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/31/25 13:42	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			03/31/25 13:42	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/31/25 13:42	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/31/25 13:42	1
Chloroform	<1.30		3.00	1.30	ug/L			03/31/25 13:42	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/31/25 13:42	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			03/31/25 13:42	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/31/25 13:42	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/31/25 13:42	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/31/25 13:42	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/31/25 13:42	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			03/31/25 13:42	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			03/31/25 13:42	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			03/31/25 13:42	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			03/31/25 13:42	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/31/25 13:42	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/31/25 13:42	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/31/25 13:42	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/31/25 13:42	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/31/25 13:42	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/31/25 13:42	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/31/25 13:42	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/31/25 13:42	1
Styrene	<0.370		1.00	0.370	ug/L			03/31/25 13:42	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/31/25 13:42	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/31/25 13:42	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/31/25 13:42	1
Toluene	<0.430		1.00	0.430	ug/L			03/31/25 13:42	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/31/25 13:42	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/31/25 13:42	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/31/25 13:42	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/31/25 13:42	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/31/25 13:42	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/31/25 13:42	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/31/25 13:42	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/31/25 13:42	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/31/25 13:42	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/31/25 13:42	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/31/25 13:42	1

Client Sample ID: TB-3_24_03
Lab Sample ID: 310-302980-4
Date Collected: 03/27/25 00:00
Matrix: Water
Date Received: 03/28/25 15:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	106		73 - 130		03/31/25 13:42	1
Toluene-d8 (Surr)	94		80 - 120		03/31/25 13:42	1
4-Bromofluorobenzene (Surr)	98		80 - 120		03/31/25 13:42	1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1-Spring 2025 Event

Job ID: 310-302980-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(73-130)	(80-120)	(80-120)
310-302980-1	MW-16_25_03	107	95	97
310-302980-1 MS	MW-16_25_03	103	96	97
310-302980-1 MSD	MW-16_25_03	102	95	99
310-302980-2	MW-17_25_03	108	94	98
310-302980-3	FD-2_25_03	107	94	98
310-302980-4	TB-3_24_03	106	94	98
LCS 310-450214/7	Lab Control Sample	101	96	96
LCS 310-450214/8	Lab Control Sample	107	95	98
MB 310-450214/6	Method Blank	106	94	97

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	FBP	TPHL
Lab Sample ID	Client Sample ID	(45-129)	(39-118)	(12-144)
310-302980-2	MW-17_25_03	96	89	63

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8151A - Herbicides (GC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(34-142)	(34-142)
310-302980-1	MW-16_25_03	72	69
310-302980-2	MW-17_25_03	58	62
LCS 410-625334/2-A	Lab Control Sample	78	76
LCS 410-625334/2-A - DL	Lab Control Sample		81
LCSD 410-625334/3-A	Lab Control Sample Dup	68	67
LCSD 410-625334/3-A - DL	Lab Control Sample Dup		83
MB 410-625334/1-A	Method Blank	74	70

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-450214/6
Matrix: Water
Analysis Batch: 450214

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			03/31/25 12:34	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			03/31/25 12:34	1
Acetone	<3.10		10.0	3.10	ug/L			03/31/25 12:34	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			03/31/25 12:34	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			03/31/25 12:34	1
Benzene	<0.220		0.500	0.220	ug/L			03/31/25 12:34	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			03/31/25 12:34	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			03/31/25 12:34	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			03/31/25 12:34	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			03/31/25 12:34	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			03/31/25 12:34	1
Bromoform	<0.780		5.00	0.780	ug/L			03/31/25 12:34	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			03/31/25 12:34	1
Bromomethane	<1.10		4.00	1.10	ug/L			03/31/25 12:34	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			03/31/25 12:34	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			03/31/25 12:34	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			03/31/25 12:34	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			03/31/25 12:34	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			03/31/25 12:34	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			03/31/25 12:34	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			03/31/25 12:34	1
2-Hexanone	<2.00		10.0	2.00	ug/L			03/31/25 12:34	1
Chloroethane	<0.790		4.00	0.790	ug/L			03/31/25 12:34	1
Chloroform	<1.30		3.00	1.30	ug/L			03/31/25 12:34	1
Chloromethane	<0.610		3.00	0.610	ug/L			03/31/25 12:34	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			03/31/25 12:34	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			03/31/25 12:34	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			03/31/25 12:34	1
Dibromomethane	<0.330		1.00	0.330	ug/L			03/31/25 12:34	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			03/31/25 12:34	1
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			03/31/25 12:34	1
Iodomethane	<7.00		10.0	7.00	ug/L			03/31/25 12:34	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			03/31/25 12:34	1
Methylene chloride	<1.70		5.00	1.70	ug/L			03/31/25 12:34	1
Styrene	<0.370		1.00	0.370	ug/L			03/31/25 12:34	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			03/31/25 12:34	1
Toluene	<0.430		1.00	0.430	ug/L			03/31/25 12:34	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			03/31/25 12:34	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			03/31/25 12:34	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			03/31/25 12:34	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			03/31/25 12:34	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			03/31/25 12:34	1
Trichloroethene	<0.430		1.00	0.430	ug/L			03/31/25 12:34	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			03/31/25 12:34	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			03/31/25 12:34	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			03/31/25 12:34	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			03/31/25 12:34	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			03/31/25 12:34	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-450214/6
Matrix: Water
Analysis Batch: 450214

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*03/31/25 12:34*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/31/25 12:34*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*03/31/25 12:34*	*1*

Lab Sample ID: LCS 310-450214/7
Matrix: Water
Analysis Batch: 450214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	40.0	35.76		ug/L		89	50 - 150
1,2-Dibromo-3-chloropropane	20.0	17.04		ug/L		85	50 - 150
Acetone	40.0	35.57		ug/L		89	50 - 150
1,2-Dibromoethane (EDB)	20.0	19.07		ug/L		95	75 - 125
Acrylonitrile	200	198.6		ug/L		99	50 - 150
Benzene	20.0	20.95		ug/L		105	72 - 124
1,2-Dichlorobenzene	20.0	17.58		ug/L		88	74 - 120
Bromochloromethane	20.0	20.65		ug/L		103	73 - 130
1,4-Dichlorobenzene	20.0	17.65		ug/L		88	72 - 120
Bromodichloromethane	20.0	20.73		ug/L		104	74 - 122
1,3-Dichlorobenzene	20.0	18.11		ug/L		91	72 - 120
Bromoform	20.0	19.26		ug/L		96	61 - 122
1,1-Dichloroethane	20.0	20.38		ug/L		102	70 - 127
1,2-Dichloroethane	20.0	20.21		ug/L		101	71 - 125
Carbon disulfide	20.0	20.07		ug/L		100	59 - 135
1,1-Dichloroethene	20.0	21.14		ug/L		106	63 - 132
Carbon tetrachloride	20.0	21.93		ug/L		110	67 - 132
1,2-Dichloropropane	20.0	21.18		ug/L		106	73 - 124
Chlorobenzene	20.0	18.79		ug/L		94	76 - 120
Chlorodibromomethane	20.0	19.15		ug/L		96	71 - 121
2-Hexanone	40.0	36.92		ug/L		92	60 - 140
Chloroform	20.0	19.75		ug/L		99	72 - 125
4-Methyl-2-pentanone (MIBK)	40.0	36.53		ug/L		91	60 - 139
cis-1,2-Dichloroethene	20.0	20.39		ug/L		102	74 - 123
cis-1,3-Dichloropropene	20.0	19.19		ug/L		96	71 - 125
Dibromomethane	20.0	20.12		ug/L		101	74 - 125
Ethylbenzene	20.0	19.55		ug/L		98	74 - 122
1,1,1,2-Tetrachloroethane	20.0	19.85		ug/L		99	71 - 120
Iodomethane	20.0	18.03		ug/L		90	10 - 150
1,1,2,2-Tetrachloroethane	20.0	18.41		ug/L		92	68 - 124
Methylene chloride	20.0	20.15		ug/L		101	50 - 150
Styrene	20.0	19.44		ug/L		97	74 - 121
Tetrachloroethene	20.0	20.18		ug/L		101	71 - 130
Toluene	20.0	19.17		ug/L		96	74 - 123
1,1,1-Trichloroethane	20.0	21.35		ug/L		107	73 - 129
trans-1,2-Dichloroethene	20.0	20.58		ug/L		103	70 - 126
1,1,2-Trichloroethane	20.0	18.93		ug/L		95	73 - 123
trans-1,3-Dichloropropene	20.0	19.60		ug/L		98	69 - 123
trans-1,4-Dichloro-2-butene	20.0	19.42		ug/L		97	50 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-450214/7
Matrix: Water
Analysis Batch: 450214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	20.0	21.04		ug/L		105	72 - 126
1,2,3-Trichloropropane	20.0	18.17		ug/L		91	65 - 127
Vinyl acetate	40.0	41.17		ug/L		103	50 - 150
Xylenes, Total	40.0	38.68		ug/L		97	73 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*73 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*

Lab Sample ID: LCS 310-450214/8
Matrix: Water
Analysis Batch: 450214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	14.73		ug/L		74	23 - 150
Chloroethane	20.0	22.99		ug/L		115	54 - 136
Chloromethane	20.0	14.97		ug/L		75	38 - 150
Trichlorofluoromethane	20.0	25.18		ug/L		126	54 - 149
Vinyl chloride	20.0	22.93		ug/L		115	56 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*107*		*73 - 130*
Toluene-d8 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

Lab Sample ID: 310-302980-1 MS
Matrix: Water
Analysis Batch: 450214

Client Sample ID: MW-16_25_03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	<2.10		40.0	37.97		ug/L		95	38 - 150
1,2-Dibromo-3-chloropropane	<1.20		20.0	15.64		ug/L		78	38 - 150
Acetone	<3.10		40.0	38.16		ug/L		95	31 - 150
1,2-Dibromoethane (EDB)	<0.340		20.0	17.99		ug/L		90	60 - 130
Acrylonitrile	<2.20		200	195.0		ug/L		98	40 - 150
Benzene	0.254	J	20.0	19.75		ug/L		97	46 - 130
1,2-Dichlorobenzene	0.906	J	20.0	18.50		ug/L		88	59 - 130
Bromochloromethane	<0.540		20.0	20.08		ug/L		100	57 - 130
1,4-Dichlorobenzene	4.52		20.0	22.07		ug/L		88	57 - 130
Bromodichloromethane	<0.390		20.0	19.56		ug/L		98	57 - 130
1,3-Dichlorobenzene	<0.300		20.0	17.72		ug/L		89	57 - 130
Bromoform	<0.780		20.0	17.23		ug/L		86	44 - 130
1,1-Dichloroethane	0.959	J	20.0	20.21		ug/L		96	49 - 130
1,2-Dichloroethane	<0.390		20.0	19.86		ug/L		99	51 - 130
Carbon disulfide	<0.450		20.0	19.61		ug/L		98	38 - 135
1,1-Dichloroethene	<0.560		20.0	19.69		ug/L		98	37 - 132
Carbon tetrachloride	<0.650		20.0	19.51		ug/L		98	45 - 132

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-302980-1 MS
Matrix: Water
Analysis Batch: 450214

Client Sample ID: MW-16_25_03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	<0.270		20.0	20.30		ug/L		102	57 - 130
Chlorobenzene	1.64		20.0	19.47		ug/L		89	59 - 130
Chlorodibromomethane	<0.750		20.0	18.35		ug/L		92	54 - 130
2-Hexanone	<2.00		40.0	35.16		ug/L		88	46 - 140
Chloroform	<1.30		20.0	19.23		ug/L		96	51 - 130
4-Methyl-2-pentanone (MIBK)	<2.10		40.0	35.85		ug/L		90	47 - 139
cis-1,2-Dichloroethene	0.387	J	20.0	19.82		ug/L		97	45 - 130
cis-1,3-Dichloropropene	<0.250		20.0	17.32		ug/L		87	53 - 130
Dibromomethane	<0.330		20.0	19.63		ug/L		98	59 - 130
Ethylbenzene	<0.310		20.0	18.20		ug/L		91	45 - 130
1,1,1,2-Tetrachloroethane	<0.380		20.0	18.18		ug/L		91	55 - 130
Iodomethane	<7.00		20.0	16.86		ug/L		84	10 - 150
1,1,2,2-Tetrachloroethane	<0.470		20.0	17.71		ug/L		89	54 - 130
Methylene chloride	<1.70		20.0	19.75		ug/L		99	37 - 150
Styrene	<0.370		20.0	18.37		ug/L		92	47 - 130
Tetrachloroethene	<0.480		20.0	19.04		ug/L		95	47 - 130
Toluene	0.589	J	20.0	18.46		ug/L		89	51 - 130
1,1,1-Trichloroethane	<0.190		20.0	19.47		ug/L		97	52 - 130
trans-1,2-Dichloroethene	<0.270		20.0	19.49		ug/L		97	48 - 130
1,1,2-Trichloroethane	<0.450		20.0	18.28		ug/L		91	58 - 130
trans-1,3-Dichloropropene	<0.560		20.0	16.84		ug/L		84	50 - 130
trans-1,4-Dichloro-2-butene	<1.10		20.0	17.57		ug/L		88	26 - 150
Trichloroethene	<0.430		20.0	19.56		ug/L		98	51 - 130
1,2,3-Trichloropropane	<0.590		20.0	17.28		ug/L		86	49 - 130
Vinyl acetate	<2.50		40.0	38.01		ug/L		95	29 - 150
Xylenes, Total	<0.400		40.0	36.19		ug/L		90	43 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*73 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*

Lab Sample ID: 310-302980-1 MSD
Matrix: Water
Analysis Batch: 450214

Client Sample ID: MW-16_25_03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Butanone (MEK)	<2.10		40.0	37.20		ug/L		93	38 - 150	2	20
1,2-Dibromo-3-chloropropane	<1.20		20.0	16.57		ug/L		83	38 - 150	6	20
Acetone	<3.10		40.0	36.67		ug/L		92	31 - 150	4	29
1,2-Dibromoethane (EDB)	<0.340		20.0	17.98		ug/L		90	60 - 130	0	20
Acrylonitrile	<2.20		200	190.3		ug/L		95	40 - 150	2	20
Benzene	0.254	J	20.0	18.81		ug/L		93	46 - 130	5	20
1,2-Dichlorobenzene	0.906	J	20.0	18.37		ug/L		87	59 - 130	1	20
Bromochloromethane	<0.540		20.0	19.21		ug/L		96	57 - 130	4	20
1,4-Dichlorobenzene	4.52		20.0	21.94		ug/L		87	57 - 130	1	20
Bromodichloromethane	<0.390		20.0	19.18		ug/L		96	57 - 130	2	20
1,3-Dichlorobenzene	<0.300		20.0	17.86		ug/L		89	57 - 130	1	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-302980-1 MSD
Matrix: Water
Analysis Batch: 450214

Client Sample ID: MW-16_25_03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromoform	<0.780		20.0	17.64		ug/L		88	44 - 130	2	20
1,1-Dichloroethane	0.959	J	20.0	19.59		ug/L		93	49 - 130	3	20
1,2-Dichloroethane	<0.390		20.0	18.99		ug/L		95	51 - 130	4	20
Carbon disulfide	<0.450		20.0	17.95		ug/L		90	38 - 135	9	30
1,1-Dichloroethene	<0.560		20.0	18.76		ug/L		94	37 - 132	5	26
Carbon tetrachloride	<0.650		20.0	19.30		ug/L		97	45 - 132	1	20
1,2-Dichloropropane	<0.270		20.0	19.16		ug/L		96	57 - 130	6	20
Chlorobenzene	1.64		20.0	19.01		ug/L		87	59 - 130	2	20
Chlorodibromomethane	<0.750		20.0	17.84		ug/L		89	54 - 130	3	20
2-Hexanone	<2.00		40.0	35.35		ug/L		88	46 - 140	1	20
Chloroform	<1.30		20.0	18.34		ug/L		92	51 - 130	5	20
4-Methyl-2-pentanone (MIBK)	<2.10		40.0	35.11		ug/L		88	47 - 139	2	20
cis-1,2-Dichloroethene	0.387	J	20.0	19.10		ug/L		94	45 - 130	4	20
cis-1,3-Dichloropropene	<0.250		20.0	17.31		ug/L		87	53 - 130	0	20
Dibromomethane	<0.330		20.0	19.02		ug/L		95	59 - 130	3	20
Ethylbenzene	<0.310		20.0	17.76		ug/L		89	45 - 130	2	20
1,1,1,2-Tetrachloroethane	<0.380		20.0	18.16		ug/L		91	55 - 130	0	20
Iodomethane	<7.00		20.0	17.29		ug/L		86	10 - 150	3	35
1,1,2,2-Tetrachloroethane	<0.470		20.0	17.31		ug/L		87	54 - 130	2	20
Methylene chloride	<1.70		20.0	19.32		ug/L		97	37 - 150	2	24
Styrene	<0.370		20.0	17.80		ug/L		89	47 - 130	3	20
Tetrachloroethene	<0.480		20.0	18.53		ug/L		93	47 - 130	3	20
Toluene	0.589	J	20.0	17.79		ug/L		86	51 - 130	4	20
1,1,1-Trichloroethane	<0.190		20.0	18.89		ug/L		94	52 - 130	3	20
trans-1,2-Dichloroethene	<0.270		20.0	18.66		ug/L		93	48 - 130	4	22
1,1,2-Trichloroethane	<0.450		20.0	18.08		ug/L		90	58 - 130	1	20
trans-1,3-Dichloropropene	<0.560		20.0	17.27		ug/L		86	50 - 130	3	20
trans-1,4-Dichloro-2-butene	<1.10		20.0	17.69		ug/L		88	26 - 150	1	23
Trichloroethene	<0.430		20.0	18.73		ug/L		94	51 - 130	4	20
1,2,3-Trichloropropane	<0.590		20.0	16.95		ug/L		85	49 - 130	2	26
Vinyl acetate	<2.50		40.0	38.72		ug/L		97	29 - 150	2	23
Xylenes, Total	<0.400		40.0	35.42		ug/L		89	43 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*102*		*73 - 130*
Toluene-d8 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-625334/1-A
Matrix: Water
Analysis Batch: 625739

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 625334

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	<0.0220		0.0500	0.0220	ug/L		04/02/25 15:15	04/03/25 18:35	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 410-625334/1-A
Matrix: Water
Analysis Batch: 625739

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 625334

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	74		34 - 142	04/02/25 15:15	04/03/25 18:35	1
2,4-Dichlorophenylacetic acid (Surr)	70		34 - 142	04/02/25 15:15	04/03/25 18:35	1

Lab Sample ID: LCS 410-625334/2-A
Matrix: Water
Analysis Batch: 625739

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 625334

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr)	78		34 - 142
2,4-Dichlorophenylacetic acid (Surr)	76		34 - 142

Lab Sample ID: LCSD 410-625334/3-A
Matrix: Water
Analysis Batch: 625739

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 625334

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr)	68		34 - 142
2,4-Dichlorophenylacetic acid (Surr)	67		34 - 142

Method: 8151A - Herbicides (GC) - DL

Lab Sample ID: LCS 410-625334/2-A
Matrix: Water
Analysis Batch: 625739

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 625334

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Silvex (2,4,5-TP) - DL			4.01	2.536		ug/L		63	62 - 170		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) - DL	81		34 - 142

Lab Sample ID: LCSD 410-625334/3-A
Matrix: Water
Analysis Batch: 625739

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 625334

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silvex (2,4,5-TP) - DL			4.01	2.747		ug/L		69	62 - 170	8	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) - DL	83		34 - 142

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-450341/1-A
Matrix: Water
Analysis Batch: 450918

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 450341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/02/25 09:00	04/07/25 15:39	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		04/02/25 09:00	04/07/25 15:39	1
Barium	<0.000660		0.00200	0.000660	mg/L		04/02/25 09:00	04/07/25 15:39	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/02/25 09:00	04/07/25 15:39	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/02/25 09:00	04/07/25 15:39	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/02/25 09:00	04/07/25 15:39	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		04/02/25 09:00	04/07/25 15:39	1
Copper	<0.00320		0.00500	0.00320	mg/L		04/02/25 09:00	04/07/25 15:39	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/02/25 09:00	04/07/25 15:39	1
Nickel	<0.00230		0.00500	0.00230	mg/L		04/02/25 09:00	04/07/25 15:39	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/02/25 09:00	04/07/25 15:39	1
Silver	<0.000500		0.00100	0.000500	mg/L		04/02/25 09:00	04/07/25 15:39	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/02/25 09:00	04/07/25 15:39	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		04/02/25 09:00	04/07/25 15:39	1
Zinc	<0.0130		0.0200	0.0130	mg/L		04/02/25 09:00	04/07/25 15:39	1

Lab Sample ID: LCS 310-450341/2-A
Matrix: Water
Analysis Batch: 450918

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 450341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2287		mg/L		114	80 - 120
Arsenic	0.200	0.2124		mg/L		106	80 - 120
Barium	0.100	0.1064		mg/L		106	80 - 120
Beryllium	0.100	0.1041		mg/L		104	80 - 120
Cadmium	0.100	0.1041		mg/L		104	80 - 120
Chromium	0.100	0.1040		mg/L		104	80 - 120
Cobalt	0.100	0.1120		mg/L		112	80 - 120
Copper	0.200	0.2166		mg/L		108	80 - 120
Lead	0.200	0.2163		mg/L		108	80 - 120
Nickel	0.200	0.2118		mg/L		106	80 - 120
Selenium	0.400	0.4060		mg/L		102	80 - 120
Silver	0.100	0.1063		mg/L		106	80 - 120
Thallium	0.100	0.09623		mg/L		96	80 - 120
Vanadium	0.100	0.1026		mg/L		103	80 - 120
Zinc	0.200	0.2024		mg/L		101	80 - 120

Lab Sample ID: 310-302994-A-17-B MS
Matrix: Water
Analysis Batch: 450918

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 450341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00101	J	0.200	0.2265		mg/L		113	75 - 125
Arsenic	<0.000530		0.200	0.2081		mg/L		104	75 - 125
Barium	0.349		0.100	0.4670		mg/L		118	75 - 125
Beryllium	<0.000330		0.100	0.1018		mg/L		102	75 - 125
Cadmium	<0.000100		0.100	0.1019		mg/L		102	75 - 125
Chromium	<0.00180		0.100	0.1007		mg/L		101	75 - 125
Cobalt	<0.000170		0.100	0.1020		mg/L		102	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-302994-A-17-B MS
Matrix: Water
Analysis Batch: 450918

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 450341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	<0.00320		0.200	0.1998		mg/L		100	75 - 125
Lead	<0.000330		0.200	0.2060		mg/L		103	75 - 125
Nickel	0.00762		0.200	0.2046		mg/L		98	75 - 125
Selenium	<0.00140		0.400	0.3986		mg/L		100	75 - 125
Silver	<0.000500		0.100	0.1044		mg/L		104	75 - 125
Thallium	<0.000570		0.100	0.08849		mg/L		88	75 - 125
Vanadium	<0.00170		0.100	0.1012		mg/L		101	75 - 125
Zinc	<0.0130		0.200	0.1973		mg/L		99	75 - 125

Lab Sample ID: 310-302994-A-17-C MSD
Matrix: Water
Analysis Batch: 450918

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 450341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.00101	J	0.200	0.2267		mg/L		113	75 - 125	0	20
Arsenic	<0.000530		0.200	0.2090		mg/L		105	75 - 125	0	20
Barium	0.349		0.100	0.4573		mg/L		108	75 - 125	2	20
Beryllium	<0.000330		0.100	0.1013		mg/L		101	75 - 125	0	20
Cadmium	<0.000100		0.100	0.1011		mg/L		101	75 - 125	1	20
Chromium	<0.00180		0.100	0.09913		mg/L		99	75 - 125	2	20
Cobalt	<0.000170		0.100	0.1017		mg/L		102	75 - 125	0	20
Copper	<0.00320		0.200	0.2015		mg/L		101	75 - 125	1	20
Lead	<0.000330		0.200	0.2046		mg/L		102	75 - 125	1	20
Nickel	0.00762		0.200	0.2055		mg/L		99	75 - 125	0	20
Selenium	<0.00140		0.400	0.4006		mg/L		100	75 - 125	1	20
Silver	<0.000500		0.100	0.1083		mg/L		108	75 - 125	4	20
Thallium	<0.000570		0.100	0.08772		mg/L		88	75 - 125	1	20
Vanadium	<0.00170		0.100	0.1004		mg/L		100	75 - 125	1	20
Zinc	<0.0130		0.200	0.1957		mg/L		98	75 - 125	1	20

Lab Sample ID: 310-302994-A-18-B DU
Matrix: Water
Analysis Batch: 450918

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 450341

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00100		<0.00100		mg/L		NC	20
Arsenic	0.00101	J	0.0009910	J	mg/L		2	20
Barium	0.0776		0.07613		mg/L		2	20
Beryllium	<0.000330		<0.000330		mg/L		NC	20
Cadmium	<0.000100		<0.000100		mg/L		NC	20
Chromium	<0.00180		<0.00180		mg/L		NC	20
Cobalt	0.000172	J	<0.000170		mg/L		NC	20
Copper	<0.00320		<0.00320		mg/L		NC	20
Lead	<0.000330		<0.000330		mg/L		NC	20
Nickel	<0.00230		<0.00230		mg/L		NC	20
Selenium	<0.00140		<0.00140		mg/L		NC	20
Silver	<0.000500		<0.000500		mg/L		NC	20
Thallium	<0.000570		<0.000570		mg/L		NC	20
Vanadium	<0.00170		<0.00170		mg/L		NC	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-302994-A-18-B DU
Matrix: Water
Analysis Batch: 450918

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 450341

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	<0.0130		<0.0130		mg/L		NC	20

Lab Sample ID: MB 310-450741/1-A
Matrix: Water
Analysis Batch: 450918

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 450741

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		04/07/25 09:30	04/07/25 17:03	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		04/07/25 09:30	04/07/25 17:03	1
Barium	<0.000660		0.00200	0.000660	mg/L		04/07/25 09:30	04/07/25 17:03	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/07/25 09:30	04/07/25 17:03	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		04/07/25 09:30	04/07/25 17:03	1
Chromium	<0.00180		0.00500	0.00180	mg/L		04/07/25 09:30	04/07/25 17:03	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		04/07/25 09:30	04/07/25 17:03	1
Copper	<0.00320		0.00500	0.00320	mg/L		04/07/25 09:30	04/07/25 17:03	1
Lead	<0.000330		0.000500	0.000330	mg/L		04/07/25 09:30	04/07/25 17:03	1
Nickel	<0.00230		0.00500	0.00230	mg/L		04/07/25 09:30	04/07/25 17:03	1
Selenium	<0.00140		0.00500	0.00140	mg/L		04/07/25 09:30	04/07/25 17:03	1
Silver	<0.000500		0.00100	0.000500	mg/L		04/07/25 09:30	04/07/25 17:03	1
Thallium	<0.000570		0.00100	0.000570	mg/L		04/07/25 09:30	04/07/25 17:03	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		04/07/25 09:30	04/07/25 17:03	1
Zinc	<0.0130		0.0200	0.0130	mg/L		04/07/25 09:30	04/07/25 17:03	1

Lab Sample ID: LCS 310-450741/2-A
Matrix: Water
Analysis Batch: 450918

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 450741

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2280		mg/L		114	80 - 120
Arsenic	0.200	0.2040		mg/L		102	80 - 120
Barium	0.100	0.1023		mg/L		102	80 - 120
Beryllium	0.100	0.09638		mg/L		96	80 - 120
Cadmium	0.100	0.09947		mg/L		99	80 - 120
Chromium	0.100	0.09917		mg/L		99	80 - 120
Cobalt	0.100	0.1072		mg/L		107	80 - 120
Copper	0.200	0.2078		mg/L		104	80 - 120
Lead	0.200	0.2061		mg/L		103	80 - 120
Nickel	0.200	0.2027		mg/L		101	80 - 120
Selenium	0.400	0.3899		mg/L		97	80 - 120
Silver	0.100	0.1053		mg/L		105	80 - 120
Thallium	0.100	0.09033		mg/L		90	80 - 120
Vanadium	0.100	0.09810		mg/L		98	80 - 120
Zinc	0.200	0.1927		mg/L		96	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-303159-A-5-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450918 — **Prep Batch: 450741**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00120	J	0.200	0.2343		mg/L		117	75 - 125
Arsenic	0.000917	J	0.200	0.2147		mg/L		107	75 - 125
Barium	0.192		0.100	0.2906		mg/L		99	75 - 125
Beryllium	<0.000330		0.100	0.1018		mg/L		102	75 - 125
Cadmium	<0.000100		0.100	0.1045		mg/L		104	75 - 125
Chromium	<0.00180		0.100	0.1013		mg/L		101	75 - 125
Cobalt	<0.000170		0.100	0.1062		mg/L		106	75 - 125
Copper	<0.00320		0.200	0.2098		mg/L		105	75 - 125
Lead	<0.000330		0.200	0.2123		mg/L		106	75 - 125
Nickel	<0.00230		0.200	0.2036		mg/L		102	75 - 125
Selenium	<0.00140		0.400	0.4067		mg/L		102	75 - 125
Silver	<0.000500		0.100	0.1084		mg/L		108	75 - 125
Thallium	<0.000570		0.100	0.08686		mg/L		87	75 - 125
Vanadium	<0.00170		0.100	0.1030		mg/L		103	75 - 125
Zinc	<0.0130		0.200	0.2055		mg/L		103	75 - 125

Lab Sample ID: 310-303159-A-5-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450918 — **Prep Batch: 450741**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.00120	J	0.200	0.2304		mg/L		115	75 - 125	2	20
Arsenic	0.000917	J	0.200	0.2128		mg/L		106	75 - 125	1	20
Barium	0.192		0.100	0.2884		mg/L		97	75 - 125	1	20
Beryllium	<0.000330		0.100	0.1012		mg/L		101	75 - 125	1	20
Cadmium	<0.000100		0.100	0.1039		mg/L		104	75 - 125	1	20
Chromium	<0.00180		0.100	0.1004		mg/L		100	75 - 125	1	20
Cobalt	<0.000170		0.100	0.1032		mg/L		103	75 - 125	3	20
Copper	<0.00320		0.200	0.2052		mg/L		103	75 - 125	2	20
Lead	<0.000330		0.200	0.2104		mg/L		105	75 - 125	1	20
Nickel	<0.00230		0.200	0.2017		mg/L		101	75 - 125	1	20
Selenium	<0.00140		0.400	0.4072		mg/L		102	75 - 125	0	20
Silver	<0.000500		0.100	0.1063		mg/L		106	75 - 125	2	20
Thallium	<0.000570		0.100	0.08630		mg/L		86	75 - 125	1	20
Vanadium	<0.00170		0.100	0.1024		mg/L		102	75 - 125	1	20
Zinc	<0.0130		0.200	0.2018		mg/L		101	75 - 125	2	20

Lab Sample ID: 310-303159-A-1-B DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450918 — **Prep Batch: 450741**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00100		<0.00100		mg/L		NC	20
Arsenic	0.0217		0.02157		mg/L		0.5	20
Barium	0.316		0.3124		mg/L		1	20
Beryllium	<0.000330		<0.000330		mg/L		NC	20
Cadmium	<0.000100		<0.000100		mg/L		NC	20
Chromium	<0.00180		<0.00180		mg/L		NC	20
Cobalt	0.000813		0.0007820		mg/L		4	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-303159-A-1-B DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450918 — **Prep Batch: 450741**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Copper	<0.00320			<0.00320		mg/L				NC	20
Lead	<0.000330			<0.000330		mg/L				NC	20
Nickel	0.00384	J		0.003869	J	mg/L				0.7	20
Selenium	<0.00140			<0.00140		mg/L				NC	20
Silver	<0.000500			<0.000500		mg/L				NC	20
Thallium	<0.000570			<0.000570		mg/L				NC	20
Vanadium	<0.00170			<0.00170		mg/L				NC	20
Zinc	<0.0130			<0.0130		mg/L				NC	20

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-450489/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450489

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<3.50		5.00	3.50	mg/L			04/02/25 12:37	1

Lab Sample ID: LCS 310-450489/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450489

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			100	90.00		mg/L		90	81 - 116		

Lab Sample ID: 310-302979-E-2 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450489

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	57.0			55.00		mg/L				4	35

GC/MS VOA

Analysis Batch: 450214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302980-1	MW-16_25_03	Total/NA	Water	8260D	
310-302980-2	MW-17_25_03	Total/NA	Water	8260D	
310-302980-3	FD-2_25_03	Total/NA	Water	8260D	
310-302980-4	TB-3_24_03	Total/NA	Water	8260D	
MB 310-450214/6	Method Blank	Total/NA	Water	8260D	
LCS 310-450214/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-450214/8	Lab Control Sample	Total/NA	Water	8260D	
310-302980-1 MS	MW-16_25_03	Total/NA	Water	8260D	
310-302980-1 MSD	MW-16_25_03	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 450191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302980-2	MW-17_25_03	Total/NA	Water	3510C	

Analysis Batch: 451028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302980-2	MW-17_25_03	Total/NA	Water	8270E	450191

GC Semi VOA

Prep Batch: 625334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302980-1	MW-16_25_03	Total/NA	Water	8151A	
310-302980-2	MW-17_25_03	Total/NA	Water	8151A	
MB 410-625334/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-625334/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	
LCS 410-625334/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-625334/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	
LCSD 410-625334/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 625739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302980-1	MW-16_25_03	Total/NA	Water	8151A	625334
310-302980-2	MW-17_25_03	Total/NA	Water	8151A	625334
MB 410-625334/1-A	Method Blank	Total/NA	Water	8151A	625334
LCS 410-625334/2-A	Lab Control Sample	Total/NA	Water	8151A	625334
LCS 410-625334/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	625334
LCSD 410-625334/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	625334
LCSD 410-625334/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	625334

Metals

Prep Batch: 450341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302980-1	MW-16_25_03	Total/NA	Water	3005A	
310-302980-2	MW-17_25_03	Total/NA	Water	3005A	
MB 310-450341/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-450341/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-302994-A-17-B MS	Matrix Spike	Total/NA	Water	3005A	
310-302994-A-17-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	

Metals (Continued)

Prep Batch: 450341 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302994-A-18-B DU	Duplicate	Total/NA	Water	3005A	

Prep Batch: 450741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302980-3	FD-2_25_03	Total/NA	Water	3005A	
MB 310-450741/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-450741/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-303159-A-5-B MS	Matrix Spike	Total/NA	Water	3005A	
310-303159-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	
310-303159-A-1-B DU	Duplicate	Total/NA	Water	3005A	

Analysis Batch: 450918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302980-1	MW-16_25_03	Total/NA	Water	6020B	450341
310-302980-2	MW-17_25_03	Total/NA	Water	6020B	450341
310-302980-3	FD-2_25_03	Total/NA	Water	6020B	450741
MB 310-450341/1-A	Method Blank	Total/NA	Water	6020B	450341
MB 310-450741/1-A	Method Blank	Total/NA	Water	6020B	450741
LCS 310-450341/2-A	Lab Control Sample	Total/NA	Water	6020B	450341
LCS 310-450741/2-A	Lab Control Sample	Total/NA	Water	6020B	450741
310-302994-A-17-B MS	Matrix Spike	Total/NA	Water	6020B	450341
310-302994-A-17-C MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	450341
310-303159-A-5-B MS	Matrix Spike	Total/NA	Water	6020B	450741
310-303159-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	450741
310-302994-A-18-B DU	Duplicate	Total/NA	Water	6020B	450341
310-303159-A-1-B DU	Duplicate	Total/NA	Water	6020B	450741

General Chemistry

Analysis Batch: 450489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-302980-1	MW-16_25_03	Total/NA	Water	I-3765-85	
310-302980-2	MW-17_25_03	Total/NA	Water	I-3765-85	
310-302980-3	FD-2_25_03	Total/NA	Water	I-3765-85	
MB 310-450489/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-450489/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-302979-E-2 DU	Duplicate	Total/NA	Water	I-3765-85	

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302980-1
Project/Site: CRLCSWA Site 1-Spring 2025 Event

Client Sample ID: MW-16_25_03
Lab Sample ID: 310-302980-1
Date Collected: 03/27/25 08:50
Matrix: Water
Date Received: 03/28/25 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450214	FE5V	EET CF	03/31/25 14:05
Total/NA	Prep	8151A			625334	QJZ6	ELLE	04/02/25 15:15
Total/NA	Analysis	8151A		1	625739	UAMZ	ELLE	04/03/25 20:57
Total/NA	Prep	3005A			450341	QTZ5	EET CF	04/02/25 09:00
Total/NA	Analysis	6020B		1	450918	NFT2	EET CF	04/07/25 16:58
Total/NA	Analysis	I-3765-85		1	450489	DGU1	EET CF	04/02/25 12:37

Client Sample ID: MW-17_25_03
Lab Sample ID: 310-302980-2
Date Collected: 03/27/25 10:15
Matrix: Water
Date Received: 03/28/25 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450214	FE5V	EET CF	03/31/25 14:27
Total/NA	Prep	3510C			450191	J5BR	EET CF	03/31/25 09:00
Total/NA	Analysis	8270E		1	451028	V7YZ	EET CF	04/09/25 10:47
Total/NA	Prep	8151A			625334	QJZ6	ELLE	04/02/25 15:15
Total/NA	Analysis	8151A		1	625739	UAMZ	ELLE	04/03/25 21:25
Total/NA	Prep	3005A			450341	QTZ5	EET CF	04/02/25 09:00
Total/NA	Analysis	6020B		1	450918	NFT2	EET CF	04/07/25 16:56
Total/NA	Analysis	I-3765-85		1	450489	DGU1	EET CF	04/02/25 12:37

Client Sample ID: FD-2_25_03
Lab Sample ID: 310-302980-3
Date Collected: 03/27/25 00:00
Matrix: Water
Date Received: 03/28/25 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450214	FE5V	EET CF	03/31/25 14:50
Total/NA	Prep	3005A			450741	Y3EC	EET CF	04/07/25 09:30
Total/NA	Analysis	6020B		1	450918	NFT2	EET CF	04/07/25 17:17
Total/NA	Analysis	I-3765-85		1	450489	DGU1	EET CF	04/02/25 12:37

Client Sample ID: TB-3_24_03
Lab Sample ID: 310-302980-4
Date Collected: 03/27/25 00:00
Matrix: Water
Date Received: 03/28/25 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	450214	FE5V	EET CF	03/31/25 13:42

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302980-1
Project/Site: CRLCSWA Site 1-Spring 2025 Event

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	02-28-25 *
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	04-07-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-25
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-25 *
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302980-1
Project/Site: CRLCSWA Site 1-Spring 2025 Event

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-25
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

Method Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-302980-1
Project/Site: CRLCSWA Site 1-Spring 2025 Event

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8151A	Herbicides (GC)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

eurofins | Environment Testing America

310-302980 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Fath

City/State: CITY Cedar Rapids STATE IA | Project:

Receipt Information

Date/Time Received: DATE 3/28/25 TIME 1525 | Received By: XB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other._____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☐ Yes ☒ No *If yes:* Cooler # _____ of _____

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

all

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other._____ ☐ NONE

Thermometer ID: 2 | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 2.6 | Corrected Temp (°C): 2.6

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 1 of 2

COC Number: 1-3865545471-031325-108762

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 24C034.00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1 - Spring 2025 Event	Regulatory Agency: Iowa DNR	Sampling Team Members: Tyler Merritt Curtis Schwartz Randy Gawin
hannah.dubbs@foth.com	Task #: 24C034_25_03	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix I List	TSS	1,3-Dichlorobenzene	Bis(2-ethylhexyl)phthalate	2,4,5-TP	beta-BHC	Tin	Filtered (Y/N)	REMARKS / Lab ID
							N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
1	MW-12_25_03	MW-12	WG	G											X	X	X			X	X		
2	MW-13_25_03	MW-13	WG	G											X	X	X		X				
3	MW-14_25_03	MW-14	WG	G											X	X							
4	MW-16_25_03	MW-16	WG	G	3/27/25	8:50	10	6		1	3				X	X	X		X				
5	MW-17_25_03	MW-17	WG	G	3/27/25	10:15	12	8		1	3				X	X		X	X				
6	MW-32_25_03	MW-32	WG	G											X	X		X	X		X		
7	MW-33_25_03	MW-33	WG	G											X	X		X			X		
8	MW-37_25_03	MW-37	WG	G											X	X	X	X	X	X	X		
9	MW-38_25_03	MW-38	WG	G											X	X		X			X		
10	MW-101A_25_03	MW-101A	WG	G											X	X	X	X	X	X	X		
11	MW-101B_25_03	MW-101B	WG	G											X	X		X			X		
12	MW-109B_25_03	MW-109B	WG	G											X	X							

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS

ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
				XB/FT	3/28/25	1525

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt

DATE Signed: 3/27/25

4/4/2025

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 2 of 2

COC Number: 1-3865545471-031325-108762

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 24C034.00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses. gina.wilming@foth.com	Project Name: CRLCSWA Site 1 - Spring 2025 Event	Regulatory Agency: Iowa DNR	Sampling Team Members: Tyler Merritt Curtis Schaefer Randy Gavin
hannah.dubbs@foth.com	Task #: 24C034_25_03	State Location. Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix I List	TSS	1,3-Dichlorobenzene	Bis(2-ethylhexyl)phthalate	2,4,5-TP	beta-BHC	Tin	IA Appendix I VOCs Only	Filtered (Y/N)	REMARKS / Lab ID
															N	N	N	N	N	N	N	N		
13	FD-1_25_03		WG	G											X	X								
14	FD-2_25_03		WG	G											X	X								
15	FB-1_25_03	FB-1	WQ	G											X	X	X	X	X	X	X			
16	TB-1_25_03	Trip Blank	WQ	G													X					X		
17	TB-2_25_03	Trip Blank	WQ	G													X					X		Do Not Analyse
18	TB-3_25_03	Trip Blank	WQ	G	—	—	4	2			2						X					X		
19																								
20																								
21																								
22																								
23																								
24																								

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
								XB/cf	3/28/25	1525

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER

DATE Signed: 3/27/25

4/4/2025

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone: 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-81633.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State Program - Iowa		Job #: 310-302980-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 4/10/2025			
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CRLCSWA Site 1-Spring 2025 Event	Project #: 31009776			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:
-

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A/8151A_AP (MOD) Standard Herbicides	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-16_25_03 (310-302980-1)	3/27/25	08:50 Central	G	Water			X	2	
MW-17_25_03 (310-302980-2)	3/27/25	10:15 Central	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/31/25 1315				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4/1/25 10:30	Company ECLET

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.0-3.0

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-302980-1

Login Number: 302980

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Bunker, Xavier M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-302980-1

Login Number: 302980
List Number: 2
Creator: Ballard, Megan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 04/01/25 03:42 PM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Data Validation Report

Project Name:	CRLCSWA Site 1 – Cedar Rapids, IA (24C034.00)
Task Name:	24C034_25_03
Data Set Description:	Spring 2025 Groundwater Event
Laboratory(s):	Eurofins – Cedar Falls, IA and Lancaster, PA
Laboratory Sample Delivery Group (SDG) ID(s):	310-302812-1, 310-302980-1
Sample Collection Dates:	3/25/2025 – 3/27/2025
Sample Analysis Dates:	3/27/2025 – 4/9/2025
Sample Matrices:	Groundwater
Sample IDs Reviewed:	See Table 1
Verification and Validation Stage, 100% data:	☐ 1 ☒ 2A ☐ 2B ☐ 3 ☐ 4
Verified and Validated By:	Hannah Possehl, Environmental Data Scientist 5/20/2025

The analytical data were validated to verify that laboratory quality assurance and quality control (QA/QC) procedures were documented and to evaluate the overall quality of the data reported. Analytical reports include 12 investigative groundwater samples collected via low-flow or no-purge sampling techniques at the Cedar Rapids Linn County Solid Waste Agency (CRLCSWA) Site 1 from March 25 to March 27, 2025; samples are listed in Table 1. The data were collected in accordance with the *Hydrologic Monitoring System Plan* (HRG, 2006), Iowa Department of Natural Resources (IDNR) Sanitary Disposal Closure Permit Number 57-SDP-03-75C (including Amendments), and 567 Iowa Administrative Code (IAC) 113.10.

Validation Summary

Stage 2A data validation was performed on 100% of the data from these SDGs, with review tasks and items of note documented in the summary table below.

Validation Task and Description	Review Notes	Action
Chain of Custody (COC) and Sample Receipt Form Confirm relinquish & receipt signatures. Confirm parameters and analytical methods match COC and Hydrologic Monitoring System Plan (HMSP).	All appropriate relinquish and receipt signatures were present with the exceptions listed below. Parameters and analytical methods analyzed match the COC and current sampling program with the exception below. The COCs associated with laboratory reports 310-302812-1 and 310-302980-1 are missing the relinquished signature by the field team. The Cooler/Sample Receipt and Temperature Log Forms note that samples do not appear to have been compromised or tampered with and arrived at the lab in good condition. Therefore, no further action is required. The field team will be contacted regarding custody procedures prior to future sampling events. Trip blank TB-2_25_03 was provided by the lab but was not analyzed since only two shipments of volatile samples occurred and trip blanks TB-1_25_03 and TB-3_25_03 were utilized as the	Not applicable Not applicable

Validation Task and Description	Review Notes	Action
COC and Sample Receipt Form Continued	trip blanks for those shipments. The COC notes indicated not to perform analysis on TB-2_25_03. Eurofins inadvertently labeled sample TB-3_25_03 as TB-3_24_03 in laboratory report 310-302980-1. Foth did not request a revised report. The sample name will be corrected in the laboratory electronic data deliverable (EDD) prior to data upload. For MW-109B_25_03, the field files and COC noted the sample was taken on 3/26/2025; however, the laboratory reported the sample date as 3/25/2025 in laboratory report 310-302812-1. A revised laboratory report was not requested. The sample date for MW-109B_25_03 will be updated on the lab electronic data deliverable (EDD) prior to upload. For FD-1_25_03, the field files and COC noted the sample was taken on 3/25/2025; however, the laboratory reported the sample date as 3/26/2025 in laboratory report 310-302812-1. A revised laboratory report was not requested. The sample date for FD-1_25_03 will be updated on the lab EDD prior to upload. For FB-1_25_03, the field files and COC noted the sample was taken on 3/26/2025; however, the laboratory reported the sample date as 3/25/2025 in laboratory report 310-302812-1. A revised laboratory report was not requested. The sample date for FB-1_25_03 will be updated on the lab EDD prior to upload.	See above Mislabeled sample ID will be updated in the lab EDD prior to data upload. MW-109B_25_03 sample date will be updated in the lab EDD prior to data upload. FD-1_25_03 sample date will be updated in the lab EDD prior to data upload. FB-1_25_03 sample date will be updated in the lab EDD prior to data upload.
Case Narrative Review for items noted by the laboratory that may impact the validation process.	The quality control issues noted in the case narratives were reviewed and found acceptable. Issues either were addressed in the comments below, had no impact on investigative samples, or were corrected/qualified by the laboratory. No additional actions are required. Note: continuing calibration verification (CCV) evaluation is not part of Stage 2A validation.	Not applicable
Sample Condition Upon Receipt (SCUR) Confirm samples in acceptable condition and no discrepancies noted. Confirm preservation meets method requirements.	With the exception identified below, samples were received by Eurofins – Cedar Falls, IA in acceptable conditions. In addition, the herbicide sample shipments from Eurofins – Cedar Falls, IA to Eurofins – Lancaster, PA were received in acceptable conditions. The case narrative for 310-302812-1 indicated the metals container for MW-13_25_03 was received with a pH greater than (>) 2, and Eurofins adjusted the pH to less than (<) 2 upon receipt. In accordance with the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (USEPA, 2020a), Inductively Coupled Plasma Mass Spectrometry (ICP-MS) metals samples adjusted to a pH ,2 by the laboratory do not require qualification.	Not applicable No qualifier assigned

Validation Task and Description	Review Notes	Action
Methods Requested Confirm methods match project requirements and lab provided all methods ordered.	The methods ordered and analyzed were performed in accordance with the project requirements. Methods include United States Environmental Protection Agency (USEPA) 8260D Volatile Organic Compounds (VOCs), USEPA 8270E Semivolatile Organic Compounds (SVOCs), USEPA 8151A Herbicides, USEPA 8081B Organochlorine Pesticides, USEPA 6020B Total Metals, and United States Geological Survey (USGS) I-3765-85 Total Suspended Solids.	Not applicable
Analytes Requested Confirm analytes ordered match project requirements and lab provided all analytes ordered.	The analytes requested were analyzed in accordance with the project requirements. The laboratory provided all analytes ordered.	Not applicable
Holding Times Confirm laboratory performed extractions and analyses within method-required holding times.	Eurofins performed analysis within the method-required holding times with the exceptions below. 310-302812-1 Analysis for herbicides per USEPA Method 8151A is required to be extracted within 7 days of sampling and analyzed within 40 days of extraction. MW-37_25_03 and MW-101A_25_03 were extracted outside the 7-day holding time, but analyzed within the 40-day holding time. In accordance with the *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, 2020b), when herbicide samples are extracted outside the 7-day hold time and analyzed outside or within the 40-day holding time, detected pesticides are qualified J and non-detects are rejected (qualified R). Professional judgment was utilized not to qualify the non-detect herbicide results in MW-37_25_03 and MW-101A_25_03 since the extraction holding time for herbicides was only slightly exceeded (i.e., <1-4 hours). Resampling is not recommended since MW-37 and MW-101A are background monitoring wells and background monitoring for herbicides is not required for compliance with the project requirements.	No qualifiers assigned, resampling not recommended
Blanks Confirm no detections in laboratory method blanks, field blanks, and trip blanks.	Table 3 presents analytes detected in the method, field, and trip blanks. No detections were found in the method and trip blanks. Qualifiers are assigned in Table 9. 310-302812-1 Lead was detected in the field blank (FB-1_25_03) at a concentration of 0.000638 milligrams per liter (mg/L). In accordance with the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (USEPA, 2020a) for ICP-MS metals, when the blank concentration is > the practical quantitation limit (PQL), associated non-detect sample results are not qualified, the J-flagged results are qualified U and reported at the PQL, and results ≥PQL and < 10x the blank concentration are qualified J+ and reported at the blank result or rejected. Professional judgement was used to reject the lead results for MW-33, MW-38, and MW-101B since the results were likely grossly biased high and	Qualifiers assigned

Validation Task and Description	Review Notes	Action
Blanks Continued	not representative. MW-33 has mostly low-level lead detections and lead has not been detected in MW-33 since 2021, and MW-38 and MW-101B have not had lead detections since 2014. Resampling is recommended for MW-33 since downgradient monitoring for lead is required for compliance with the project requirements. Resampling is not recommended for MW-38 and MW-101B since they are background wells and background monitoring for lead is not required for compliance with the project requirements.	See above
Surrogates or Deuterated Monitoring Compounds For *organic analyses only*, confirm surrogates analyzed and surrogate recovery within QC limits.	Table 4 presents the surrogate recoveries that were outside the control limits. Qualifiers are assigned in Table 9. <u>310-302812-1</u> The DCB Decachlorobiphenyl (DCB) surrogate recoveries for MW-12_25_03, MW-37_25_03, and MW-101A_25_03 were above the upper acceptance limit, indicating high bias for pesticides in these samples. In accordance with the *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, 2020b) for pesticides, when surrogate recovery is above the recovery limit and below the expanded upper acceptance limit, non-detect pesticides in the samples are not qualified. The 2,4-Dichlorophenylacetic acid (DCAA) surrogate recoveries for MW-13_25_03 and MW-32_25_03 were below the lower acceptance limit, indicating low bias for herbicides in these samples. In accordance with the *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, 2020b) for herbicides, when the surrogate recovery is below the lower acceptance limit and above the expanded lower acceptance limit, non-detects are qualified UJ. <u>310-302980-1</u> Surrogate recoveries were within control limits for this SDG.	No qualifiers assigned Qualifiers assigned Not applicable
Matrix Spike/Matrix Spike Duplicates (MS/MSD) Confirm, for Organic analytes, MSD relative percent difference (RPD) within limits. For inorganic analytes, lab replicate RPD within limits.	MS/MSD quality control samples are not required for this project. As a result, no MS/MSD samples were collected or submitted for analysis. Where analyzed and reported by the laboratory, MS/MSD results associated with the samples in 310-302812-1 and 310-302980-1 are reviewed under Stage 2A validation guidelines. Table 5 is intended to present the MS/MSD recoveries and RPDs that were outside the control limits. MS/MSD recoveries were within control limits and MS/MSD RPDs were below control limits for these SDGs.	Not applicable
Laboratory Control Sample/Laboratory Control Sample Duplicates (LCS/LCSDs) Confirm LCS analyzed and LCS/LCSD recovery and RPD within lab specified limits.	LCS/LCSD quality control samples are not required for this project. Where analyzed and reported by the laboratory, LCS/LCSD results associated with method batches in 310-302812-1 and 310-302980-1 are reviewed under Stage 2A validation guidelines. Table 6 is intended to present the LCS/LCSD recoveries and RPDs that were outside the control limits. LCS/LCSD recoveries were	Not applicable

Validation Task and Description	Review Notes	Action
LCS/LCSDs Continued	within control limits and LCS/LCSD RPDs were below control limits for these SDGs.	See above
Laboratory Duplicates Confirm lab duplicates analyzed and RPD within lab specified limits.	Laboratory duplicate quality control samples are not required for this project. Where analyzed and reported by the laboratory, laboratory duplicate results associated with the samples in 310-302812-1 and 310-302980-1 are reviewed under Stage 2A validation guidelines. Table 7 is intended to present the lab duplicate sample RPDs that were outside the RPD limits. Lab duplicate RPDs were within control limits for these SDGs.	Not applicable
Field Duplicates Confirm field duplicates collected at required frequency and field duplicate RPD within acceptable limits.	Field duplicate samples were collected at a 1 per 10 frequency in accordance with the project requirements. Table 8 contains the precision evaluation of the parent/field duplicate samples. The RPDs between the investigative and field duplicate samples were within the duplicate sample validation criteria.	Not applicable

Abbreviations:
> = greater than
≤ = less than or equal to
CCV = continuing calibration verification
COC = chain of custody
DCB = DCB Decachlorobiphenyl
DCPAA = 2,4-Dichlorophenylacetic acid
EDD = electronic data deliverable
HMSP = Hydrologic Monitoring System Plan
ICP-MS = inductively coupled plasma mass spectrometry
LCS = laboratory control sample
LCSD = laboratory control sample duplicate
Milligrams per liter = mg/L
MS = matrix spike
MSD = matrix spike duplicate
PQL = Practical Quantitation Limit
QA = quality assurance
QC = quality control
RPD = relative percent difference
SCUR = sample condition upon receipt
SDG = sample delivery group
SVOC = semivolatile organic compound
USEPA = United States Environmental Protection Agency
USGS = United States Geological Survey
VOC = volatile organic compound

Overall Assessment of Data

Item	Acceptable		Comments
	Yes	No	
1. Method Criteria	X		Samples were collected, preserved, shipped/delivered, and analyzed within the method protocols.
2. Precision	X		Field precision was evaluated through investigative and field duplicate RPDs. The RPDs between the investigative and field duplicate samples were within the duplicate sample validation criteria. Laboratory precision was evaluated through MS/MSD, LCS/LCSD, and laboratory duplicate RPDs. Where analyzed and reported by the laboratory, MS/MSD, LCS/LCSD, and laboratory duplicate RPDs were within control limits.
3. Accuracy	X		Accuracy was evaluated through surrogate, MS/MSD, and LCS/LCSD recovery. With the exceptions below, the percent recoveries for surrogate samples were within control limits. Where analyzed and reported by the laboratory, MS/MSD and LCS/LCSD percent recoveries were within control limits. As listed in Table 4, the surrogate recovery for DCPAA associated with MW-13_25_03 and MW-32_25_03 were above the recovery limit (34%-142%). In accordance with the *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, 2020a) for herbicides, when the surrogate recovery is below the lower acceptance limit and above the expanded lower acceptance limit, non-detects are qualified UJ.
4. Representativeness	X		Sampling was conducted in accordance with the sample collection procedures described in the approved HMSP, approved HMSP revisions, and SOPs.
5. Comparability	X		Collection techniques, measurement procedures, methods, and reporting were equivalent to currently approved procedures and are comparable to historical data.
6. Completeness	X		Valid analytical results exceeded 90%.
7. Suitability for Intended Use	X		No evidence of gross contamination or significant issues with the method criteria, precision, accuracy, representativeness, comparability, or completeness were identified.

Overall, the data reported are of good quality and the results for the QA/QC measurements that were used by the laboratories during the analysis of the samples were generally acceptable. Some sample results required qualification during data validation because method-specific QA/QC criteria were not met; results may be qualified for more than one reason. Qualified data are usable (unless qualified as rejected [R]), represent data of good quality and reasonable confidence, and have an acceptable degree of uncertainty (i.e., may be less precise or less accurate than unqualified data). Table 2 provides a definition of the qualifiers that may be assigned by the validator and/or retained from the laboratory. A summary of the validation qualifiers is provided below.

- No results were qualified as biased low (assigned as J- qualifiers), estimated (assigned as J qualifiers), biased high(assigned as J+), non-detect with the reporting limit an estimated value (assigned UJ+, or UJ- qualifiers), or presumptive evidence of presence of an analyte (assigned as N or NJ qualifiers).

- Two results (0.019%) were qualified as non-detect with the reporting limit an estimated value (assigned UJ).
- Two results (0.19%) were qualified as non-detect at a concentration less than the reporting limit (assigned as U).
- Three results (0.29%) were not usable and rejected (assigned as R).
- 99.7% of the reported data is usable for project data quality objectives.

Attachment 1

Tables

Table 1
Sample IDs Reviewed

Project Sample ID	Analyzed Lab Sample ID	Project Sample ID Matches Lab Client Sample ID	Lab Sample Date/Time Match COC/Logbook	Parameters and Analytical Methods Match COC	Within Hold Times	Sample Type
MW-12_25_03	310-302812-1	Yes	Yes	Yes	Yes	Normal
MW-13_25_03	310-302812-2	Yes	Yes	Yes	Yes	Normal
MW-14_25_03	310-302812-3	Yes	Yes	Yes	Yes	Normal
MW-32_25_03	310-302812-4	Yes	Yes	Yes	Yes	Normal
MW-33_25_03	310-302812-5	Yes	Yes	Yes	Yes	Normal
MW-37_25_03	310-302812-6	Yes	Yes	Yes	**No**	Normal
MW-38_25_03	310-302812-7	Yes	Yes	Yes	Yes	Normal
MW-101A_25_03	310-302812-8	Yes	Yes	Yes	**No**	Normal
MW-101B_25_03	310-302812-9	Yes	Yes	Yes	Yes	Normal
MW-109B_25_03	310-302812-10	Yes	**No**	Yes	Yes	Normal
FD-1_25_03	310-302812-11	Yes	**No**	Yes	Yes	FD
FB-1_25_03	310-302812-12	Yes	**No**	Yes	Yes	FB
TB-1_25_03	310-302812-13	Yes	Yes	Yes	Yes	TB
MW-16_25_03	310-302980-1	Yes	Yes	Yes	Yes	Normal
MW-17_25_03	310-302980-2	Yes	Yes	Yes	Yes	Normal
FD-2_25_03	310-302980-3	Yes	Yes	Yes	Yes	FB
TB-3_25_03	310-302980-4	**No**	Yes	Yes	Yes	TB

Notes:
FB = field blank
FD = field duplicate
TB = trip blank

Table 2
Explanation of Qualifiers

Qualifier	Explanation
U	The analyte was analyzed for and was not detected above the numerical quantitation limit.
J	The analyte was analyzed for and was positively identified, but the analytical result (i.e., quantitation) is an estimated value. In some cases it is recognized that the estimated value is biased high (J+) suggesting the actual value is lower than estimated; or biased low (J-) suggesting the actual value is higher than estimated.
UJ	The analyte was analyzed for and was not detected above the reporting limit, but the reporting limit is an estimated value.
R	The analyte was analyzed for but may or may not be present and/or quantifiable due to quality control issues. The analytical result is not usable and should be rejected.
N	The analysis indicates presumptive evidence of the presence of the analyte.
NJ	The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.

Notes:
Results qualified as "J" or "UJ" are of acceptable data quality and may be used quantitatively per United States Environmental Protection Agency guidelines.

Table 3
Method, Field, and Trip Blank Exceedances

Lab Report	Blank Type	Lab Sample ID	Analysis Batch	Prep Batch	Parameter	Result	Units	Lab Qualifier	MDL	PQL	Associated Samples
310-302812-12	Field	FB-1_25_03	450798	450100	Lead	0.000638	mg/L	N/A	0.000330	0.000500	MW-12_25_03, MW-13_25_03, MW-14_25_03, MW-32_25_03, MW-33_25_03, MW-37_25_03, MW-38_25_03, MW-101B_25_03, MW-109B_25_03, FD-1_25_03

Notes:
FB = field blank
FD = field duplicate
MDL = minimum detection limit
mg/L = milligrams per liter
N/A = not applicable
PQL = practical quantitation limit

Table 4
Surrogate Recovery Exceedances

Lab Sample ID	Parent Sample	Parameter	Surrogate % Recovery	% Recovery Limits	
310-302812-1	MW-12_25_03	DCB Decachlorobiphenyl	155	10	136
310-302812-6	MW-37_25_03	DCB Decachlorobiphenyl	178	10	136
310-302812-8	MW-101A_25_03	DCB Decachlorobiphenyl	178	10	136
310-302812-2	MW-13_25_03	2,4-Dichlorophenylacetic acid	17 / 17	34	142
310-302812-4	MW-32_25_03	2,4-Dichlorophenylacetic acid	14 / 15	34	142

Notes:
% = percent

Table 5
Matrix Spike - Matrix Spike Duplicate Exceedances

Lab Sample ID	Parent Sample	Parameter	MS % Recovery	MSD % Recovery	% Recovery Limits	RPD	RPD Limit
MS/MSD recoveries were within control limits for these SDGs.							

Notes:
% = percent
MS = matrix spike
MSD = matrix spike duplicate
RPD = relative percent difference

Table 6
Laboratory Control Sample and Laboratory Control Sample Duplicate Exceedances

Lab Sample ID	Associated SDG Batch	Parameter	LCS % Recovery	LCSD % Recovery	% Recovery Limits	RPD	RPD Limit
LCS/LCSD recoveries were within control limits for these SDGs.							

Notes:
% = percent
LCS = laboratory control sample
LSCD = laboratory control sample duplicate
RPD = relative percent difference
SDG = sample delivery group

Table 7
Laboratory Duplicate Sample Exceedances

Lab Sample ID	Client Sample ID	Parameter	RPD	RPD Limit
Lab duplicate sample RPDs were within the RPD limits for these SDGs.				

Notes:
RPD = relative percent difference

Table 8
Relative Percent Difference (RPD) Analysis for Field Duplicate Samples
Appendix I Constituents & TSS

RPD = $\dfrac{\text{absolute value (a - b)}}{\text{(a + b)/2}} \times 100\%$

Acceptance Criteria*: 35%

* Unless otherwise noted in project planning documents, the acceptance criteria for field duplicates RPD is as follows:
- For analytes with concentrations greater than 5x (2x for soil matrices) the reporting limit, the RPD should be within 35% for water matrices (50% for soil matrices).
- For analytes with either or both concentrations less than 5x (2x for soil matrices) the reporting limit (indicated below by "low-level"), the absolute difference between the sample and field duplicate should not exceed 5x the reporting limit.

Duplicate Result Analysis:

Parameter	Unit	Parent	Duplicate Sample	RPD	Acceptable?
		MW-33_25_03	**FD-1_25_03**		
Chlorobenzene	ug/L	5.62	5.56	1.1%	Yes
1,4-Dichlorobenzene	ug/L	1.03	J 0.984	low-level	Yes
Arsenic	mg/L	0.0456	0.0452	0.9%	Yes
Barium	mg/L	0.615	0.616	0.2%	Yes
Cobalt	mg/L	0.00130	0.00132	low-level	Yes
Nickel	mg/L	0.00696	0.00689	low-level	Yes
Total Suspended Solids	mg/L	14.8	12.0	low-level	Yes
		MW-17_25_03	**FD-2_25_03**		
Antimony	mg/L	< 0.00100	J 0.00151	low-level	Yes
Arsenic	mg/L	0.0532	0.0547	2.8%	Yes
Barium	mg/L	0.103	0.105	1.9%	Yes
Cobalt	mg/L	0.00720	0.00760	5.4%	Yes
Nickel	mg/L	0.0105	0.0110	low-level	Yes
Thallium	mg/L	J 0.000570	J 0.000693	low-level	Yes
Total Suspended Solids	mg/L	68.0	64.5	low-level	Yes

Table 9
Qualified Results from Data Validation

Sample ID	Lab Sample ID	Method	Parameter	Result	Lab Qualifier	Units	Qualified Result	Validator Qualifier	Explanation
MW-12_25_03	310-302812-1	USEPA 6020B	Lead	0.000409	J	mg/L	<0.000500	U	FB detection >MDL and <PQL; qualified U and reported at PQL since result is >MDL and <PQL.
MW-32_25_03	310-302812-4	USEPA 6020B	Lead	0.000461	J	mg/L	<0.000500	U	FB detection >MDL and <PQL; qualified U and reported at PQL since result is >MDL and <PQL.
MW-33_25_03	310-302812-5	USEPA 6020B	Lead	0.000755		mg/L	0.0005	R	FB detection >MDL and <PQL; qualified R since result is >PQL and <10xBlank.
MW-38_25_03	310-302812-7	USEPA 6020B	Lead	0.000525		mg/L	0.0005	R	FB detection >MDL and <PQL; qualified R since result is >PQL and <10xBlank.
MW-101B_25_03	310-302812-9	USEPA 6020B	Lead	0.000672		mg/L	0.0005	R	FB detection >MDL and <PQL; qualified R since result is >PQL and <10xBlank.
MW-13_25_03	310-302812-2	USEPA 8151A	Silvex (2,4,5-TP)	<0.0234	U	ug/L	<0.0234	UJ	DCPAA surrogate recovery was <specified lower acceptance limit and ≥expanded lower acceptance limit (10%). Qualified UJ since result is <MDL.
MW-32_25_03	310-302812-4	USEPA 8151A	Silvex (2,4,5-TP)	<0.0237	U	ug/L	<0.0237	UJ	DCPAA surrogate recovery was <specified lower acceptance limit and ≥expanded lower acceptance limit (10%). Qualified UJ since result is <MDL.

Notes:
This table only lists validator qualified data. Not all laboratory qualified data are listed; only the laboratory qualified data that was validator qualified are included.
> = greater than
< = less than
DCPAA = 2,4-Dichlorophenylacetic acid
FB = field blank
MDL = minimum detection limit
mg/L = milligrams per liter
PQL = practical quantitation limit
ug/L = micrograms per liter
USEPA = United States Environmental Protection Agency

Attachment 2

References

References

Howard R. Green Company (HRG), 2006. *Landfill Permit Application, Cedar Rapids/Linn County Solid Waste Agency, Waste Management Site 1, Appendix 4: Hydrologic Monitoring*

United States Environmental Protection Agency (USEPA), 2020a. *National Functional Guidelines for Inorganic Superfund Methods Data Review.* EPA-542-R-20-006. Office of Superfund Remediation and Technology Innovation, Washington, D.C. Revised November 2020.

USEPA, 2020b. *National Functional Guidelines for Organic Superfund Methods Data Review.* EPA-540-R-20-005. Office of Superfund Remediation and Technology Innovation, Washington, D.C. Revised November 2020.

June 2025 Sampling Event

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-33	Weather:	Partly cloudy, 77°F, WNW wind @ 5-10 mph, 29.9" Hg
Date:	6/27/2025	Personnel:	O.A. Technical Services: Randy Gavin

Monitoring Well Details

Borehole diameter (in):	8.86	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	746.36
Top of screen (ft. MSL):	670.39	Materials:	PVC	Top of Casing elevation (ft. MSL):	749.92
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	43.70	43.70	43.70
Water elevation (ft. MSL):	706.22	706.22	706.22

3 Well Volumes (gal): 19.97 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	84.53	84.70	0.17

Well conditions commentary: Well conditions are inspected annually - scheduled for Fall 2025 event.

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	670.92	Flow Rate (mL/min):	200	Volume removed (gal):	3.0
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	1.25
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-33_25_06	USEPA 6020A - Total Lead	(1) Plastic 250 mL - HNO3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	15:22	15:25	15:28
Temp (°C)	20.14	20.13	20.10
Sp. Cond (umhos/cm)	1406.8	1436.2	1422.8
pH	7.64	7.66	7.68
DO (mg/l)	10.20	10.23	10.19
ORP (mV)	-32.3	-34.4	-38.0
Turbidity (NTU)	10.55	10.42	10.66

Comments:

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Gina Wilming
Foth Infrastructure & Environment, LLC
411 6th Avenue SE
Suite 400
Cedar Rapids, Iowa 52401

Generated 7/3/2025 10:24:10 AM

JOB DESCRIPTION

CRLCSWA

JOB NUMBER

310-309833-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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Authorization

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Job ID: 310-309833-1 Eurofins Cedar Falls

Job Narrative
310-309833-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 6/27/2025 5:05 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA

Job ID: 310-309833-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-309833-1	MW-33_25_06	Water	06/24/25 15:30	06/27/25 17:05

Detection Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-309833-1
Project/Site: CRLCSWA

Client Sample ID: MW-33_25_06
Lab Sample ID: 310-309833-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	10.3		3.8		mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-309833-1
Project/Site: CRLCSWA

Client Sample ID: MW-33_25_06
Lab Sample ID: 310-309833-1
Date Collected: 06/24/25 15:30
Matrix: Water
Date Received: 06/27/25 17:05

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.000500		0.000500		mg/L		07/02/25 09:00	07/02/25 19:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	10.3		3.8		mg/L			06/30/25 16:08	1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA

Job ID: 310-309833-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-459327/1-A
Matrix: Water
Analysis Batch: 459502

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 459327

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.000500		0.000500		mg/L		07/02/25 09:00	07/02/25 19:06	1

Lab Sample ID: LCS 310-459327/2-A
Matrix: Water
Analysis Batch: 459502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 459327

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.200	0.1926		mg/L		96	80 - 120

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-459220/1
Matrix: Water
Analysis Batch: 459220

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.0		5.0		mg/L			06/30/25 16:08	1

Lab Sample ID: LCS 310-459220/2
Matrix: Water
Analysis Batch: 459220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	106.0		mg/L		106	82 - 117

QC Association Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-309833-1
Project/Site: CRLCSWA

Metals

Prep Batch: 459327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-309833-1	MW-33_25_06	Total/NA	Water	3005A	
MB 310-459327/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-459327/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 459502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-309833-1	MW-33_25_06	Total/NA	Water	6020B	459327
MB 310-459327/1-A	Method Blank	Total/NA	Water	6020B	459327
LCS 310-459327/2-A	Lab Control Sample	Total/NA	Water	6020B	459327

General Chemistry

Analysis Batch: 459220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-309833-1	MW-33_25_06	Total/NA	Water	I-3765-85	
MB 310-459220/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-459220/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-309833-1
Project/Site: CRLCSWA

Client Sample ID: MW-33_25_06
Lab Sample ID: 310-309833-1
Date Collected: 06/24/25 15:30
Matrix: Water
Date Received: 06/27/25 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			459327	RLT9	EET CF	07/02/25 09:00
Total/NA	Analysis	6020B		1	459502	NFT2	EET CF	07/02/25 19:32
Total/NA	Analysis	I-3765-85		1	459220	E6KR	EET CF	06/30/25 16:08

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

Accreditation/Certification Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-309833-1
Project/Site: CRLCSWA

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

Method Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-309833-1
Project/Site: CRLCSWA

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

eurofins | Environment Testing America

310-309833 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Futh

City/State: CITY: CR | STATE: IA | Project:

Receipt Information

Date/Time Received: DATE: 6-27-25 | TIME: 1705 | Received By: PT

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes* Cooler ID.

Multiple Coolers? ☐ Yes ☒ No *If yes.* Cooler # _____ of _____

Cooler Custody Seals Present? ☒ Yes ☐ No *If yes* Cooler custody seals intact? ☒ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes.* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other. _____ ☐ NONE

Thermometer ID: AH | Correction Factor (°C): 0

• **Temp Blank Temperature** – *If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature*

Uncorrected Temp (°C): 1.5 | Corrected Temp (°C): 1.5

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C)		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes.* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 1 of 1

COC Number: 1-3865545471-061625-249831

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 24C034.00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1 - Spring 2025 Event	Regulatory Agency: Iowa DNR	Sampling Team Members:
hannah.dubbs@foth.com	Task #: 24C034_25_06	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: Lead, Total	TSS	Filtered (Y/N)	REMARKS / Lab ID
							N	N	N	N	N	N	N					
1	MW-33_25_06	MW-33	WG	G	6/29/25	15:30									X	X		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
						6/29/25	15:30		6-29-25	1700

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: RANDY GAUN

SIGNATURE of SAMPLER

DATE Signed.

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7/3/2025

Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-309833-1

Login Number: 309833

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Hirsch, Preston

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Data Validation Report

Project Name:	CRLCSWA Site 1 – Cedar Rapids, IA (24C034.00)
Task Name:	24C034_25_06
Data Set Description:	MW-33 Resample Event
Laboratory(s):	Eurofins – Cedar Falls, IA
Laboratory Sample Delivery Group (SDG) ID(s):	310-309833-1
Sample Collection Dates:	6/27/2025
Sample Analysis Dates:	6/30/2025 – 7/2/2025
Sample Matrices:	Groundwater
Sample IDs Reviewed:	See Table 1
Verification and Validation Stage, 100% data:	☐ 1 ☒ 2A ☐ 2B ☐ 3 ☐ 4
Verified and Validated By:	Gina Wilming, Senior Project Manager 7/14/2025

The analytical data were validated to verify that laboratory quality assurance and quality control (QA/QC) procedures were documented and to evaluate the overall quality of the data reported. The analytical report included 1 investigative groundwater sample collected via low-flow sampling techniques at the Cedar Rapids Linn County Solid Waste Agency (CRLCSWA) Site 1 on June 27, 2025; the sample is listed in Table 1. The data were collected in accordance with the *Hydrologic Monitoring System Plan* (HRG, 2006), Iowa Department of Natural Resources (IDNR) Sanitary Disposal Closure Permit Number 57-SDP-03-75C (including Amendments), and 567 Iowa Administrative Code (IAC) 113.10.

Validation Summary

Stage 2A data validation was performed on 100% of the data from this SDG, with review tasks and items of note documented in the summary table below.

Validation Task and Description	Review Notes	Action
Chain of Custody (COC) and Sample Receipt Form Confirm relinquish & receipt signatures. Confirm parameters and analytical methods match COC and Hydrologic Monitoring System Plan (HMSP).	All appropriate relinquish and receipt signatures were present. Parameters and analytical methods analyzed match the COC and current sampling program. For MW-33_25_06, the laboratory reported the sample date as 6/24/2025 in laboratory report 310-309833-1; however, the sample was taken on 6/27/2025. A revised laboratory report was not requested. The sample date for MW-33_25_06 will be updated on the lab electronic data deliverable (EDD) prior to upload.	MW-33_25_06 sample date will be updated in the lab EDD prior to data upload.
Case Narrative Review for items noted by the laboratory that may impact the validation process.	No quality control issues were noted in the case narrative.	Not applicable

Validation Task and Description	Review Notes	Action
Sample Condition Upon Receipt (SCUR) Confirm samples in acceptable condition and no discrepancies noted. Confirm preservation meets method requirements.	Samples were received by Eurofins – Cedar Falls, IA in acceptable conditions.	Not applicable
Methods Requested Confirm methods match project requirements and lab provided all methods ordered.	The methods ordered and analyzed were performed in accordance with the project requirements. Methods include United States Environmental Protection Agency (USEPA) 6020B Total Metals, and United States Geological Survey (USGS) I-3765-85 Total Suspended Solids.	Not applicable
Analytes Requested Confirm analytes ordered match project requirements and lab provided all analytes ordered.	The analytes requested were analyzed in accordance with the project requirements. The laboratory provided all analytes ordered.	Not applicable
Holding Times Confirm laboratory performed extractions and analyses within method-required holding times.	Eurofins performed analysis within the method-required holding times.	Not applicable
Blanks Confirm no detections in laboratory method blanks, field blanks, and trip blanks.	The sampling event was limited to resampling for lead and TSS at MW-33. Project requirements do not require a field blank for resampling events. A trip blank was not applicable since volatile organic compounds were not analyzed. Table 3 is intended to present the analytes detected in the method blanks. No detections were found in the method blanks.	Not applicable
Surrogates or Deuterated Monitoring Compounds For *organic analyses only*, confirm surrogates analyzed and surrogate recovery within QC limits.	Table 4 is intended to present the surrogate recoveries that were outside the control limits. Surrogates are not analyzed for the methods reported in this SDG.	Not applicable
Matrix Spike/Matrix Spike Duplicates (MS/MSD) Confirm, for Organic analytes, MSD relative percent difference (RPD) within limits. For inorganic analytes, lab replicate RPD within limits.	MS/MSD quality control samples are not required for this project. As a result, no MS/MSD samples were collected or submitted for analysis. Where analyzed and reported by the laboratory, MS/MSD results associated with the samples in 310-309833-1 are reviewed under Stage 2A validation guidelines. Table 5 is intended to present MS/MSD recoveries and RPDs that were outside the control limits. MS/MSD samples were not analyzed for samples in this SDG.	Not applicable

Validation Task and Description	Review Notes	Action
Laboratory Control Sample/Laboratory Control Sample Duplicates (LCS/LCSDs) Confirm LCS analyzed and LCS/LCSD recovery and RPD within lab specified limits.	LCS/LCSD quality control samples are not required for this project. Where analyzed and reported by the laboratory, LCS/LCSD results associated with method batches in 310-309833-1 are reviewed under Stage 2A validation guidelines. Table 6 is intended to present the LCS/LCSD recoveries and RPDs that were outside the control limits. LCS recoveries were within control limits. No LCSD results were analyzed and reported with the LCS samples that were analyzed.	Not applicable
Laboratory Duplicates Confirm lab duplicates analyzed and RPD within lab specified limits.	Laboratory duplicate quality control samples are not required for this project. Where analyzed and reported by the laboratory, laboratory duplicate results associated with the samples in 310-309833-1 are reviewed under Stage 2A validation guidelines. Table 7 is intended to present the laboratory duplicate sample RPDs that were outside the RPD limits. Eurofins did not analyze or report laboratory duplicate results.	Not applicable
Field Duplicates Confirm field duplicates collected at required frequency and field duplicate RPD within acceptable limits.	Table 8 is intended to present the precision evaluation of the parent/field duplicate samples. No field duplicates were submitted for analysis. The sampling event was limited to resampling for lead and TSS at MW-33. Project requirements do not require a field duplicate for resampling events.	Not applicable

Abbreviations:
COC = chain of custody
EDD = electronic data deliverable
HMSP = Hydrologic Monitoring System Plan
LCS = laboratory control sample
LCSD = laboratory control sample duplicate
MS = matrix spike
MSD = matrix spike duplicate
QC = quality control
RPD = relative percent difference
SCUR = sample condition upon receipt
SDG = sample delivery group
USEPA = United States Environmental Protection Agency
USGS = United States Geological Survey

Overall Assessment of Data

Item	Acceptable		Comments
	Yes	No	
1. Method Criteria	X		Samples were collected, preserved, shipped/delivered, and analyzed within the method protocols.
2. Precision	X		Field precision was not evaluated since a field duplicate sample was not collected. The sampling event was limited to resampling for lead and TSS at MW-33. Project requirements do not require a field duplicate for resampling events.

Item	Acceptable		Comments
	Yes	No	
2. Precision Continued			Laboratory precision is evaluated through MS/MSD, LCS/LCSD, and laboratory duplicate RPDs. Eurofins did not analyze or report MS/MSD and laboratory duplicate results. In addition, no LCSD results were reported with the LCS samples that were analyzed; therefore, RPDs were not calculated.
3. Accuracy	X		Accuracy is evaluated through surrogate, MS/MSD, and LCS/LCSD recovery. Surrogates are not analyzed for the methods reported in this SDG. In addition, Eurofins did not analyze or report MS/MSD and LCSD results. Where analyzed and reported by the laboratory, LCS recoveries were within control limits.
4. Representativeness	X		Sampling was conducted in accordance with the sample collection procedures described in the approved HMSP, approved HMSP revisions, and SOPs.
5. Comparability	X		Collection techniques, measurement procedures, methods, and reporting were equivalent to currently approved procedures and are comparable to historical data.
6. Completeness	X		Valid analytical results exceeded 90%.
7. Suitability for Intended Use	X		No evidence of gross contamination or significant issues with the method criteria, precision, accuracy, representativeness, comparability, or completeness were identified.

Overall, the data reported is of good quality and the results for the applicable quality assurance/quality control (QA/QC) measurements that were used by the laboratories during the analysis of the samples were generally acceptable. Table 2 provides a definition of the qualifiers that may be assigned by the validator and/or retained from the laboratory. No sample results were qualified during data validation because method-specific QA/QC criteria were met. 100% of the data is usable for project data quality objectives.

Attachment 1

Tables

Table 1
Sample IDs Reviewed

Project Sample ID	Analyzed Lab Sample ID	Project Sample ID Matches Lab Client Sample ID	Lab Sample Date/Time Match COC/Logbook	Parameters and Analytical Methods Match COC	Within Hold Times	Sample Type
MW-33_25_06	310-309833-1	Yes	**No**	Yes	Yes	Normal

Table 2
Explanation of Qualifiers

Qualifier	Explanation
U	The analyte was analyzed for and was not detected above the numerical quantitation limit.
J	The analyte was analyzed for and was positively identified, but the analytical result (i.e., quantitation) is an estimated value. In some cases it is recognized that the estimated value is biased high (J+) suggesting the actual value is lower than estimated; or biased low (J-) suggesting the actual value is higher than estimated.
UJ	The analyte was analyzed for and was not detected above the reporting limit, but the reporting limit is an estimated value.
R	The analyte was analyzed for but may or may not be present and/or quantifiable due to quality control issues. The analytical result is not usable and should be rejected.
N	The analysis indicates presumptive evidence of the presence of the analyte.
NJ	The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.

Notes:
Results qualified as "J" or "UJ" are of acceptable data quality and may be used quantitatively per United States Environmental Protection Agency guidelines.

Table 3
Method, Field, and Trip Blank Exceedances

Lab Report	Blank Type	Lab Sample ID	Analysis Batch	Prep Batch	Parameter	Result	Units	Lab Qualifier	MDL	PQL	Associated Samples
Project requirements do not require a field blank for resampling events. A trip blank was not applicable since volatile organic compounds were not analyzed. No analytes were detected in the method blanks in this Sample Delivery Group.											

Notes:
MDL = minimum detection limit
PQL = practical quantitation limit

Table 4
Surrogate Recovery Exceedances

Lab Sample ID	Parent Sample	Parameter	Surrogate % Recovery	% Recovery Limits
Surrogates are not analyzed for the methods reported in this SDG.				

Notes:
% = percent

Table 5
Matrix Spike - Matrix Spike Duplicate Exceedances

Lab Sample ID	Parent Sample	Parameter	MS % Recovery	MSD % Recovery	% Recovery Limits	RPD	RPD Limit
MS/MSD samples were not analyzed for the samples this Sample Delivery Group.							

Notes:
% = percent
MS = matrix spike
MSD = matrix spike duplicate
RPD = relative percent difference

Table 6
Laboratory Control Sample and Laboratory Control Sample Duplicate Exceedances

Lab Sample ID	Associated SDG Batch	Parameter	LCS % Recovery	LCSD % Recovery	% Recovery Limits	RPD	RPD Limit
LCS recoveries were within control limits for this Sample Delivery Group and LCSDs were not analyzed.							

Notes:
% = percent
LCS = laboratory control sample
LSCD = laboratory control sample duplicate
RPD = relative percent difference
SDG = sample delivery group

Table 7
Laboratory Duplicate Sample Exceedances

Lab Sample ID	Client Sample ID	Parameter	RPD	RPD Limit
Lab duplicate samples were not analyzed for this Sample Delivery Group.				

Notes:
RPD = relative percent difference

Table 8
Relative Percent Difference (RPD) Analysis for Field Duplicate Samples
Lead & TSS

RPD = $\dfrac{\text{absolute value (a - b)}}{\text{(a + b)/2}} \times 100\%$

Acceptance Criteria*: 35%

* Unless otherwise noted in project planning documents, the acceptance criteria for field duplicates RPD is as follows:
- For analytes with concentrations greater than 5x (2x for soil matrices) the reporting limit, the RPD should be within 35% for water matrices (50% for soil matrices).
- For analytes with either or both concentrations less than 5x (2x for soil matrices) the reporting limit (indicated below by "low-level"), the absolute difference between the sample and field duplicate should not exceed 5x the reporting limit.

Duplicate Result Analysis:

Parameter	Unit	Parent	Duplicate Sample	RPD	Acceptable?
No field duplicate samples were collected.					

Table 9
Qualified Results from Data Validation

Sample ID	Lab Sample ID	Method	Parameter	Result	Lab Qualifier	Units	Qualified Result	Validator Qualifier	Explanation
No qualifiers were assigned to data in this Sample Delivery Group.									

Notes:
This table only lists validator qualified data. Not all laboratory qualified data are listed; only the laboratory qualified data that was validator qualified are included.

Attachment 2

References

References

Howard R. Green Company (HRG), 2006. *Landfill Permit Application, Cedar Rapids/Linn County Solid Waste Agency, Waste Management Site 1, Appendix 4: Hydrologic Monitoring*

United States Environmental Protection Agency (USEPA), 2020a. *National Functional Guidelines for Inorganic Superfund Methods Data Review.* EPA-542-R-20-006. Office of Superfund Remediation and Technology Innovation, Washington, D.C. Revised November 2020.

USEPA, 2020b. *National Functional Guidelines for Organic Superfund Methods Data Review.* EPA-540-R-20-005. Office of Superfund Remediation and Technology Innovation, Washington, D.C. Revised November 2020.

August 2025 Sampling Event

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	AW-1	Weather:	Clear, 79°F, SE wind @ 5-10 mph, 30.0" Hg
Date:	8/14/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	9	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	736.84
Top of screen (ft. MSL):	711.84	Materials:	PVC	Top of Casing elevation (ft. MSL):	739.51
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	30.47	30.54	30.26
Water elevation (ft. MSL):	709.04	708.97	709.25

3 Well Volumes (gal): 8.41 Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	47.67	48.05	0.38

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	696.51	Flow Rate (mL/min):	200	Volume removed (gal):	1.4
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.68
				Color? (Y/N):	Yes*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
AW-1_25_10	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	AW-1	Weather:	Clear, 79°F, SE wind @ 5-10 mph, 30.0" Hg
Date:	8/14/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	13:36	13:38	13:41
Temp (°C)	15.46	15.42	15.45
Sp. Cond (umhos/cm)	1879.8	1880.2	1880.5
pH	7.10	7.11	7.11
DO (mg/l)	5.43	5.22	5.28
ORP (mV)	-23.3	-23.4	-23.5
Turbidity (NTU)	9.99	9.56	9.37

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at AW-1 in Fall 2025.

*Very slight color in sample.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	AW-2	Weather:	Partly Cloudy, 81°F, NW wind 0-5 mph, 30.0" Hg
Date:	8/13/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	9	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	788.60
Top of screen (ft. MSL):	710.60	Materials:	PVC	Top of Casing elevation (ft. MSL):	788.18
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	76.35	76.38	76.58
Water elevation (ft. MSL):	711.83	711.80	711.60

3 Well Volumes (gal): 10.38 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	97.58	97.40	0.18

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	696.18	Flow Rate (mL/min):	200	Volume removed (gal):	1.9
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.68
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
AW-2_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	AW-2	Weather:	Partly Cloudy, 81°F, NW wind 0-5 mph, 30.0" Hg
Date:	8/13/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	15:39	15:42	15:46
Temp (°C)	18.73	18.60	18.48
Sp. Cond (umhos/cm)	906.69	905.39	904.56
pH	7.34	7.36	7.37
DO (mg/l)	0.24	0.23	0.21
ORP (mV)	-81.9	-84.7	-86.1
Turbidity (NTU)	1.52	0.84	0.80

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at AW-2 in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	AW-3	Weather:	Partly cloudy, 82°F, NW wind @ 0-5 mph, 29.9" Hg
Date:	8/13/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	9	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	799.70
Top of screen (ft. MSL):	711.70	Materials:	PVC	Top of Casing elevation (ft. MSL):	799.31
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	89.67	89.72	89.93
Water elevation (ft. MSL):	709.64	709.59	709.38

3 Well Volumes (gal): 8.77 Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	107.61	108.00	0.39

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	694.31	Flow Rate (mL/min):	150	Volume removed (gal):	2.5
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.68
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
AW-3_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	AW-3	Weather:	Partly cloudy, 82°F, NW wind @ 0-5 mph, 29.9" Hg
Date:	8/13/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	18:12	18:17	18:22
Temp (°C)	16.95	19.82	16.84
Sp. Cond (umhos/cm)	632.30	628.52	622.37
pH	7.08	7.11	7.13
DO (mg/l)	3.08	3.02	2.86
ORP (mV)	-42.9	-45.6	-48.5
Turbidity (NTU)	1.22	1.22	1.15

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at AW-3 in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	AW-4	Weather:	Partly cloudy, 82°F, NNW wind @ 5-10 mph, 30.0" Hg
Date:	8/19/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	9	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	723.44
Top of screen (ft. MSL):	712.44	Materials:	PVC	Top of Casing elevation (ft. MSL):	725.76
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	16.45	17.92	18.00
Water elevation (ft. MSL):	709.31	707.84	707.76

3 Well Volumes (gal): 8.25 Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	33.32	33.10	0.22

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

Sampling Details

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

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

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

Equipment depth (ft. MSL:)	697.76	Flow Rate (mL/min):	175	Volume removed (gal):	0.5
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.68
				Color? (Y/N):	Yes*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
AW-4_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	AW-4	Weather:	Partly cloudy, 82°F, NNW wind @ 5-10 mph, 30.0" Hg
Date:	8/19/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	16:14	16:16	16:18
Temp (°C)	22.28	22.31	22.18
Sp. Cond (umhos/cm)	1152.0	1157.0	1157.0
pH	7.14	7.10	7.10
DO (mg/l)	0.43	0.34	0.32
ORP (mV)	1.7	7.1	11.5
Turbidity (NTU)	8.40	8.20	8.50

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at AW-4 in Fall 2025.

*Strong yellow color and effervescence in sample.

Collected field blank (FB-2_25_08) at 16:25.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	AW-5	Weather:	Partly Cloudy, 85°F, NNE wind @ 10-15 mph, 30.0" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	9	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	718.94
Top of screen (ft. MSL):	711.44	Materials:	PVC	Top of Casing elevation (ft. MSL):	721.33
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	14.50	15.29	15.60
Water elevation (ft. MSL):	706.83	706.04	705.73

3 Well Volumes (gal): 7.53 Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	29.89	30.15	0.26

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

Sampling Details

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

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

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

Equipment depth (ft. MSL:)	696.33	Flow Rate (mL/min):	225	Volume removed (gal):	1.3
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.68
				Color? (Y/N):	Yes, slightly*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
AW-5_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	AW-5	Weather:	Partly Cloudy, 85°F, NNE wind @ 10-15 mph, 30.0" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	14:14	14:16	14:18
Temp (°C)	17.43	18.08	18.36
Sp. Cond (umhos/cm)	1877.0	1868.0	1858.0
pH	6.98	6.98	6.98
DO (mg/l)	0.24	0.23	0.23
ORP (mV)	76.0	81.3	84.2
Turbidity (NTU)	189.9	174.4	174.4

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at AW-5 in Fall 2025.

*Slight yellow color

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: AW-6 | Weather: Partly Cloudy, 85°F, NE wind 10-15 mph, 30.0" Hg
Date: 8/20/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 9 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 718.94
Top of screen (ft. MSL): 651.44 | Materials: PVC | Top of Casing elevation (ft. MSL): 721.13
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	15.51	16.37	16.37
Water elevation (ft. MSL):	705.62	704.76	704.76

3 Well Volumes (gal): 31.38 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	79.69	79.55	0.14

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

Sampling Details

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

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

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

Equipment depth (ft. MSL:) 646.13 | Flow Rate (mL/min): 200 | Volume removed (gal): 1.2 | Volume sampled (L): 3.68
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
AW-6_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	AW-6	Weather:	Partly Cloudy, 85°F, NE wind 10-15 mph, 30.0" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	15:35	15:38	15:40
Temp (°C)	18.98	18.73	18.70
Sp. Cond (umhos/cm)	2553.0	2535.0	2537.0
pH	6.70	6.71	6.72
DO (mg/l)	0.21	0.19	0.19
ORP (mV)	143.1	147.7	151.5
Turbidity (NTU)	0.14	0.07	0.00

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at AW-6 in Fall 2025.

Collected field duplicate (FD-4_25_08) at AW-6.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: CRL-9 | Weather: Clear, 77°F, SSE wind @ 5-10 mph, 30.0" Hg
Date: 8/14/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 734.10
Top of screen (ft. MSL): 672.89 | Materials: PVC | Top of Casing elevation (ft. MSL): 736.59
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	28.27	28.40	28.44
Water elevation (ft. MSL):	708.32	708.19	708.15

3 Well Volumes (gal): 22.22 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	73.70	73.65	0.05

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 668.59 | Flow Rate (mL/min): 150 | Volume removed (gal): 0.8 | Volume sampled (L): 3.68
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
CRL-9_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	CRL-9	Weather:	Clear, 77°F, SSE wind @ 5-10 mph, 30.0" Hg
Date:	8/14/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	14:23	14:27	14:31
Temp (°C)	16.51	16.28	16.13
Sp. Cond (umhos/cm)	6879.7	6870.2	6773.5
pH	7.15	7.14	7.14
DO (mg/l)	0.38	0.32	0.31
ORP (mV)	-36.3	-40.1	-42.4
Turbidity (NTU)	1.30	2.30	1.78

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at CRL-9 in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-11	Weather:	Partly Cloudy, 81°F, NNE wind @ 5-10 mph, 30.0" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	742.00
Top of screen (ft. MSL):	678.44	Materials:	PVC	Top of Casing elevation (ft. MSL):	745.62
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	37.61	37.56	38.37
Water elevation (ft. MSL):	708.01	708.06	707.25

3 Well Volumes (gal): 16.90 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	72.18	72.55	0.37

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	680.62	Flow Rate (mL/min):	200	Volume removed (gal):	0.8
Well dry? (Y/N):	No	Odor? (Y/N):	No	Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-11_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-11	Weather:	Partly Cloudy, 81°F, NNE wind @ 5-10 mph, 30.0" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	11:26	11:29	11:31
Temp (°C)	18.82	18.96	18.88
Sp. Cond (umhos/cm)	1588.5	1606.0	1616.4
pH	7.10	7.11	7.12
DO (mg/l)	0.37	0.28	0.23
ORP (mV)	42.6	47.7	52
Turbidity (NTU)	1.62	1.50	3.49

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-11 in Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-12 | Weather: Partly Cloudy, 78°F,NNE wind @ 5-10 mph, 30.1" Hg
Date: 8/20/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 742.11
Top of screen (ft. MSL): 708.84 | Materials: PVC | Top of Casing elevation (ft. MSL): 745.37
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	37.27	37.22	37.21
Water elevation (ft. MSL):	708.10	708.15	708.16

3 Well Volumes (gal): 4.53 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	46.53	46.80	0.27

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 702.37 | Flow Rate (mL/min): 200 | Volume removed (gal): 0.7 | Volume sampled (L): 3.68
Well dry? (Y/N): No | Odor? (Y/N): Yes, slight | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-12_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-12	Weather:	Partly Cloudy, 78°F,NNE wind @ 5-10 mph, 30.1" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	10:15	10:17	10:20
Temp (°C)	18.23	18.70	18.34
Sp. Cond (umhos/cm)	3445.6	3442.8	3438.1
pH	6.6	6.62	6.62
DO (mg/l)	0.18	0.15	0.13
ORP (mV)	2.9	1.3	0.3
Turbidity (NTU)	0.29	0.24	0.29

Comments: Collected field duplicate (FD-3_25_08) at MW-12.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-13	Weather:	Clear, 75°F, ESE wind 0-5 mph, 30.0" Hg
Date:	8/14/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	737.34
Top of screen (ft. MSL):	714.16	Materials:	PVC	Top of Casing elevation (ft. MSL):	740.99
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	32.71	32.70	33.48
Water elevation (ft. MSL):	708.28	708.29	707.51

3 Well Volumes (gal): 4.46 Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	41.83	42.10	0.27

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	700.99	Flow Rate (mL/min):	200	Volume removed (gal):	1.2
Well dry? (Y/N):	No	Odor? (Y/N):	Yes*	Volume sampled (L):	3.68
				Color? (Y/N):	Yes*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-13_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-13	Weather:	Clear, 75°F, ESE wind 0-5 mph, 30.0" Hg
Date:	8/14/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	9:57	9:59	10:02
Temp (°C)	17.50	17.28	17.43
Sp. Cond (umhos/cm)	2556.8	2554.4	2526.4
pH	6.77	6.77	6.78
DO (mg/l)	0.07	0.06	0.06
ORP (mV)	-83.0	-83.0	-83.2
Turbidity (NTU)	4.97	4.34	4.72

Comments: *Slight odor, color, effervescence, and suspended solids.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-14	Weather:	Partly cloudy, 78°F, SE wind 0-5 mph, 30.0" Hg
Date:	8/14/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	737.42
Top of screen (ft. MSL):	679.13	Materials:	PVC	Top of Casing elevation (ft. MSL):	740.93
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	32.63	32.79	35.15
Water elevation (ft. MSL):	708.30	708.14	705.78

3 Well Volumes (gal): 16.71 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	66.80	67.10	0.30

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	678.93	Flow Rate (mL/min):	150	Volume removed (gal):	1.1
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.68
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-14_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-14	Weather:	Partly cloudy, 78°F, SE wind 0-5 mph, 30.0" Hg
Date:	8/14/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	10:50	10:54	10:58
Temp (°C)	20.40	20.08	20.30
Sp. Cond (umhos/cm)	2442.3	2443.4	2439.0
pH	6.69	6.71	6.72
DO (mg/l)	0.18	0.16	0.14
ORP (mV)	-69.8	-70.4	-70.7
Turbidity (NTU)	5.48	5.08	5.35

Comments: Collected field duplicate (FD-1_25_08) at MW-14

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-15	Weather:	Clear, 79°F, SSE wind 5-10 mph, 30.0" Hg
Date:	8/15/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	735.19
Top of screen (ft. MSL):	673.59	Materials:	PVC	Top of Casing elevation (ft. MSL):	737.99
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	29.23	29.03	30.56
Water elevation (ft. MSL):	708.76	708.96	707.43

3 Well Volumes (gal): 19.64 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	69.40	69.60	0.20

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	672.99	Flow Rate (mL/min):	200	Volume removed (gal):	1.3
Well dry? (Y/N):	No	Odor? (Y/N):	No	Color? (Y/N):	No

Volume sampled (L):	3.68

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-15_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-15	Weather:	Clear, 79°F, SSE wind 5-10 mph, 30.0" Hg
Date:	8/15/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	9:23	9:26	9:29
Temp (°C)	16.55	16.56	16.61
Sp. Cond (umhos/cm)	2220.6	2253.5	2231
pH	6.88	6.88	6.88
DO (mg/l)	0.20	0.18	0.16
ORP (mV)	52.4	51.7	51.8
Turbidity (NTU)	0.09	0.29	0.07

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-15 in Fall 2025.

Collected field blank (FB-1_25_08) at 9:30.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-16 | Weather: Clear, 79°F, SSE wind 5-10 mph, 30.0" Hg
Date: 8/15/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 734.81
Top of screen (ft. MSL): 711.67 | Materials: PVC | Top of Casing elevation (ft. MSL): 737.92
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	29.16	29.00	29.38
Water elevation (ft. MSL):	708.76	708.92	708.54

3 Well Volumes (gal): 5.91 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	41.25	41.45	0.20

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 699.92 | Flow Rate (mL/min): 200 | Volume removed (gal): 0.6 | Volume sampled (L): 3.68
Well dry? (Y/N): No | Odor? (Y/N): Yes, slight* | Color? (Y/N): Yes, slight*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-16_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-16	Weather:	Clear, 79°F, SSE wind 5-10 mph, 30.0" Hg
Date:	8/15/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	10:06	10:08	10:10
Temp (°C)	17.52	17.78	17.63
Sp. Cond (umhos/cm)	1972.0	1979.4	1976.7
pH	6.81	6.82	6.82
DO (mg/l)	0.19	0.17	0.15
ORP (mV)	-36.1	-39.1	-41.2
Turbidity (NTU)	2.81	1.24	0.56

Comments:

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-17	Weather:	Clear, 76°F, N wind 5-10 mph, 30.1" Hg
Date:	8/19/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	734.80
Top of screen (ft. MSL):	709.99	Materials:	PVC	Top of Casing elevation (ft. MSL):	736.68
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	25.09	23.18	23.51
Water elevation (ft. MSL):	711.59	713.50	713.17

3 Well Volumes (gal): 5.67 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	36.69	36.90	0.21

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	703.18	Flow Rate (mL/min):	200	Volume removed (gal):	1.1
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.68
				Color? (Y/N):	Yes*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-17_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-17	Weather:	Clear, 76°F, N wind 5-10 mph, 30.1" Hg
Date:	8/19/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading:
Time	10:27	10:29	10:31
Temp (°C)	14.97	14.92	15.01
Sp. Cond (umhos/cm)	2606.2	2608.4	2614.4
pH	7.21	7.22	7.22
DO (mg/l)	5.85	6.00	6.22
ORP (mV)	-30.9	-30.4	-30.1
Turbidity (NTU)	29.56	32.10	32.13

Comments: *Very slight color and suspended solids in sample.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-18	Weather:	Overcast, 73°F, N wind 5-10 mph, 30.1" Hg
Date:	8/19/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	734.40
Top of screen (ft. MSL):	676.53	Materials:	PVC	Top of Casing elevation (ft. MSL):	736.28
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	24.80	23.78	24.91
Water elevation (ft. MSL):	711.48	712.50	711.37

3 Well Volumes (gal): 19.54 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	64.75	65.15	0.40

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	676.28	Flow Rate (mL/min):	200	Volume removed (gal):	1.3
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.68
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-18_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-18	Weather:	Overcast, 73°F, N wind 5-10 mph, 30.1" Hg
Date:	8/19/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	9:38	9:40	9:43
Temp (°C)	14.85	14.78	14.86
Sp. Cond (umhos/cm)	2307.8	2301.0	2206.3
pH	6.91	6.91	6.92
DO (mg/l)	0.12	0.11	0.10
ORP (mV)	58.6	57.3	56.2
Turbidity (NTU)	1.80	3.12	3.43

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-18 in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-19	Weather:	Cloudy, 75°F, N wind 5-10 mph, 30.1" Hg
Date:	8/19/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	721.10
Top of screen (ft. MSL):	680.23	Materials:	PVC	Top of Casing elevation (ft. MSL):	723.01
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	15.29	16.38	16.63
Water elevation (ft. MSL):	707.72	706.63	706.38

3 Well Volumes (gal): 15.89 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	47.78	47.80	0.02

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

Sampling Details

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

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

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

Equipment depth (ft. MSL:)	680.01	Flow Rate (mL/min):	250	Volume removed (gal):	1.1
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.68
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-19_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-19	Weather:	Cloudy, 75°F, N wind 5-10 mph, 30.1" Hg
Date:	8/19/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	10:40	10:42	10:44
Temp (°C)	16.22	16.19	16.05
Sp. Cond (umhos/cm)	2736.0	2735.0	2730.0
pH	6.60	6.59	6.61
DO (mg/l)	0.27	0.25	0.23
ORP (mV)	78.1	82.0	85.7
Turbidity (NTU)	0.00	0.00	0.00

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-19 in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-20	Weather:	Cloudy, 81°F, N wind 5-10 mph, 30.0" Hg
Date:	8/19/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	9	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	721.14
Top of screen (ft. MSL):*	706.73	Materials:	PVC	Top of Casing elevation (ft. MSL)*:	723.48
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	15.81	16.95	17.02
Water elevation (ft. MSL):	707.67	706.53	706.46

3 Well Volumes (gal): 5.35 Screen submerged? (Y/N): Yes

	Constructed*	Measured	Difference
Well Depth (ft. TOC):	26.75	26.50	0.25

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

Sampling Details

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

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

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

Equipment depth (ft. MSL:)	699.98	Flow Rate (mL/min):	225	Volume removed (gal):	1.2
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.68
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-20_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-20	Weather:	Cloudy, 81°F, N wind 5-10 mph, 30.0" Hg
Date:	8/19/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	13:58	14:00	14:02
Temp (°C)	17.25	16.55	16.39
Sp. Cond (umhos/cm)	1291.0	1297.0	1297.0
pH	6.84	6.85	6.85
DO (mg/l)	0.45	0.47	0.46
ORP (mV)	42.0	41.4	35.8
Turbidity (NTU)	5.85	5.58	5.73

Comments: *Well replaced in 2005 - could not find well construction form on DocDNA. TOC and Constructed Well Depth from 2005 AWQR. TOS estimated.

In accordance with Permit Amendment #16, annual monitoring was conducted at MW-20 in Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-21 | Weather: Clear, 78°F, SSE wind 5-10 mph, 30.0" Hg
Date: 8/14/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 9 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 730.62
Top of screen (ft. MSL):* 706.93 | Materials: PVC | Top of Casing elevation (ft. MSL): 732.88
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	24.91	25.11	25.10
Water elevation (ft. MSL):	707.97	707.77	707.78

3 Well Volumes (gal): 5.67 | Screen submerged? (Y/N): Yes

	Constructed*	Measured	Difference
Well Depth (ft. TOC):	36.50	35.90	0.60

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 699.88 | Flow Rate (mL/min): 200 | Volume removed (gal): 1.0 | Volume sampled (L): 3.68
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-21_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-21	Weather:	Clear, 78°F, SSE wind 5-10 mph, 30.0" Hg
Date:	8/14/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	16:06	16:08	16:10
Temp (°C)	15.65	15.60	15.50
Sp. Cond (umhos/cm)	2549.8	2519.5	2493.3
pH	6.90	6.91	6.91
DO (mg/l)	0.26	0.24	0.21
ORP (mV)	138.7	141.0	142.4
Turbidity (NTU)	4.82	3.94	3.64

Comments: *Well replaced in 2005 - could not find well construction form on DocDNA. Constructed Well Depth from 2005 AWQR plus the Spring 2021 casing extension. TOS estimated.

In accordance with Permit Amendment #16, annual monitoring was conducted at MW-21 in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-22	Weather:	Clear, 78°F, SE wind 5-10 mph, 30.0" Hg
Date:	8/14/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	731.05
Top of screen (ft. MSL):	681.27	Materials:	PVC	Top of Casing elevation (ft. MSL):	733.34
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	25.34	25.54	25.59
Water elevation (ft. MSL):	708.00	707.80	707.75

3 Well Volumes (gal): 15.70 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	57.45	57.40	0.05

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	681.34	Flow Rate (mL/min):	250	Volume removed (gal):	0.8
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.68
				Color? (Y/N):	*Yes, slight

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-22_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-22	Weather:	Clear, 78°F, SE wind 5-10 mph, 30.0" Hg
Date:	8/14/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	16:40	16:42	16:44
Temp (°C)	15.26	15.57	15.80
Sp. Cond (umhos/cm)	3093.1	3074.4	3051.2
pH	6.98	6.98	6.98
DO (mg/l)	0.29	0.22	0.18
ORP (mV)	-24.8	-27.3	-28.8
Turbidity (NTU)	0.49	0.28	0.66

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-22 in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-23	Weather:	Clear, 78°F, SSE wind @ 5-10 mph, 30.0" Hg
Date:	8/14/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	734.30
Top of screen (ft. MSL):	712.29	Materials:	PVC	Top of Casing elevation (ft. MSL):	736.74
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	28.41	28.54	29.79
Water elevation (ft. MSL):	708.33	708.20	706.95

3 Well Volumes (gal): 5.40 Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	39.45	39.50	0.05

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	698.74	Flow Rate (mL/min):	200	Volume removed (gal):	0.8
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.68
				Color? (Y/N):	*Yes, slight

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-23_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-23	Weather:	Clear, 78°F, SSE wind @ 5-10 mph, 30.0" Hg
Date:	8/14/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	15:10	15:12	15:14
Temp (°C)	14.49	14.42	14.43
Sp. Cond (umhos/cm)	1530.2	1530.8	1531.3
pH	6.85	6.86	6.87
DO (mg/l)	0.23	0.23	0.24
ORP (mV)	97.4	99.8	102.4
Turbidity (NTU)	0.62	0.37	0.33

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-23 in Fall 2025.

*Slight black suspended solids in sample.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-24 | Weather: Clear, 77°F, S wind 5-10 mph, 30.0" Hg
Date: 8/18/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 9 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 783.32
Top of screen (ft. MSL):* 707.00 | Materials: PVC | Top of Casing elevation (ft. MSL)*: 785.70
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	75.89	76.07	78.21
Water elevation (ft. MSL):	709.81	709.63	707.49

3 Well Volumes (gal): 6.26 | Screen submerged? (Y/N): Yes

	Constructed*	Measured	Difference
Well Depth (ft. TOC):	88.70	89.00	0.30

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 700.70 | Flow Rate (mL/min): 150 | Volume removed (gal): 1.8 | Volume sampled (L): 3.68
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-24_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-24	Weather:	Clear, 77°F, S wind 5-10 mph, 30.0" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	10:48	10:52	10:57
Temp (°C)	19.21	19.38	19.62
Sp. Cond (umhos/cm)	1155.2	1135.9	1143.7
pH	7.15	7.14	7.13
DO (mg/l)	9.08	8.88	8.86
ORP (mV)	7.6	8.4	8.0
Turbidity (NTU)	21.2	20.2	20.9

Comments: *Well replaced in 2005 - could not find well construction form on DocDNA. TOC and Constructed Well Depth from 2005 AWQR. TOS estimated.

In accordance with Permit Amendment #16, annual monitoring was conducted at MW-24 in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-25	Weather:	Clear, 80°F, S wind 0- 5 mph, 29.9" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	781.70
Top of screen (ft. MSL):	679.02	Materials:	PVC	Top of Casing elevation (ft. MSL):	784.20
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	74.61	74.81	74.98
Water elevation (ft. MSL):	709.59	709.39	709.22

3 Well Volumes (gal): 17.39 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	110.18	110.35	0.17

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	679.20	Flow Rate (mL/min):	200	Volume removed (gal):	1.1
Well dry? (Y/N):	No	Odor? (Y/N):	No	Color? (Y/N):	No

Volume sampled (L):	3.68

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-25_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-25	Weather:	Clear, 80°F, S wind 0- 5 mph, 29.9" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	11:38	11:41	11:45
Temp (°C)	19.75	19.98	20.17
Sp. Cond (umhos/cm)	882.65	884.29	885.27
pH	7.27	7.28	7.30
DO (mg/l)	0.46	0.36	0.30
ORP (mV)	1.7	0.4	1.5
Turbidity (NTU)	0.60	0.56	0.39

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-25 in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-26	Weather:	Clear, 86°F, S wind 5-10 mph, 29.9" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	807.70
Top of screen (ft. MSL):	716.70	Materials:	PVC	Top of Casing elevation (ft. MSL):	811.58
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	101.31	101.34	104.39
Water elevation (ft. MSL):	710.27	710.24	707.19

3 Well Volumes (gal): 4.19 Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	109.88	111.40	1.52

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	703.58	Flow Rate (mL/min):	150	Volume removed (gal):	2.7
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	2.03
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-26_25_08	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - unpreserved	No
	USEPA 8270E - Bis(2-ethylhexyl)phthalate	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - alpha-BHC & Heptachlor	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020A - Appendix I Total Metals & Tin	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	14:11	14:15	14:21
Temp (°C)	24.07	23.87	23.60
Sp. Cond (umhos/cm)	1222.7	1213.8	1208.9
pH	6.95	6.96	6.97
DO (mg/l)	0.11	0.10	0.10
ORP (mV)	-44.4	-49.2	-53.6
Turbidity (NTU)	13.70	14.00	14.60

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-26	Weather:	Clear, 86°F, S wind 5-10 mph, 29.9" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-26 in Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-27 | Weather: Partly cloudy, 83°F, W winds 0-5 mph, 29.9"Hg
Date: 8/12/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 807.30
Top of screen (ft. MSL): 671.66 | Materials: PVC | Top of Casing elevation (ft. MSL): 809.66
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	100.13	N/A*	N/A*
Water elevation (ft. MSL):	709.53	N/A*	N/A*

3 Well Volumes (gal): 20.96 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	143.00	N/A	N/A

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

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, MW-27 is a water level only location.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-28 | Weather: Clear, 79°F, NNE wind 5-10 mph, 30.1" Hg
Date: 8/19/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 814.40
Top of screen (ft. MSL): 715.46 | Materials: PVC | Top of Casing elevation (ft. MSL): 816.62
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	107.38	107.30	108.82
Water elevation (ft. MSL):	709.24	709.32	707.80

3 Well Volumes (gal): 4.29 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	116.16	117.20	1.04

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 702.62 | Flow Rate (mL/min): 150 | Volume removed (gal): 1.7 | Volume sampled (L): 3.68
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-28_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-28	Weather:	Clear, 79°F, NNE wind 5-10 mph, 30.1" Hg
Date:	8/19/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	11:49	11:54	11:59
Temp (°C)	22.44	22.35	21.92
Sp. Cond (umhos/cm)	1012.2	1009.7	1008.2
pH	6.94	6.98	7.00
DO (mg/l)	3.97	4.20	4.29
ORP (mV)	13.7	11.4	10.8
Turbidity (NTU)	13.20	12.70	12.40

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-28 in Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-29 | Weather: Partly cloudy, 83°F, W winds 0-5 mph, 29.9 "Hg
Date: 8/12/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 813.80
Top of screen (ft. MSL): 679.70 | Materials: PVC | Top of Casing elevation (ft. MSL): 816.20
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	106.81	N/A*	N/A*
Water elevation (ft. MSL):	709.39	N/A*	N/A*

3 Well Volumes (gal): 16.96 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	141.50	N/A	N/A

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

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, MW-29 is a water level only location.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-30 | Weather: Clear, 90°F, S wind 5-10 mph, 29.9" Hg
Date: 8/18/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 788.60
Top of screen (ft. MSL): 712.40 | Materials: PVC | Top of Casing elevation (ft. MSL): 790.98
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	80.69	80.67	80.96
Water elevation (ft. MSL):	710.29	710.31	710.02

3 Well Volumes (gal): 3.86 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	88.58	89.60	1.02

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 705.98 | Flow Rate (mL/min): 200 | Volume removed (gal): 1.3 | Volume sampled (L): 3.68
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): Yes*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-30_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-30	Weather:	Clear, 90°F, S wind 5-10 mph, 29.9" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	15:25	15:28	15:31
Temp (°C)	19.88	19.57	19.40
Sp. Cond (umhos/cm)	1396.1	1403.2	1413.3
pH	6.78	6.81	6.86
DO (mg/l)	1.20	1.11	1.26
ORP (mV)	1.8	0.2	-2.4
Turbidity (NTU)	3.37	4.90	4.49

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-30 in Fall 2025.

*Black suspended solids in sample.

Collected field duplicate (FD-2_25_08) at MW-30.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-31	Weather:	Partly cloudy, 88°F, SW wind 5-10 mph,29.9" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	787.90
Top of screen (ft. MSL):	671.00	Materials:	PVC	Top of Casing elevation (ft. MSL):	790.06
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	80.68	80.68	80.90
Water elevation (ft. MSL):	709.38	709.38	709.16

3 Well Volumes (gal): 21.21 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	124.06	124.15	0.09

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	671.06	Flow Rate (mL/min):	200	Volume removed (gal):	2.7
Volume sampled (L):	1.49				
Well dry? (Y/N):	No	Odor? (Y/N):	No	Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-31_25_08	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40mL - unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-31	Weather:	Partly cloudy, 88°F, SW wind 5-10 mph,29.9" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	17:01	17:05	17:09
Temp (°C)	18.64	18.27	17.99
Sp. Cond (umhos/cm)	805.82	803.01	804.19
pH	7.47	7.50	7.52
DO (mg/l)	5.02	5.33	5.52
ORP (mV)	-14.0	-14.9	-15.5
Turbidity (NTU)	0.60	0.25	0.30

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-31 in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-32	Weather:	Partly ccoudy, 85°F, NE wind 5-10 mph, 30.0" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	746.80
Top of screen (ft. MSL):	713.62	Materials:	PVC	Top of Casing elevation (ft. MSL):	749.01
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	42.54	42.99	43.00
Water elevation (ft. MSL):	706.47	706.02	706.01

3 Well Volumes (gal): 6.40 Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	55.62	55.85	0.23

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	699.01	Flow Rate (mL/min):	200	Volume removed (gal):	1.0
Well dry? (Y/N):	No	Odor? (Y/N):	No	Color? (Y/N):	No

Volume sampled (L): 3.68

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-32_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-32	Weather:	Partly ccoudy, 85°F, NE wind 5-10 mph, 30.0" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	14:31	14:33	14:35
Temp (°C)	16.82	17.22	17.11
Sp. Cond (umhos/cm)	3462.2	3492.9	3514.2
pH	6.86	6.86	6.87
DO (mg/l)	0.15	0.13	0.12
ORP (mV)	-31.8	-33.3	-34.4
Turbidity (NTU)	9.40	9.00	8.70

Comments:

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-33 | Weather: Partly cloudy, 83°F, NE wind 10--20 mph, 30.0" Hg
Date: 8/20/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8.86 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 746.36
Top of screen (ft. MSL): 670.39 | Materials: PVC | Top of Casing elevation (ft. MSL): 749.92
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	43.27	43.71	43.76
Water elevation (ft. MSL):	706.65	706.21	706.16

3 Well Volumes (gal): 20.18 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	84.53	84.75	0.22

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 670.92 | Flow Rate (mL/min): 200 | Volume removed (gal): 2.1 | Volume sampled (L): 3.68
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-33_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-33	Weather:	Partly cloudy, 83°F, NE wind 10--20 mph, 30.0" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	15:37	15:41	15:44
Temp (°C)	19.44	19.44	19.13
Sp. Cond (umhos/cm)	1970.8	1934.4	1913.9
pH	7.13	7.13	7.14
DO (mg/l)	0.17	0.17	0.15
ORP (mV)	-3.1	-3.8	-4.0
Turbidity (NTU)*	2.23	2.83	4.30

Comments:

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-34 | Weather: Partly cloudy, 86°F, NNE wind 10-20 mph, 30.0" Hg
Date: 8/20/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 745.33
Top of screen (ft. MSL): 708.91 | Materials: PVC | Top of Casing elevation (ft. MSL): 748.72
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	41.12	41.26	42.11
Water elevation (ft. MSL):	707.60	707.46	706.61

3 Well Volumes (gal): 4.25 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	49.81	49.30	0.51

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 700.72 | Flow Rate (mL/min): 200 | Volume removed (gal): 1.3 | Volume sampled (L): 3.68
Well dry? (Y/N): No | Odor? (Y/N): Yes, slight | Color? (Y/N): Yes, slight*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-34_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-34	Weather:	Partly cloudy, 86°F, NNE wind 10-20 mph, 30.0" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	13:27	13:30	13:32
Temp (°C)	18.08	18.06	17.79
Sp. Cond (umhos/cm)	2649.7	2680.3	2702.0
pH	6.89	6.92	6.95
DO (mg/l)	4.24	4.37	4.63
ORP (mV)	-7.5	-8.3	-8.3
Turbidity (NTU)	12.29	12.23	12.85

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-34 in Fall 2025.

*Slight odor, color, and black suspended solids in sample.

Field blank (FB-3_25_08) collected at 13:40

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-35	Weather:	Partly cloudy, 84°F, NNW wind 5-10 mph, 30.0" Hg
Date:	8/19/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	741.63
Top of screen (ft. MSL):	711.04	Materials:	PVC	Top of Casing elevation (ft. MSL):	744.89
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	38.00	38.36	38.96
Water elevation (ft. MSL):	706.89	706.53	705.93

3 Well Volumes (gal): 2.86 Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	43.85	45.35	1.50

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	700.69	Flow Rate (mL/min):	200	Volume removed (gal):	1.1
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.68
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-35_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-35	Weather:	Partly cloudy, 84°F, NNW wind 5-10 mph, 30.0" Hg
Date:	8/19/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	17:05	17:08	17:10
Temp (°C)	14.89	14.33	14.24
Sp. Cond (umhos/cm)	1599.7	1604.3	1604.8
pH	6.90	6.90	6.90
DO (mg/l)	0.26	0.24	0.21
ORP (mV)	56.5	56.7	56.8
Turbidity (NTU)	5.00	3.70	3.00

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-35 in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-36	Weather:	Partly cloudyr, 83°F, NNW wind 5-10 mph, 30.0" Hg
Date:	8/19/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	741.58
Top of screen (ft. MSL):	674.03	Materials:	PVC	Top of Casing elevation (ft. MSL):	745.22
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	38.40	38.77	38.75
Water elevation (ft. MSL):	706.82	706.45	706.47

3 Well Volumes (gal): 18.48 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	76.19	76.20	0.01

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	674.22	Flow Rate (mL/min):	225	Volume removed (gal):	0.8
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.68
				Color? (Y/N):	Yes*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-36_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-36	Weather:	Partly cloudyr, 83°F, NNW wind 5-10 mph, 30.0" Hg
Date:	8/19/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	16:14	16:17	16:19
Temp (°C)	15.61	15.59	15.26
Sp. Cond (umhos/cm)	1953.6	1946.2	1936.3
pH	6.81	6.82	6.82
DO (mg/l)	0.24	0.19	0.15
ORP (mV)	11.5	9.8	8.7
Turbidity (NTU)	1.48	0.68	1.73

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-36 in Fall 2025.

*Black suspended solids in sample.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-37 | Weather: Clear, 75°F, N wind 5-10 mph, 30.0" Hg
Date: 8/8/2013 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 782.70
Top of screen (ft. MSL): 724.97 | Materials: PVC | Top of Casing elevation (ft. MSL): 784.81
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	63.86	63.95	N/A
Water elevation (ft. MSL):	720.95	N/A	N/A

3 Well Volumes (gal): 2.92 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	69.84	69.90	0.06

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

Sampling Details

Sampling Method: X Pump (low flow) | X No-purge (specify sample interval): Bottom of Screen
_ Bailer | _ Other (specify): _

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 715.81 | Flow Rate (mL/min): 200 | Volume removed (gal): N/A | Volume sampled (L): 3.68
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-37_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-37	Weather:	Clear, 75°F, N wind 5-10 mph, 30.0" Hg
Date:	8/8/2013	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

	Final Reading
Time	12:15
Temp (°C)	27.36
Sp. Cond (umhos/cm)	767.86
pH	7.45
DO (mg/l)	4.65
ORP (mV)	-53.8
Turbidity (NTU)	0.89

Comments: No purge sampling conducted since well recharge rate is less than 100 mL/min. Field measurements collected prior to sample collection using flow-through cell.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-38 | Weather: Clear, 81°F, NE wind 5-10 mph, 30.0" Hg
Date: 8/13/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 782.60
Top of screen (ft. MSL): 699.26 | Materials: PVC | Top of Casing elevation (ft. MSL): 784.81
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	63.96	64.05	66.10
Water elevation (ft. MSL):	720.85	720.76	718.71

3 Well Volumes (gal): 13.00 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	90.55	90.05	0.50

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 699.81 | Flow Rate (mL/min): 200 | Volume removed (gal): 2.9 | Volume sampled (L): 3.68
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-38_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-38	Weather:	Clear, 81°F, NE wind 5-10 mph, 30.0" Hg
Date:	8/13/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	11:29	11:32	11:36
Temp (°C)	15.64	15.76	15.68
Sp. Cond (umhos/cm)	377.16	377.02	369.00
pH	8.03	8.04	8.05
DO (mg/l)	11.08	10.90	11.12
ORP (mV)	97.8	93.2	89.6
Turbidity (NTU)	1.19	1.09	1.69

Comments:

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: VP-3 | Weather: Clear, 81°F, N wind 5-10 mph, 30.0" Hg
Date: 8/13/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 9 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 774.99
Top of screen (ft. MSL): 710.42 | Materials: PVC | Top of Casing elevation (ft. MSL): 774.52
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	62.19	62.16	62.25
Water elevation (ft. MSL):	712.33	712.36	712.27

3 Well Volumes (gal): 5.82 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	74.10	74.30	0.20

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 706.02 | Flow Rate (mL/min): 150 | Volume removed (gal): 1.1 | Volume sampled (L): 3.68
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
VP-3_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	VP-3	Weather:	Clear, 81°F, N wind 5-10 mph, 30.0" Hg
Date:	8/13/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	14:12	14:16	14:20
Temp (°C)	19.55	19.76	20.01
Sp. Cond (umhos/cm)	848.9	851.5	844.7
pH	6.93	6.94	6.96
DO (mg/l)	2.83	2.83	2.93
ORP (mV)	-49.1	-47.8	-47.1
Turbidity (NTU)	4.28	0.97	1.30

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at VP-3 in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	VP-4	Weather:	Partly cloudy, 82°F,NW wind 0-5 mph, 30.0" Hg
Date:	8/13/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	9	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	791.29
Top of screen (ft. MSL):	718.01	Materials:	PVC	Top of Casing elevation (ft. MSL):	790.91
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	78.84	78.91	79.46
Water elevation (ft. MSL):	712.07	712.00	711.45

3 Well Volumes (gal): 2.03 Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	82.99	83.25	0.26

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	708.91	Flow Rate (mL/min):	200	Volume removed (gal):	1.2
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.68
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
VP-4_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	VP-4	Weather:	Partly cloudy, 82°F,NW wind 0-5 mph, 30.0" Hg
Date:	8/13/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	16:36	16:39	16:42
Temp (°C)	15.93	15.78	15.45
Sp. Cond (umhos/cm)	674.88	672.46	670.73
pH	7.16	7.20	7.24
DO (mg/l)	0.23	0.21	0.17
ORP (mV)	-63.2	-66.3	-68.5
Turbidity (NTU)	0.74	3.72	3.23

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at VP-4 in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-101A	Weather:	Clear, 86°F, S wind 5-10 mph, 30.0" Hg
Date:	8/15/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	717.95
Top of screen (ft. MSL):	706.36	Materials:	PVC	Top of Casing elevation (ft. MSL):	720.47
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	12.58	12.95	13.00
Water elevation (ft. MSL):	707.89	707.52	707.47

3 Well Volumes (gal): 8.30 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	29.55	29.45	0.10

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

Sampling Details

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

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

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

Equipment depth (ft. MSL:)	693.97	Flow Rate (mL/min):	200	Volume removed (gal):	0.6
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	3.68
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-101A_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-101A	Weather:	Clear, 86°F, S wind 5-10 mph, 30.0" Hg
Date:	8/15/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	12:23	12:25	12:27
Temp (°C)	20.56	20.54	20.43
Sp. Cond (umhos/cm)	1345.6	1334.9	1326.3
pH	6.99	7.02	7.03
DO (mg/l)	0.32	0.27	0.25
ORP (mV)	155.4	150.3	147.7
Turbidity (NTU)	3.91	2.01	3.46

Comments:

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C

Well/Piezometer: MW-101B | Weather: Cleary, 82°F, SSE wind 5-10 mph, 30.0" Hg

Date: 8/15/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 717.86

Top of screen (ft. MSL): 640.36 | Materials: PVC | Top of Casing elevation (ft. MSL): 720.33

Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	12.37	12.74	13.55
Water elevation (ft. MSL):	707.96	707.59	706.78

3 Well Volumes (gal): 35.47 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	84.90	84.75	0.15

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

Sampling Details

Sampling Method: X Pump (low flow) | ___ No-purge (specify sample interval): ___

___ Bailer | ___ Other (specify): ___

Equipment type: ___ Submersible pump | X Peristaltic pump | ___ Bladder pump

___ Inertial lift pump | ___ Bailer | ___ No-purge (specify): ___

___ Other (specify): ___

Equipment name/description: GeoTech Peristaltic | Dedicated? (Y/N): No | Disposable? (Y/N): No

Decontamination method: disposable tubing

Equipment depth (ft. MSL:) 640.33 | Flow Rate (mL/min): 125 | Volume removed (gal): 1.5 | Volume sampled (L): 3.68

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

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-101B_25_08	USEPA 8260D - Appendix II VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8015C - Acetonitrile & Isobutanol	(3) VOA Vial 40 mL - Unpreserved	No
	USEPA 8270E - Appendix II SVOCs	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8081B - Appendix II Pesticides	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 8151A - Appendix II Herbicides	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 8082A - Appendix II PCBs	(4) Amber VOA Vial 40 mL - Unpreserved	No
	USEPA 6020B - Appendix II Total Metals	(1) Plastic 250 mL - HNO_3	No
	USEPA 7470A - Mercury		
	USEPA 9012B - Total Cyanide	(1) Plastic 250 mL - NaOH	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No
	USGS I-3765-85 - TSS	(1) Plastic 1L - unpreserved	No

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-101B	Weather:	Cleary, 82°F, SSE wind 5-10 mph, 30.0" Hg
Date:	8/15/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Field Analysis

			Final Reading
Time	11:32	11:37	11:42
Temp (°C)	21.53	21.64	21.23
Sp. Cond (umhos/cm)	1092.4	1097.9	1093.3
pH	7.47	7.49	7.51
DO (mg/l)	3.86	3.93	3.93
ORP (mV)	75.2	76.2	78.2
Turbidity (NTU)	1.71	2.41	1.70

Comments:

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-102A	Weather:	Partly cloudy, 830, W winds 0-5 mph, 29.9 "Hg
Date:	8/12/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	723.29
Top of screen (ft. MSL):	705.11	Materials:	PVC	Top of Casing elevation (ft. MSL):	725.57
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	17.64	N/A*	N/A*
Water elevation (ft. MSL):	707.93	N/A*	N/A*

3 Well Volumes (gal): 7.88 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	33.75	N/A	N/A

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

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, MW-102A is a water level only location.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-102B	Weather:	Partly Cloudy, 88°F, S wind 5-10 mph, 30.0" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	723.68
Top of screen (ft. MSL):	651.28	Materials:	PVC	Top of Casing elevation (ft. MSL):	726.21
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	18.36	18.92	19.25
Water elevation (ft. MSL):	707.85	707.29	706.96

3 Well Volumes (gal): 34.05 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	88.00	85.95	2.05

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

Sampling Details

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

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

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

Equipment depth (ft. MSL:)	643.21	Flow Rate (mL/min):	200	Volume removed (gal):	0.6
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	1.49
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-102B_25_08	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40mL - unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	14:05	14:07	14:09
Temp (°C)	22.76	22.45	22.44
Sp. Cond (umhos/cm)	791.6	804.2	813.8
pH	7.34	7.29	7.28
DO (mg/l)	0.48	0.38	0.31
ORP (mV)	-76.5	-72.7	-72.5
Turbidity (NTU)	0.87	0.79	0.93

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-102B	Weather:	Partly Cloudy, 88°F, S wind 5-10 mph, 30.0" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-102B in Fall 2025.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-103A | Weather: Partly cloudy, 83°F, W winds 0-5 mph, 29.9"Hg
Date: 8/12/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 717.62
Top of screen (ft. MSL): 707.62 | Materials: PVC | Top of Casing elevation (ft. MSL): 720.34
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	11.92	N/A*	N/A*
Water elevation (ft. MSL):	708.42	N/A*	N/A*

3 Well Volumes (gal): 5.37 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	22.90	N/A	N/A

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

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, MW-103A is a water level only location.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-103C	Weather:	Partly cloudy, 83°F, W winds 0-5 mph, 29.9 "Hg
Date:	8/12/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	717.32
Top of screen (ft. MSL):	649.32	Materials:	PVC	Top of Casing elevation (ft. MSL):	719.90
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	11.53	N/A*	N/A*
Water elevation (ft. MSL):	708.37	N/A*	N/A*

3 Well Volumes (gal): 31.45 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	75.85	N/A	N/A

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

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, MW-103C is a water level only location.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-104B	Weather:	Partly cloudy, 83°F, NE wind 10-20 mph, 30.30" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	771.09
Top of screen (ft. MSL):	686.09	Materials:	PVC	Top of Casing elevation (ft. MSL):	773.35
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	63.21	63.33	63.61
Water elevation (ft. MSL):	710.14	710.02	709.74

3 Well Volumes (gal): 17.06 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	98.10	98.20	0.10

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

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	680.35	Flow Rate (mL/min):	200	Volume removed (gal):	0.9
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	1.25
				Color? (Y/N):	Yes*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-104B_25_08	USEPA 6020B - Total Arsenic	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	16:37	16:40	16:43
Temp (°C)	16.22	16.24	16.17
Sp. Cond (umhos/cm)	1587.2	1580.9	1554.4
pH	7.20	7.20	7.21
DO (mg/l)	0.45	0.36	0.29
ORP (mV)	44.3	45.8	46.7
Turbidity (NTU)	2.88	3.43	4.55

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-104B	Weather:	Partly cloudy, 83°F, NE wind 10-20 mph, 30.30" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-104B in Fall 2025.

* Black suspended solids in sample.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-105A | Weather: Mostly Cloudy, 88°F, NNE wind @ 5-10 mph, 30.1" Hg
Date: 8/20/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 721.80
Top of screen (ft. MSL): 708.80 | Materials: PVC | Top of Casing elevation (ft. MSL): 723.97
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	18.74	19.52	19.63
Water elevation (ft. MSL):	705.23	704.45	704.34

3 Well Volumes (gal): 5.70 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	30.40	30.50	0.10

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

Sampling Details

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

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

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

Equipment depth (ft. MSL:) 698.97 | Flow Rate (mL/min): 200 | Volume removed (gal): 0.8 | Volume sampled (L): 1.49
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-105A_25_08	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40mL - unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	10:58	11:00	11:02
Temp (°C)	15.67	15.38	15.54
Sp. Cond (umhos/cm)	1280.0	1278.0	1281.0
pH	6.52	6.49	6.48
DO (mg/l)	0.47	0.39	0.35
ORP (mV)	244.3	245.1	244.5
Turbidity (NTU)	0.00	0.00	0.00

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-105A	Weather:	Mostly Cloudy, 88°F, NNE wind @ 5-10 mph, 30.1" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-105A in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-105B	Weather:	Partly Cloudy, 81°F, NNE wind 5-10 mph, 30.1" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	721.80
Top of screen (ft. MSL):	648.80	Materials:	PVC	Top of Casing elevation (ft. MSL):	724.00
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	18.97	19.73	19.74
Water elevation (ft. MSL):	705.03	704.27	704.26

3 Well Volumes (gal): 32.53 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	85.50	85.35	0.15

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

Sampling Details

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

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

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

Equipment depth (ft. MSL:)	644.00	Flow Rate (mL/min):	225	Volume removed (gal):	0.8
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	1.49
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-105B_25_08	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40mL - unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	11:26	11:29	11:31
Temp (°C)	15.51	15.31	15.07
Sp. Cond (umhos/cm)	2150.0	2052.0	2150.0
pH	6.76	6.77	6.77
DO (mg/l)	0.30	0.25	0.23
ORP (mV)	105.6	97.5	96.5
Turbidity (NTU)	0.00	0.00	0.00

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-105B	Weather:	Partly Cloudy, 81°F, NNE wind 5-10 mph, 30.1" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-105B in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-106A	Weather:	Partly Cloudy, 88°F, S wind 5-10 mph, 29.9" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	714.04
Top of screen (ft. MSL):	707.34	Materials:	PVC	Top of Casing elevation (ft. MSL):	716.19
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	10.49	10.97	10.60
Water elevation (ft. MSL):	705.70	705.22	705.59

3 Well Volumes (gal): 6.39 Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	23.55	23.55	0.00

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

Sampling Details

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

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

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

Equipment depth (ft. MSL:)	698.19	Flow Rate (mL/min):	200	Volume removed (gal):	1.2
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	1.49
				Color? (Y/N):	Yes, slight

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-106A_25_08	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40mL - unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	15:52	15:54	15:56
Temp (°C)	17.03	16.85	16.93
Sp. Cond (umhos/cm)	1755.0	1728.0	1718.0
pH	7.33	7.34	7.35
DO (mg/l)	0.15	0.15	0.14
ORP (mV)	-112.5	-113.2	-114.5
Turbidity (NTU)	25.90	24.60	25.10

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-106A	Weather:	Partly Cloudy, 88°F, S wind 5-10 mph, 29.9" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-106A in Fall 2025

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-107A	Weather:	Partly cloudy,80°F, SE wind 5-10 mph, 30.0" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	719.13
Top of screen (ft. MSL):	706.90	Materials:	PVC	Top of Casing elevation (ft. MSL):	721.65
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	14.03	14.81	14.82
Water elevation (ft. MSL):	707.62	706.84	706.83

3 Well Volumes (gal): 7.78 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	29.95	29.65	0.30

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

Sampling Details

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

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

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

Equipment depth (ft. MSL:)	696.65	Flow Rate (mL/min):	200	Volume removed (gal):	0.6
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	1.49
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-107A_25_08	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40mL - unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	11:32	11:34	11:36
Temp (°C)	19.39	19.34	19.66
Sp. Cond (umhos/cm)	1038.0	1023.0	1012.0
pH	6.95	6.93	6.92
DO (mg/l)	0.37	0.30	0.25
ORP (mV)	193.4	192.1	188.4
Turbidity (NTU)	1.64	0.49	0.70

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-107A	Weather:	Partly cloudy,80°F, SE wind 5-10 mph, 30.0" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-107A in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-107B	Weather:	Cloudy, 77°F, NNE wind 5-10 mph, 30.0" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	719.12
Top of screen (ft. MSL):	660.37	Materials:	PVC	Top of Casing elevation (ft. MSL):	721.91
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	14.09	14.73	14.79
Water elevation (ft. MSL):	707.82	707.18	707.12

3 Well Volumes (gal): 26.12 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	67.51	67.50	0.01

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

Sampling Details

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

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

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

Equipment depth (ft. MSL:)	659.41	Flow Rate (mL/min):	200	Volume removed (gal):	0.9
Volume sampled (L):	1.49				
Well dry? (Y/N):	No	Odor? (Y/N):	No	Color? (Y/N):	Yes, slight*

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-107B_25_08	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40mL - unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	10:54	10:56	10:58
Temp (°C)	18.10	18.35	18.08
Sp. Cond (umhos/cm)	1040.0	1037.0	1039.0
pH	7.07	7.06	7.06
DO (mg/l)	0.25	0.25	0.23
ORP (mV)	224.7	224.7	225.7
Turbidity (NTU)	3.78	4.13	3.73

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-107B	Weather:	Cloudy, 77°F, NNE wind 5-10 mph, 30.0" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-107B in Fall 2025.

Field duplicate (FD-5_25_08) collected at MW-107B.

*Slight suspended solids.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-108A | Weather: Partly cloudy, 83°F, W winds 0-5 mph, 29.9 "Hg
Date: 8/12/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 719.45
Top of screen (ft. MSL): 710.15 | Materials: PVC | Top of Casing elevation (ft. MSL): 719.11
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	10.32	N/A*	N/A*
Water elevation (ft. MSL):	708.79	N/A*	N/A*

3 Well Volumes (gal): 4.39 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	19.30	N/A	N/A

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

Sampling Details

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

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

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

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

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

Field Analysis

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

Comments: *In accordance with Permit Amendment #16, MW-108A is a water level only location.

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-108B | Weather: Partly cloudy, 90°F, S wind 5-10 mph, 29.9" Hg
Date: 8/18/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8.25 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 719.45
Top of screen (ft. MSL): 646.77 | Materials: PVC | Top of Casing elevation (ft. MSL): 719.00
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	11.41	11.07	11.04
Water elevation (ft. MSL):	707.59	707.93	707.96

3 Well Volumes (gal): 31.93 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	76.70	76.70	0.00

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

Sampling Details

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

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

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

Equipment depth (ft. MSL:) 645.00 | Flow Rate (mL/min): 125 | Volume removed (gal): 0.5 | Volume sampled (L): 1.49
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-108B_25_08	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40mL - unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	14:42	14:45	14:47
Temp (°C)	23.76	23.30	23.67
Sp. Cond (umhos/cm)	856.4	863.2	872.0
pH	7.37	7.36	7.34
DO (mg/l)	0.74	0.63	0.58
ORP (mV)	-27.0	-22.1	-20.5
Turbidity (NTU)	2.84	1.80	2.76

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-108B	Weather:	Partly cloudy, 90°F, S wind 5-10 mph, 29.9" Hg
Date:	8/18/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-108B in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-109A	Weather:	Partly Cloudy, 81°F, NNE wind 5-10 mph, 30.1" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.25	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	721.23
Top of screen (ft. MSL):	707.23	Materials:	PVC	Top of Casing elevation (ft. MSL):	724.17
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	18.41	19.21	19.39
Water elevation (ft. MSL):	705.76	704.96	704.78

3 Well Volumes (gal): 4.42 Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	27.45	27.35	0.10

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

Sampling Details

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

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

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

Equipment depth (ft. MSL:)	701.17	Flow Rate (mL/min):	200	Volume removed (gal):	0.8
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	1.49
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-109A_25_08	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40mL - unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	17:27	17:29	17:31
Temp (°C)	16.90	17.21	16.89
Sp. Cond (umhos/cm)	1463.0	1457.0	1447.0
pH	6.89	6.86	6.86
DO (mg/l)	1.30	1.25	1.22
ORP (mV)	110.9	115.4	119.5
Turbidity (NTU)	2.82	0.63	1.67

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-109A	Weather:	Partly Cloudy, 81°F, NNE wind 5-10 mph, 30.1" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-109A in Fall 2025.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-109B	Weather:	Partly Cloudy, 81°F, NNE wind 5-10 mph, 30.1" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.25	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	721.27
Top of screen (ft. MSL):	650.27	Materials:	PVC	Top of Casing elevation (ft. MSL):	724.37
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	18.23	18.87	18.99
Water elevation (ft. MSL):	706.14	705.50	705.38

3 Well Volumes (gal): 32.19 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	84.05	83.65	0.40

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

Sampling Details

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

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

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

Equipment depth (ft. MSL:)	645.37	Flow Rate (mL/min):	125	Volume removed (gal):	0.6
Volume sampled (L):	1.49				
Well dry? (Y/N):	No	Odor? (Y/N):	No	Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-109B_25_08	USEPA 8260D - Appendix I VOCs	(3) VOA Vial 40 mL - HCl	No
		(3) VOA Vial 40mL - unpreserved	No
	USEPA 6020B - Appendix I Total Metals	(1) Plastic 250 mL - HNO_3	No
	USGS I-3765-85 - TSS	(1) Plastic 1 Liter - Unpreserved	No

Field Analysis

			Final Reading
Time	16:46	16:50	16:54
Temp (°C)	20.07	19.71	19.05
Sp. Cond (umhos/cm)	2141.0	2145.0	2157.0
pH	6.78	6.77	6.77
DO (mg/l)	0.61	0.50	0.44
ORP (mV)	0.4	6.5	8.3
Turbidity (NTU)	0.00	0.00	0.00

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-109B	Weather:	Partly Cloudy, 81°F, NNE wind 5-10 mph, 30.1" Hg
Date:	8/20/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Comments: In accordance with Permit Amendment #16, annual monitoring was conducted at MW-109B in Fall 2025.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gina Wilming
Foth Infrastructure & Environment, LLC
411 6th Avenue SE
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Generated 8/29/2025 2:43:58 PM

JOB DESCRIPTION

CRLCSWA Site 1

JOB NUMBER

310-313508-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

my EOL

Job Notes

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Job ID: 310-313508-1 Eurofins Cedar Falls

Job Narrative
310-313508-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/15/2025 2:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 0.5°C, 1.0°C, 1.4°C, 1.6°C, 1.9°C, 1.9°C, 1.9°C, 2.5°C, 3.2°C and 3.5°C.

GC/MS VOA
Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container: MW-38_25_08 (310-313508-13).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: Internal standard (ISTD) response for the following samples were outside of acceptance limits: AW-2_25_08 (310-313508-2) and AW-3_25_08 (310-313508-3). The ISTD failed low causing the data to be biased high. The affected analytes were non-detects therefore the data has been reported.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-464070 and analytical batch 310-464176 recovered outside control limits for the following analytes: 2,4-Dinitrophenol and 4-Chloroaniline.

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-464176 recovered above the upper control limit for 3,3'-Dichlorobenzidine(25.1%D) and 2-Nitrophenol(22.0%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-464176/2).

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-464253 recovered above the upper control limit for 2-Nitrophenol(20.1%D), 3,3'-Dichlorobenzidine(42.7%D) and 3-Nitroaniline(20.8%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-464253/2).

Method 8270E: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 310-464070 and analytical batch 310-464682 recovered outside control limits for the following analyte(s): 1,4-phenylenediamine and Methapyrilene. 1,4-phenylenediamine and Methapyrilene have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The laboratory control sample (LCS) for preparation batch 310-464070 and analytical batch 310-464682 recovered outside acceptance limits for 3,3'-Dimethylbenzidine. There was insufficient sample and holding-time to perform a re-extraction or re-analysis; therefore, the data have been reported.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-464070 and analytical batch 310-464682 recovered outside control limits for the following analytes: 1,4-Naphthoquinone, 2,4-Dinitrophenol, 2-Acetylaminofluorene, 2-Naphthylamine, 3,3'-Dimethylbenzidine, 4-Aminobiphenyl, 4-Chloroaniline, 7,12-Dimethylbenz(a)anthracene, Diallate, Diallate Peak 1, Diallate Peak 2, Ethyl methanesulfonate, Isodrin, Isosafrole, Methapyrilene, Methyl methanesulfonate, Methyl parathion, N-Nitrosodimethylamine, N-Nitrosodi-n-butylamine, N-Nitrosomethylethylamine, N-Nitrosopiperidine, o-Toluidine, p-Dimethylamino azobenzene, Safrole and Thionazin.

Method 8270E: The laboratory control sample (LCS) for preparation batch 310-464070 and analytical batch 310-464682 recovered outside acceptance limits for 3,3'-Dimethylbenzidine and 4-Aminobiphenyl. There was insufficient sample and holding-time to perform a re-extraction or re-analysis; therefore, the data have been reported.

Method 8270E: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 310-464385 and analytical batch 310-464999 recovered outside control limits for the following analyte(s): 1,4-phenylenediamine and Methapyrilene. 1,4-phenylenediamine and Methapyrilene have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 310-464385 and analytical batch 310-464999 recovered outside control limits for the following analyte(s): 1,4-phenylenediamine. 1,4-phenylenediamine have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The laboratory control sample (LCS) for preparation batch 310-464385 and analytical batch 310-464999 recovered outside control limits for the following analytes: Diallate Peak 1, Dimethoate, Famphur and Kepone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The laboratory control sample duplicate (LCSD) for preparation batch 310-464385 and analytical batch 310-464999 recovered outside control limits for the following analytes: Famphur. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-464385 and analytical batch 310-464999 recovered outside control limits for the following analytes: 1,4-phenylenediamine, Disulfoton and Methapyrilene.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
Method 8015C_DAI: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 310-464133 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Herbicides
Method 8151A: The laboratory control sample (LCS) for preparation batch 500-830739 and analytical batch 500-830878 recovered outside control limits for the following analytes: Silvex (2,4,5-TP) and 2,4,5-T. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8151A: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 500-830739 and analytical batch 500-830878 recovered outside control limits for the following analytes: 2,4-D and 2,4,5-T.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
Method 8081B: The continuing calibration verification (CCV) associated with batch 310-465011 recovered above the upper control limit for 4,4'-DDT and Methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 7470A: The method blank for preparation batch 310-464229 contained Mercury above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Job ID: 310-313508-1 (Continued) Eurofins Cedar Falls

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 9034_Calc: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 500-831061 and analytical batch 500-831084 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-313508-1	AW-1_25_08	Water	08/14/25 13:45	08/15/25 14:45	Iowa
310-313508-2	AW-2_25_08	Water	08/13/25 15:50	08/15/25 14:45	Iowa
310-313508-3	AW-3_25_08	Water	08/13/25 18:25	08/15/25 14:45	Iowa
310-313508-4	CRL-9_25_08	Water	08/14/25 14:35	08/15/25 14:45	Iowa
310-313508-5	MW-13_25_08	Water	08/14/25 10:05	08/15/25 14:45	Iowa
310-313508-6	MW-14_25_08	Water	08/14/25 11:00	08/15/25 14:45	Iowa
310-313508-7	MW-15_25_08	Water	08/15/25 09:30	08/15/25 14:45	Iowa
310-313508-8	MW-16_25_08	Water	08/15/25 10:15	08/15/25 14:45	Iowa
310-313508-9	MW-21_25_08	Water	08/14/25 16:15	08/15/25 14:45	Iowa
310-313508-10	MW-22_25_08	Water	08/14/25 16:50	08/15/25 14:45	Iowa
310-313508-11	MW-23_25_08	Water	08/14/25 15:20	08/15/25 14:45	Iowa
310-313508-12	MW-37_25_08	Water	08/13/25 12:05	08/15/25 14:45	Iowa
310-313508-13	MW-38_25_08	Water	08/13/25 11:40	08/15/25 14:45	Iowa
310-313508-14	VP-3_25_08	Water	08/13/25 14:25	08/15/25 14:45	Iowa
310-313508-15	VP-4_25_08	Water	08/13/25 16:45	08/15/25 14:45	Iowa
310-313508-16	MW-101A_25_08	Water	08/15/25 12:30	08/15/25 14:45	Iowa
310-313508-17	MW-101B_25_08	Water	08/15/25 11:45	08/15/25 14:45	Iowa
310-313508-18	FD-1_25_08	Water	08/14/25 00:00	08/15/25 14:45	Iowa
310-313508-19	FB-1_25_08	Water	08/15/25 09:30	08/15/25 14:45	Iowa
310-313508-20	TB-1_25_08	Water	08/15/25 00:00	08/15/25 14:45	Iowa

Detection Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: AW-1_25_08 — Lab Sample ID: 310-313508-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.461	J	1.00	0.220	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	0.486	J	1.00	0.230	ug/L	1		8260D	Total/NA
Chlorobenzene	2.92		1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.612	J	1.00	0.210	ug/L	1		8260D	Total/NA
Arsenic	0.0354		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.114		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00158		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0275		0.00500	0.00230	mg/L	1		6020B	Total/NA
Thallium	0.00143		0.00100	0.000570	mg/L	1		6020B	Total/NA
Zinc	0.0156	J	0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	29.0		7.50	5.25	mg/L	1		I-3765-85	Total/NA

Client Sample ID: AW-2_25_08 — Lab Sample ID: 310-313508-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.18		1.00	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	1.70		1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	2.57		1.00	0.210	ug/L	1		8260D	Total/NA
Vinyl chloride	0.422	J	1.00	0.180	ug/L	1		8260D	Total/NA
Bis(2-ethylhexyl) phthalate	6.57	J	10.6	5.85	ug/L	1		8270E	Total/NA
Di-n-octyl phthalate	9.79	J	21.3	7.45	ug/L	1		8270E	Total/NA
Arsenic	0.0175		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.461		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00183		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000806		0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.0154		0.00500	0.00230	mg/L	1		6020B	Total/NA
Thallium	0.00365		0.00100	0.000570	mg/L	1		6020B	Total/NA
Total Suspended Solids	10.6		3.00	2.10	mg/L	1		I-3765-85	Total/NA

Client Sample ID: AW-3_25_08 — Lab Sample ID: 310-313508-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.221	J	1.00	0.220	ug/L	1		8260D	Total/NA
Arsenic	0.0196		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0783		0.00200	0.000660	mg/L	1		6020B	Total/NA
Sulfide	0.663	J	1.00	0.231	mg/L	1		9034	Total/NA
Total Suspended Solids	5.88		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: CRL-9_25_08 — Lab Sample ID: 310-313508-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.92	J	10.0	3.10	ug/L	1		8260D	Total/NA
Benzene	2.86		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	0.652	J	1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.240	J	1.00	0.210	ug/L	1		8260D	Total/NA
o-Toluidine	12.5		10.6	3.09	ug/L	1		8270E	Total/NA
Arsenic	0.0511		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.460		0.00200	0.000660	mg/L	1		6020B	Total/NA
Chromium	0.00214	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Cobalt	0.00464		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0228		0.00500	0.00230	mg/L	1		6020B	Total/NA
Sulfide	2.60		1.00	0.231	mg/L	1		9034	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: CRL-9_25_08 (Continued) — Lab Sample ID: 310-313508-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	28.0		7.50	5.25	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-13_25_08 — Lab Sample ID: 310-313508-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.669	J	1.00	0.220	ug/L	1		8260D	Total/NA
1,2-Dichlorobenzene	2.11		1.00	0.370	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	15.8		1.00	0.230	ug/L	1		8260D	Total/NA
Acetone	4.58	J	10.0	3.10	ug/L	1		8260D	Total/NA
Benzene	3.35		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	3.88		1.00	0.400	ug/L	1		8260D	Total/NA
Chloroethane	3.61	J	4.00	0.790	ug/L	1		8260D	Total/NA
Dimethyl phthalate	10.1	J	10.9	1.09	ug/L	1		8270E	Total/NA
Arsenic	0.0423		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.669		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00116		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0118		0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00207	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Total Suspended Solids	87.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-14_25_08 — Lab Sample ID: 310-313508-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.65		1.00	0.220	ug/L	1		8260D	Total/NA
1,2-Dichlorobenzene	1.23		1.00	0.370	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	10.2		1.00	0.230	ug/L	1		8260D	Total/NA
Acetone	3.59	J	10.0	3.10	ug/L	1		8260D	Total/NA
Benzene	0.840		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	2.16		1.00	0.400	ug/L	1		8260D	Total/NA
Chloroethane	1.91	J	4.00	0.790	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.514	J	1.00	0.210	ug/L	1		8260D	Total/NA
Antimony	0.00138	J	0.00200	0.00100	mg/L	1		6020B	Total/NA
Arsenic	0.0189		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.860		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000888		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0155		0.00500	0.00230	mg/L	1		6020B	Total/NA
Tin	0.00378	J	0.00500	0.00250	mg/L	1		6020B	Total/NA
Total Suspended Solids	84.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-15_25_08 — Lab Sample ID: 310-313508-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000924	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0360		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00216		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00934		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	3.38		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-16_25_08 — Lab Sample ID: 310-313508-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.12		1.00	0.220	ug/L	1		8260D	Total/NA
1,2-Dichlorobenzene	0.864	J	1.00	0.370	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-16_25_08 (Continued)
Lab Sample ID: 310-313508-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	5.34		1.00	0.230	ug/L	1		8260D	Total/NA
Chlorobenzene	0.614	J	1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.565	J	1.00	0.210	ug/L	1		8260D	Total/NA
Arsenic	0.0782		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.108		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000563		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0238		0.00500	0.00230	mg/L	1		6020B	Total/NA
Zinc	0.0425		0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	49.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-21_25_08
Lab Sample ID: 310-313508-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.660	J	1.00	0.220	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.252	J	1.00	0.210	ug/L	1		8260D	Total/NA
Arsenic	0.00126	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.128		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00111		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0218		0.00500	0.00230	mg/L	1		6020B	Total/NA
Thallium	0.00141		0.00100	0.000570	mg/L	1		6020B	Total/NA
Zinc	0.0541		0.0200	0.0130	mg/L	1		6020B	Total/NA

Client Sample ID: MW-22_25_08
Lab Sample ID: 310-313508-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.84		1.00	0.220	ug/L	1		8260D	Total/NA
1,2-Dichlorobenzene	0.606	J	1.00	0.370	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	1.92		1.00	0.230	ug/L	1		8260D	Total/NA
Acetone	3.65	J	10.0	3.10	ug/L	1		8260D	Total/NA
Chlorobenzene	4.05		1.00	0.400	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.695	J	1.00	0.210	ug/L	1		8260D	Total/NA
Vinyl chloride	0.400	J	1.00	0.180	ug/L	1		8260D	Total/NA
Arsenic	0.0607		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.480		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00255		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0357		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	38.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-23_25_08
Lab Sample ID: 310-313508-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000890	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.113		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000114	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00166		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0199		0.00500	0.00230	mg/L	1		6020B	Total/NA
Thallium	0.00103		0.00100	0.000570	mg/L	1		6020B	Total/NA
Zinc	0.0698		0.0200	0.0130	mg/L	1		6020B	Total/NA

Client Sample ID: MW-37_25_08
Lab Sample ID: 310-313508-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-octyl phthalate	8.50	J	20.0	7.00	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-37_25_08 (Continued) — Lab Sample ID: 310-313508-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000684	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0564		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00146		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00343	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	7.13		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-38_25_08 — Lab Sample ID: 310-313508-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00133	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0457		0.00200	0.000660	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.00		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: VP-3_25_08 — Lab Sample ID: 310-313508-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0397		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.475		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000567		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0121		0.00500	0.00230	mg/L	1		6020B	Total/NA
Sulfide	0.395	J	1.00	0.231	mg/L	1		9034	Total/NA
Total Suspended Solids	22.5		7.50	5.25	mg/L	1		I-3765-85	Total/NA

Client Sample ID: VP-4_25_08 — Lab Sample ID: 310-313508-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00306		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0655		0.00200	0.000660	mg/L	1		6020B	Total/NA
Sulfide	0.442	J	1.00	0.231	mg/L	1		9034	Total/NA
Total Suspended Solids	4.60		3.00	2.10	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-101A_25_08 — Lab Sample ID: 310-313508-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000767	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.122		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000349	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Sulfide	0.363	J	1.00	0.231	mg/L	1		9034	Total/NA

Client Sample ID: MW-101B_25_08 — Lab Sample ID: 310-313508-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000713	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.118		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000180	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Selenium	0.00186	J	0.00500	0.00140	mg/L	1		6020B	Total/NA

Client Sample ID: FD-1_25_08 — Lab Sample ID: 310-313508-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.89		1.00	0.220	ug/L	1		8260D	Total/NA
1,2-Dichlorobenzene	1.35		1.00	0.370	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	10.0		1.00	0.230	ug/L	1		8260D	Total/NA
Acetone	4.84	J	10.0	3.10	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: FD-1_25_08 (Continued)
Lab Sample ID: 310-313508-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.712		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	2.05		1.00	0.400	ug/L	1		8260D	Total/NA
Chloroethane	2.22	J	4.00	0.790	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.668	J	1.00	0.210	ug/L	1		8260D	Total/NA
Arsenic	0.0190		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.990		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000854		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0158		0.00500	0.00230	mg/L	1		6020B	Total/NA
Sulfide	0.379	J	1.00	0.231	mg/L	1		9034	Total/NA
Total Suspended Solids	78.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: FB-1_25_08
Lab Sample ID: 310-313508-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzyl alcohol	5.07	J	10.4	1.35	ug/L	1		8270E	Total/NA

Client Sample ID: TB-1_25_08
Lab Sample ID: 310-313508-20

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: AW-1_25_08

Lab Sample ID: 310-313508-1

Date Collected: 08/14/25 13:45

Matrix: Water

Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 02:15	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 02:15	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 02:15	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 02:15	1
1,1-Dichloroethane	**0.461**	**J**	1.00	0.220	ug/L			08/19/25 02:15	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 02:15	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 02:15	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 02:15	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 02:15	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 02:15	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 02:15	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/19/25 02:15	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 02:15	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 02:15	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 02:15	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 02:15	1
1,4-Dichlorobenzene	**0.486**	**J**	1.00	0.230	ug/L			08/19/25 02:15	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 02:15	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 02:15	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 02:15	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 02:15	1
Acetone	<3.10		10.0	3.10	ug/L			08/19/25 02:15	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 02:15	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 02:15	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 02:15	1
Benzene	<0.220		0.500	0.220	ug/L			08/19/25 02:15	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 02:15	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 02:15	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 02:15	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 02:15	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 02:15	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 02:15	1
Chlorobenzene	**2.92**		1.00	0.400	ug/L			08/19/25 02:15	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 02:15	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 02:15	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 02:15	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 02:15	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 02:15	1
cis-1,2-Dichloroethene	**0.612**	**J**	1.00	0.210	ug/L			08/19/25 02:15	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 02:15	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 02:15	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 02:15	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 02:15	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 02:15	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 02:15	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 02:15	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 02:15	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 02:15	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 02:15	1

Client Sample ID: AW-1_25_08
Lab Sample ID: 310-313508-1
Date Collected: 08/14/25 13:45
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 02:15	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 02:15	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 02:15	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 02:15	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 02:15	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 02:15	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 02:15	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 02:15	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 02:15	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 02:15	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 02:15	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 02:15	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 02:15	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*76 - 130*		*08/19/25 02:15*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/19/25 02:15*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/19/25 02:15*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.563		10.4	0.563	ug/L		08/21/25 14:08	08/28/25 17:29	1
1,3,5-Trinitrobenzene	<2.40		10.4	2.40	ug/L		08/21/25 14:08	08/28/25 17:29	1
1,3-Dinitrobenzene	<3.33		10.4	3.33	ug/L		08/21/25 14:08	08/28/25 17:29	1
1,4-Naphthoquinone	<3.75		10.4	3.75	ug/L		08/21/25 14:08	08/28/25 17:29	1
1,4-phenylenediamine	<1.98	*- *1	10.4	1.98	ug/L		08/21/25 14:08	08/28/25 17:29	1
1-Naphthylamine	<2.60		10.4	2.60	ug/L		08/21/25 14:08	08/28/25 17:29	1
2,3,4,6-Tetrachlorophenol	<5.52		10.4	5.52	ug/L		08/21/25 14:08	08/28/25 17:29	1
2,4,5-Trichlorophenol	<5.52		10.4	5.52	ug/L		08/21/25 14:08	08/28/25 17:29	1
2,4,6-Trichlorophenol	<5.21		10.4	5.21	ug/L		08/21/25 14:08	08/28/25 17:29	1
2,4-Dichlorophenol	<0.885		10.4	0.885	ug/L		08/21/25 14:08	08/28/25 17:29	1
2,4-Dimethylphenol	<0.604		10.4	0.604	ug/L		08/21/25 14:08	08/28/25 17:29	1
2,4-Dinitrophenol	<13.5		20.8	13.5	ug/L		08/21/25 14:08	08/28/25 17:29	1
2,4-Dinitrotoluene	<6.67		10.4	6.67	ug/L		08/21/25 14:08	08/28/25 17:29	1
2,6-Dichlorophenol	<0.719		10.4	0.719	ug/L		08/21/25 14:08	08/28/25 17:29	1
2,6-Dinitrotoluene	<0.542		10.4	0.542	ug/L		08/21/25 14:08	08/28/25 17:29	1
2-Acetylaminofluorene	<2.81		10.4	2.81	ug/L		08/21/25 14:08	08/28/25 17:29	1
2-Chloronaphthalene	<0.667		10.4	0.667	ug/L		08/21/25 14:08	08/28/25 17:29	1
2-Chlorophenol	<0.563		10.4	0.563	ug/L		08/21/25 14:08	08/28/25 17:29	1
2-Methylnaphthalene	<0.615		10.4	0.615	ug/L		08/21/25 14:08	08/28/25 17:29	1
2-Methylphenol	<0.677		10.4	0.677	ug/L		08/21/25 14:08	08/28/25 17:29	1
2-Naphthylamine	<2.19		10.4	2.19	ug/L		08/21/25 14:08	08/28/25 17:29	1
2-Nitroaniline	<6.15		10.4	6.15	ug/L		08/21/25 14:08	08/28/25 17:29	1
2-Nitrophenol	<7.08		10.4	7.08	ug/L		08/21/25 14:08	08/28/25 17:29	1
3,3'-Dichlorobenzidine	<1.46		10.4	1.46	ug/L		08/21/25 14:08	08/28/25 17:29	1
3,3'-Dimethylbenzidine	<1.56		10.4	1.56	ug/L		08/21/25 14:08	08/28/25 17:29	1
3-Methylcholanthrene	<0.333		10.4	0.333	ug/L		08/21/25 14:08	08/28/25 17:29	1
3-Nitroaniline	<2.81		10.4	2.81	ug/L		08/21/25 14:08	08/28/25 17:29	1
4,6-Dinitro-2-methylphenol	<7.19		10.4	7.19	ug/L		08/21/25 14:08	08/28/25 17:29	1

Client Sample ID: AW-1_25_08
Lab Sample ID: 310-313508-1
Date Collected: 08/14/25 13:45
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.29		10.4	2.29	ug/L		08/21/25 14:08	08/28/25 17:29	1
4-Bromophenyl phenyl ether	<0.729		10.4	0.729	ug/L		08/21/25 14:08	08/28/25 17:29	1
4-Chloro-3-methylphenol	<0.875		10.4	0.875	ug/L		08/21/25 14:08	08/28/25 17:29	1
4-Chloroaniline	<0.646		10.4	0.646	ug/L		08/21/25 14:08	08/28/25 17:29	1
4-Chlorophenyl phenyl ether	<0.719		10.4	0.719	ug/L		08/21/25 14:08	08/28/25 17:29	1
Methylphenol, 3 & 4	<0.729		10.4	0.729	ug/L		08/21/25 14:08	08/28/25 17:29	1
4-Nitroaniline	<1.35		10.4	1.35	ug/L		08/21/25 14:08	08/28/25 17:29	1
4-Nitrophenol	<7.92		10.4	7.92	ug/L		08/21/25 14:08	08/28/25 17:29	1
5-Nitro-o-toluidine	<2.92		10.4	2.92	ug/L		08/21/25 14:08	08/28/25 17:29	1
7,12-Dimethylbenz(a)anthracene	<1.98		10.4	1.98	ug/L		08/21/25 14:08	08/28/25 17:29	1
Acenaphthene	<0.667		10.4	0.667	ug/L		08/21/25 14:08	08/28/25 17:29	1
Acenaphthylene	<0.750		10.4	0.750	ug/L		08/21/25 14:08	08/28/25 17:29	1
Acetophenone	<0.719		10.4	0.719	ug/L		08/21/25 14:08	08/28/25 17:29	1
Anthracene	<0.906		10.4	0.906	ug/L		08/21/25 14:08	08/28/25 17:29	1
Benzo[a]anthracene	<0.885		10.4	0.885	ug/L		08/21/25 14:08	08/28/25 17:29	1
Benzo[a]pyrene	<8.44		10.4	8.44	ug/L		08/21/25 14:08	08/28/25 17:29	1
Benzo[b]fluoranthene	<5.10		10.4	5.10	ug/L		08/21/25 14:08	08/28/25 17:29	1
Benzo[g,h,i]perylene	<6.56		10.4	6.56	ug/L		08/21/25 14:08	08/28/25 17:29	1
Benzo[k]fluoranthene	<2.29		10.4	2.29	ug/L		08/21/25 14:08	08/28/25 17:29	1
Benzyl alcohol	<1.35		10.4	1.35	ug/L		08/21/25 14:08	08/28/25 17:29	1
Bis(2-chloroethoxy)methane	<0.792		10.4	0.792	ug/L		08/21/25 14:08	08/28/25 17:29	1
Bis(2-chloroethyl)ether	<0.854		10.4	0.854	ug/L		08/21/25 14:08	08/28/25 17:29	1
2,2'-oxybis[1-chloropropane]	<0.563		10.4	0.563	ug/L		08/21/25 14:08	08/28/25 17:29	1
Bis(2-ethylhexyl) phthalate	<5.73		10.4	5.73	ug/L		08/21/25 14:08	08/28/25 17:29	1
Butyl benzyl phthalate	<5.63		10.4	5.63	ug/L		08/21/25 14:08	08/28/25 17:29	1
Chlorobenzilate	<3.75		10.4	3.75	ug/L		08/21/25 14:08	08/28/25 17:29	1
Chrysene	<0.906		10.4	0.906	ug/L		08/21/25 14:08	08/28/25 17:29	1
Diallate	<4.17		10.4	4.17	ug/L		08/21/25 14:08	08/28/25 17:29	1
Dibenzo(a,h)anthracene	<4.06		10.4	4.06	ug/L		08/21/25 14:08	08/28/25 17:29	1
Dibenzofuran	<0.771		10.4	0.771	ug/L		08/21/25 14:08	08/28/25 17:29	1
Diethyl phthalate	<1.77		10.4	1.77	ug/L		08/21/25 14:08	08/28/25 17:29	1
Dimethoate	<3.75	*+	10.4	3.75	ug/L		08/21/25 14:08	08/28/25 17:29	1
Dimethyl phthalate	<1.04		10.4	1.04	ug/L		08/21/25 14:08	08/28/25 17:29	1
Di-n-butyl phthalate	<5.83		10.4	5.83	ug/L		08/21/25 14:08	08/28/25 17:29	1
Di-n-octyl phthalate	<7.29		20.8	7.29	ug/L		08/21/25 14:08	08/28/25 17:29	1
Dinoseb	<2.50		10.4	2.50	ug/L		08/21/25 14:08	08/28/25 17:29	1
Diphenylamine	<6.25		10.4	6.25	ug/L		08/21/25 14:08	08/28/25 17:29	1
Disulfoton	<2.50	*1	10.4	2.50	ug/L		08/21/25 14:08	08/28/25 17:29	1
Ethyl methanesulfonate	<3.75		10.4	3.75	ug/L		08/21/25 14:08	08/28/25 17:29	1
Ethyl Parathion	<2.29		10.4	2.29	ug/L		08/21/25 14:08	08/28/25 17:29	1
Famphur	<3.96	*+	10.4	3.96	ug/L		08/21/25 14:08	08/28/25 17:29	1
Fluoranthene	<1.77		10.4	1.77	ug/L		08/21/25 14:08	08/28/25 17:29	1
Fluorene	<0.823		10.4	0.823	ug/L		08/21/25 14:08	08/28/25 17:29	1
Hexachlorobenzene	<0.729		10.4	0.729	ug/L		08/21/25 14:08	08/28/25 17:29	1
Hexachlorobutadiene	<0.896		10.4	0.896	ug/L		08/21/25 14:08	08/28/25 17:29	1
Hexachlorocyclopentadiene	<5.31		10.4	5.31	ug/L		08/21/25 14:08	08/28/25 17:29	1
Hexachloroethane	<1.01		10.4	1.01	ug/L		08/21/25 14:08	08/28/25 17:29	1
Hexachloropropene	<2.71		10.4	2.71	ug/L		08/21/25 14:08	08/28/25 17:29	1
Indeno[1,2,3-cd]pyrene	<4.38		10.4	4.38	ug/L		08/21/25 14:08	08/28/25 17:29	1

Client Sample ID: AW-1_25_08
Lab Sample ID: 310-313508-1
Date Collected: 08/14/25 13:45
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.90		10.4	4.90	ug/L		08/21/25 14:08	08/28/25 17:29	1
Isophorone	<0.969		10.4	0.969	ug/L		08/21/25 14:08	08/28/25 17:29	1
Isosafrole	<2.40		10.4	2.40	ug/L		08/21/25 14:08	08/28/25 17:29	1
Kepone	<1.04	*+	10.4	1.04	ug/L		08/21/25 14:08	08/28/25 17:29	1
Methapyrilene	<0.792	*- *1	10.4	0.792	ug/L		08/21/25 14:08	08/28/25 17:29	1
Methyl methanesulfonate	<3.44		10.4	3.44	ug/L		08/21/25 14:08	08/28/25 17:29	1
Methyl parathion	<2.40		10.4	2.40	ug/L		08/21/25 14:08	08/28/25 17:29	1
Nitrobenzene	<0.833		10.4	0.833	ug/L		08/21/25 14:08	08/28/25 17:29	1
N-Nitrosodiethylamine	<3.54		10.4	3.54	ug/L		08/21/25 14:08	08/28/25 17:29	1
N-Nitrosodimethylamine	<0.750		10.4	0.750	ug/L		08/21/25 14:08	08/28/25 17:29	1
N-Nitrosodi-n-butylamine	<4.06		10.4	4.06	ug/L		08/21/25 14:08	08/28/25 17:29	1
N-Nitrosodi-n-propylamine	<0.958		10.4	0.958	ug/L		08/21/25 14:08	08/28/25 17:29	1
N-Nitrosodiphenylamine	<0.781		10.4	0.781	ug/L		08/21/25 14:08	08/28/25 17:29	1
N-Nitrosomethylethylamine	<5.10		10.4	5.10	ug/L		08/21/25 14:08	08/28/25 17:29	1
N-Nitrosopiperidine	<2.81		10.4	2.81	ug/L		08/21/25 14:08	08/28/25 17:29	1
N-Nitrosopyrrolidine	<3.75		10.4	3.75	ug/L		08/21/25 14:08	08/28/25 17:29	1
o,o',o''-Triethylphosphorothioate	<3.33		10.4	3.33	ug/L		08/21/25 14:08	08/28/25 17:29	1
o-Toluidine	<3.02		10.4	3.02	ug/L		08/21/25 14:08	08/28/25 17:29	1
p-Dimethylamino azobenzene	<2.29		10.4	2.29	ug/L		08/21/25 14:08	08/28/25 17:29	1
Pentachlorobenzene	<2.92		10.4	2.92	ug/L		08/21/25 14:08	08/28/25 17:29	1
Pentachloronitrobenzene	<6.04		10.4	6.04	ug/L		08/21/25 14:08	08/28/25 17:29	1
Pentachlorophenol	<10.0		10.4	10.0	ug/L		08/21/25 14:08	08/28/25 17:29	1
Phenacetin	<1.98		10.4	1.98	ug/L		08/21/25 14:08	08/28/25 17:29	1
Phenanthrene	<0.823		10.4	0.823	ug/L		08/21/25 14:08	08/28/25 17:29	1
Phenol	<1.15		10.4	1.15	ug/L		08/21/25 14:08	08/28/25 17:29	1
Phorate	<3.33		10.4	3.33	ug/L		08/21/25 14:08	08/28/25 17:29	1
Pronamide	<2.81		10.4	2.81	ug/L		08/21/25 14:08	08/28/25 17:29	1
Pyrene	<0.823		10.4	0.823	ug/L		08/21/25 14:08	08/28/25 17:29	1
Safrole	<2.92		10.4	2.92	ug/L		08/21/25 14:08	08/28/25 17:29	1
Thionazin	<3.65		10.4	3.65	ug/L		08/21/25 14:08	08/28/25 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*59*		*21 - 110*	*08/21/25 14:08*	*08/28/25 17:29*	*1*
Phenol-d5 (Surr)	*46*		*21 - 110*	*08/21/25 14:08*	*08/28/25 17:29*	*1*
Nitrobenzene-d5 (Surr)	*79*		*39 - 140*	*08/21/25 14:08*	*08/28/25 17:29*	*1*
2-Fluorobiphenyl (Surr)	*74*		*33 - 126*	*08/21/25 14:08*	*08/28/25 17:29*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*20 - 144*	*08/21/25 14:08*	*08/28/25 17:29*	*1*
Terphenyl-d14 (Surr)	*109*		*13 - 150*	*08/21/25 14:08*	*08/28/25 17:29*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60	F1 F2	10.0	2.60	mg/L			08/19/25 18:21	1
Isobutanol	<2.40	F1 F2	10.0	2.40	mg/L			08/19/25 18:21	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0225		0.0900	0.0225	ug/L		08/19/25 09:56	08/22/25 11:20	1
4,4'-DDE	<0.0270		0.0900	0.0270	ug/L		08/19/25 09:56	08/22/25 11:20	1
4,4'-DDT	<0.0180		0.0900	0.0180	ug/L		08/19/25 09:56	08/22/25 11:20	1
Aldrin	<0.0198		0.0900	0.0198	ug/L		08/19/25 09:56	08/22/25 11:20	1

Client Sample ID: AW-1_25_08
Lab Sample ID: 310-313508-1
Date Collected: 08/14/25 13:45
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00900		0.0900	0.00900	ug/L		08/19/25 09:56	08/22/25 11:20	1
beta-BHC	<0.0378		0.0900	0.0378	ug/L		08/19/25 09:56	08/22/25 11:20	1
Chlordane (technical)	<0.351		1.80	0.351	ug/L		08/19/25 09:56	08/22/25 11:20	1
delta-BHC	<0.0288		0.0900	0.0288	ug/L		08/19/25 09:56	08/22/25 11:20	1
Dieldrin	<0.0189		0.0900	0.0189	ug/L		08/19/25 09:56	08/22/25 11:20	1
Endosulfan I	<0.0252		0.0900	0.0252	ug/L		08/19/25 09:56	08/22/25 11:20	1
Endosulfan II	<0.0234		0.0900	0.0234	ug/L		08/19/25 09:56	08/22/25 11:20	1
Endosulfan sulfate	<0.0162		0.0900	0.0162	ug/L		08/19/25 09:56	08/22/25 11:20	1
Endrin	<0.0252		0.0900	0.0252	ug/L		08/19/25 09:56	08/22/25 11:20	1
Endrin aldehyde	<0.0243		0.0900	0.0243	ug/L		08/19/25 09:56	08/22/25 11:20	1
gamma-BHC (Lindane)	<0.00900		0.0900	0.00900	ug/L		08/19/25 09:56	08/22/25 11:20	1
Heptachlor	<0.0207		0.0900	0.0207	ug/L		08/19/25 09:56	08/22/25 11:20	1
Heptachlor epoxide	<0.0288		0.0900	0.0288	ug/L		08/19/25 09:56	08/22/25 11:20	1
Methoxychlor	<0.0288		0.0900	0.0288	ug/L		08/19/25 09:56	08/22/25 11:20	1
Toxaphene	<0.900		1.80	0.900	ug/L		08/19/25 09:56	08/22/25 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*65*		*10 - 150*	*08/19/25 09:56*	*08/22/25 11:20*	*1*
Tetrachloro-m-xylene	*56*		*17 - 150*	*08/19/25 09:56*	*08/22/25 11:20*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.738		1.80	0.738	ug/L		08/19/25 09:56	08/22/25 11:20	1
PCB-1221	<0.738		1.80	0.738	ug/L		08/19/25 09:56	08/22/25 11:20	1
PCB-1232	<0.738		1.80	0.738	ug/L		08/19/25 09:56	08/22/25 11:20	1
PCB-1242	<0.738		1.80	0.738	ug/L		08/19/25 09:56	08/22/25 11:20	1
PCB-1248	<0.621		1.80	0.621	ug/L		08/19/25 09:56	08/22/25 11:20	1
PCB-1254	<0.621		1.80	0.621	ug/L		08/19/25 09:56	08/22/25 11:20	1
PCB-1260	<0.621		1.80	0.621	ug/L		08/19/25 09:56	08/22/25 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*10 - 150*	*08/19/25 09:56*	*08/22/25 11:20*	*1*
Tetrachloro-m-xylene	*57*		*17 - 150*	*08/19/25 09:56*	*08/22/25 11:20*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.130	*1	1.03	0.130	ug/L		08/20/25 07:38	08/20/25 18:23	1
Silvex (2,4,5-TP)	<0.108	*+	1.03	0.108	ug/L		08/20/25 07:38	08/20/25 18:23	1
2,4,5-T	<0.144	*+ *1	1.03	0.144	ug/L		08/20/25 07:38	08/20/25 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*95*		*25 - 130*	*08/20/25 07:38*	*08/20/25 18:23*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/26/25 13:33	1
Arsenic	**0.0354**		0.00200	0.000530	mg/L		08/20/25 09:00	08/26/25 13:33	1
Barium	**0.114**		0.00200	0.000660	mg/L		08/20/25 09:00	08/26/25 13:33	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/26/25 13:33	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/26/25 13:33	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/26/25 13:33	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: AW-1_25_08
Lab Sample ID: 310-313508-1

Date Collected: 08/14/25 13:45
Matrix: Water

Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00158**		0.000500	0.000170	mg/L		08/20/25 09:00	08/26/25 13:33	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/26/25 13:33	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/26/25 13:33	1
Nickel	**0.0275**		0.00500	0.00230	mg/L		08/20/25 09:00	08/26/25 13:33	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/26/25 13:33	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/26/25 13:33	1
Thallium	**0.00143**		0.00100	0.000570	mg/L		08/20/25 09:00	08/26/25 13:33	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/26/25 13:33	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/26/25 13:33	1
Zinc	**0.0156**	**J**	0.0200	0.0130	mg/L		08/20/25 09:00	08/26/25 13:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 10:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/20/25 09:10	08/22/25 18:54	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/20/25 16:28	08/20/25 17:01	1
Total Suspended Solids (USGS I-3765-85)	**29.0**		7.50	5.25	mg/L			08/19/25 11:38	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: AW-2_25_08
Lab Sample ID: 310-313508-2
Date Collected: 08/13/25 15:50
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 02:37	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 02:37	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 02:37	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 02:37	1
1,1-Dichloroethane	**1.18**		1.00	0.220	ug/L			08/19/25 02:37	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 02:37	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 02:37	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 02:37	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 02:37	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 02:37	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 02:37	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/19/25 02:37	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 02:37	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 02:37	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 02:37	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 02:37	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/19/25 02:37	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 02:37	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 02:37	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 02:37	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 02:37	1
Acetone	<3.10		10.0	3.10	ug/L			08/19/25 02:37	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 02:37	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 02:37	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 02:37	1
Benzene	<0.220		0.500	0.220	ug/L			08/19/25 02:37	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 02:37	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 02:37	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 02:37	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 02:37	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 02:37	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 02:37	1
Chlorobenzene	**1.70**		1.00	0.400	ug/L			08/19/25 02:37	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 02:37	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 02:37	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 02:37	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 02:37	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 02:37	1
cis-1,2-Dichloroethene	**2.57**		1.00	0.210	ug/L			08/19/25 02:37	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 02:37	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 02:37	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 02:37	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 02:37	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 02:37	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 02:37	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 02:37	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 02:37	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 02:37	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 02:37	1

Client Sample ID: AW-2_25_08
Lab Sample ID: 310-313508-2
Date Collected: 08/13/25 15:50
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 02:37	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 02:37	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 02:37	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 02:37	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 02:37	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 02:37	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 02:37	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 02:37	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 02:37	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 02:37	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 02:37	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 02:37	1
Vinyl chloride	**0.422**	**J**	1.00	0.180	ug/L			08/19/25 02:37	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*76 - 130*		*08/19/25 02:37*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/19/25 02:37*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/19/25 02:37*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.574	*3	10.6	0.574	ug/L		08/19/25 10:19	08/20/25 19:55	1
1,3,5-Trinitrobenzene	<2.45		10.6	2.45	ug/L		08/19/25 10:19	08/26/25 01:46	1
1,3-Dinitrobenzene	<3.40		10.6	3.40	ug/L		08/19/25 10:19	08/20/25 19:55	1
1,4-Naphthoquinone	<3.83	*1	10.6	3.83	ug/L		08/19/25 10:19	08/26/25 01:46	1
1,4-phenylenediamine	<2.02	*-	10.6	2.02	ug/L		08/19/25 10:19	08/26/25 01:46	1
1-Naphthylamine	<2.66		10.6	2.66	ug/L		08/19/25 10:19	08/26/25 01:46	1
2,3,4,6-Tetrachlorophenol	<5.64		10.6	5.64	ug/L		08/19/25 10:19	08/20/25 19:55	1
2,4,5-Trichlorophenol	<5.64		10.6	5.64	ug/L		08/19/25 10:19	08/20/25 19:55	1
2,4,6-Trichlorophenol	<5.32		10.6	5.32	ug/L		08/19/25 10:19	08/20/25 19:55	1
2,4-Dichlorophenol	<0.904	*3	10.6	0.904	ug/L		08/19/25 10:19	08/20/25 19:55	1
2,4-Dimethylphenol	<0.617	*3	10.6	0.617	ug/L		08/19/25 10:19	08/20/25 19:55	1
2,4-Dinitrophenol	<13.8	*1	21.3	13.8	ug/L		08/19/25 10:19	08/20/25 19:55	1
2,4-Dinitrotoluene	<6.81		10.6	6.81	ug/L		08/19/25 10:19	08/20/25 19:55	1
2,6-Dichlorophenol	<0.734	*3	10.6	0.734	ug/L		08/19/25 10:19	08/20/25 19:55	1
2,6-Dinitrotoluene	<0.553		10.6	0.553	ug/L		08/19/25 10:19	08/20/25 19:55	1
2-Acetylaminofluorene	<2.87	*1	10.6	2.87	ug/L		08/19/25 10:19	08/26/25 01:46	1
2-Chloronaphthalene	<0.681		10.6	0.681	ug/L		08/19/25 10:19	08/20/25 19:55	1
2-Chlorophenol	<0.574	*3	10.6	0.574	ug/L		08/19/25 10:19	08/20/25 19:55	1
2-Methylnaphthalene	<0.628	*3	10.6	0.628	ug/L		08/19/25 10:19	08/20/25 19:55	1
2-Methylphenol	<0.691	*3	10.6	0.691	ug/L		08/19/25 10:19	08/20/25 19:55	1
2-Naphthylamine	<2.23	*1	10.6	2.23	ug/L		08/19/25 10:19	08/26/25 01:46	1
2-Nitroaniline	<6.28		10.6	6.28	ug/L		08/19/25 10:19	08/20/25 19:55	1
2-Nitrophenol	<7.23	*3	10.6	7.23	ug/L		08/19/25 10:19	08/20/25 19:55	1
3,3'-Dichlorobenzidine	<1.49		10.6	1.49	ug/L		08/19/25 10:19	08/20/25 19:55	1
3,3'-Dimethylbenzidine	<1.60	*- *1	10.6	1.60	ug/L		08/19/25 10:19	08/26/25 01:46	1
3-Methylcholanthrene	<0.340		10.6	0.340	ug/L		08/19/25 10:19	08/26/25 01:46	1
3-Nitroaniline	<2.87		10.6	2.87	ug/L		08/19/25 10:19	08/20/25 19:55	1
4,6-Dinitro-2-methylphenol	<7.34		10.6	7.34	ug/L		08/19/25 10:19	08/20/25 19:55	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: AW-2_25_08
Lab Sample ID: 310-313508-2
Date Collected: 08/13/25 15:50
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.34	*- *1	10.6	2.34	ug/L		08/19/25 10:19	08/26/25 01:46	1
4-Bromophenyl phenyl ether	<0.745		10.6	0.745	ug/L		08/19/25 10:19	08/20/25 19:55	1
4-Chloro-3-methylphenol	<0.894	*3	10.6	0.894	ug/L		08/19/25 10:19	08/20/25 19:55	1
4-Chloroaniline	<0.660	*3 *1	10.6	0.660	ug/L		08/19/25 10:19	08/20/25 19:55	1
4-Chlorophenyl phenyl ether	<0.734		10.6	0.734	ug/L		08/19/25 10:19	08/20/25 19:55	1
Methylphenol, 3 & 4	<0.745	*3	10.6	0.745	ug/L		08/19/25 10:19	08/20/25 19:55	1
4-Nitroaniline	<1.38		10.6	1.38	ug/L		08/19/25 10:19	08/20/25 19:55	1
4-Nitrophenol	<8.09		10.6	8.09	ug/L		08/19/25 10:19	08/20/25 19:55	1
5-Nitro-o-toluidine	<2.98	*1	10.6	2.98	ug/L		08/19/25 10:19	08/26/25 01:46	1
7,12-Dimethylbenz(a)anthracene	<2.02	*1	10.6	2.02	ug/L		08/19/25 10:19	08/26/25 01:46	1
Acenaphthene	<0.681		10.6	0.681	ug/L		08/19/25 10:19	08/20/25 19:55	1
Acenaphthylene	<0.766		10.6	0.766	ug/L		08/19/25 10:19	08/20/25 19:55	1
Acetophenone	<0.734	*3	10.6	0.734	ug/L		08/19/25 10:19	08/20/25 19:55	1
Anthracene	<0.926		10.6	0.926	ug/L		08/19/25 10:19	08/20/25 19:55	1
Benzo[a]anthracene	<0.904		10.6	0.904	ug/L		08/19/25 10:19	08/20/25 19:55	1
Benzo[a]pyrene	<8.62		10.6	8.62	ug/L		08/19/25 10:19	08/20/25 19:55	1
Benzo[b]fluoranthene	<5.21		10.6	5.21	ug/L		08/19/25 10:19	08/20/25 19:55	1
Benzo[g,h,i]perylene	<6.70		10.6	6.70	ug/L		08/19/25 10:19	08/20/25 19:55	1
Benzo[k]fluoranthene	<2.34		10.6	2.34	ug/L		08/19/25 10:19	08/20/25 19:55	1
Benzyl alcohol	<1.38	*3	10.6	1.38	ug/L		08/19/25 10:19	08/20/25 19:55	1
Bis(2-chloroethoxy)methane	<0.809	*3	10.6	0.809	ug/L		08/19/25 10:19	08/20/25 19:55	1
Bis(2-chloroethyl)ether	<0.872	*3	10.6	0.872	ug/L		08/19/25 10:19	08/20/25 19:55	1
2,2'-oxybis[1-chloropropane]	<0.574	*3	10.6	0.574	ug/L		08/19/25 10:19	08/20/25 19:55	1
Bis(2-ethylhexyl) phthalate	**6.57**	**J**	10.6	5.85	ug/L		08/19/25 10:19	08/20/25 19:55	1
Butyl benzyl phthalate	<5.74		10.6	5.74	ug/L		08/19/25 10:19	08/20/25 19:55	1
Chlorobenzilate	<3.83		10.6	3.83	ug/L		08/19/25 10:19	08/26/25 01:46	1
Chrysene	<0.926		10.6	0.926	ug/L		08/19/25 10:19	08/20/25 19:55	1
Diallate	<4.26	*1	10.6	4.26	ug/L		08/19/25 10:19	08/26/25 01:46	1
Dibenzo(a,h)anthracene	<4.15		10.6	4.15	ug/L		08/19/25 10:19	08/20/25 19:55	1
Dibenzofuran	<0.787		10.6	0.787	ug/L		08/19/25 10:19	08/20/25 19:55	1
Diethyl phthalate	<1.81		10.6	1.81	ug/L		08/19/25 10:19	08/20/25 19:55	1
Dimethoate	<3.83		10.6	3.83	ug/L		08/19/25 10:19	08/26/25 01:46	1
Dimethyl phthalate	<1.06		10.6	1.06	ug/L		08/19/25 10:19	08/20/25 19:55	1
Di-n-butyl phthalate	<5.96		10.6	5.96	ug/L		08/19/25 10:19	08/20/25 19:55	1
Di-n-octyl phthalate	**9.79**	**J**	21.3	7.45	ug/L		08/19/25 10:19	08/20/25 19:55	1
Dinoseb	<2.55		10.6	2.55	ug/L		08/19/25 10:19	08/26/25 01:46	1
Diphenylamine	<6.38		10.6	6.38	ug/L		08/19/25 10:19	08/20/25 19:55	1
Disulfoton	<2.55		10.6	2.55	ug/L		08/19/25 10:19	08/26/25 01:46	1
Ethyl methanesulfonate	<3.83	*1	10.6	3.83	ug/L		08/19/25 10:19	08/26/25 01:46	1
Ethyl Parathion	<2.34		10.6	2.34	ug/L		08/19/25 10:19	08/26/25 01:46	1
Famphur	<4.04		10.6	4.04	ug/L		08/19/25 10:19	08/26/25 01:46	1
Fluoranthene	<1.81		10.6	1.81	ug/L		08/19/25 10:19	08/20/25 19:55	1
Fluorene	<0.840		10.6	0.840	ug/L		08/19/25 10:19	08/20/25 19:55	1
Hexachlorobenzene	<0.745		10.6	0.745	ug/L		08/19/25 10:19	08/20/25 19:55	1
Hexachlorobutadiene	<0.915	*3	10.6	0.915	ug/L		08/19/25 10:19	08/20/25 19:55	1
Hexachlorocyclopentadiene	<5.43		10.6	5.43	ug/L		08/19/25 10:19	08/20/25 19:55	1
Hexachloroethane	<1.03	*3	10.6	1.03	ug/L		08/19/25 10:19	08/20/25 19:55	1
Hexachloropropene	<2.77		10.6	2.77	ug/L		08/19/25 10:19	08/26/25 01:46	1
Indeno[1,2,3-cd]pyrene	<4.47		10.6	4.47	ug/L		08/19/25 10:19	08/20/25 19:55	1

Client Sample ID: AW-2_25_08
Lab Sample ID: 310-313508-2
Date Collected: 08/13/25 15:50
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<5.00	*1	10.6	5.00	ug/L		08/19/25 10:19	08/26/25 01:46	1
Isophorone	<0.989	*3	10.6	0.989	ug/L		08/19/25 10:19	08/20/25 19:55	1
Isosafrole	<2.45	*1	10.6	2.45	ug/L		08/19/25 10:19	08/26/25 01:46	1
Kepone	<1.06		10.6	1.06	ug/L		08/19/25 10:19	08/26/25 01:46	1
Methapyrilene	<0.809	*-	10.6	0.809	ug/L		08/19/25 10:19	08/26/25 01:46	1
Methyl methanesulfonate	<3.51	*1	10.6	3.51	ug/L		08/19/25 10:19	08/26/25 01:46	1
Methyl parathion	<2.45	*1	10.6	2.45	ug/L		08/19/25 10:19	08/26/25 01:46	1
Nitrobenzene	<0.851	*3	10.6	0.851	ug/L		08/19/25 10:19	08/20/25 19:55	1
N-Nitrosodiethylamine	<3.62		10.6	3.62	ug/L		08/19/25 10:19	08/26/25 01:46	1
N-Nitrosodimethylamine	<0.766	*3	10.6	0.766	ug/L		08/19/25 10:19	08/20/25 19:55	1
N-Nitrosodi-n-butylamine	<4.15	*1	10.6	4.15	ug/L		08/19/25 10:19	08/26/25 01:46	1
N-Nitrosodi-n-propylamine	<0.979	*3	10.6	0.979	ug/L		08/19/25 10:19	08/20/25 19:55	1
N-Nitrosodiphenylamine	<0.798		10.6	0.798	ug/L		08/19/25 10:19	08/20/25 19:55	1
N-Nitrosomethylethylamine	<5.21	*1	10.6	5.21	ug/L		08/19/25 10:19	08/26/25 01:46	1
N-Nitrosopiperidine	<2.87	*1	10.6	2.87	ug/L		08/19/25 10:19	08/26/25 01:46	1
N-Nitrosopyrrolidine	<3.83		10.6	3.83	ug/L		08/19/25 10:19	08/26/25 01:46	1
o,o',o''-Triethylphosphorothioate	<3.40		10.6	3.40	ug/L		08/19/25 10:19	08/26/25 01:46	1
o-Toluidine	<3.09	*1	10.6	3.09	ug/L		08/19/25 10:19	08/26/25 01:46	1
p-Dimethylamino azobenzene	<2.34	*1	10.6	2.34	ug/L		08/19/25 10:19	08/26/25 01:46	1
Pentachlorobenzene	<2.98		10.6	2.98	ug/L		08/19/25 10:19	08/26/25 01:46	1
Pentachloronitrobenzene	<6.17		10.6	6.17	ug/L		08/19/25 10:19	08/26/25 01:46	1
Pentachlorophenol	<10.2		10.6	10.2	ug/L		08/19/25 10:19	08/20/25 19:55	1
Phenacetin	<2.02		10.6	2.02	ug/L		08/19/25 10:19	08/26/25 01:46	1
Phenanthrene	<0.840		10.6	0.840	ug/L		08/19/25 10:19	08/20/25 19:55	1
Phenol	<1.17	*3	10.6	1.17	ug/L		08/19/25 10:19	08/20/25 19:55	1
Phorate	<3.40		10.6	3.40	ug/L		08/19/25 10:19	08/26/25 01:46	1
Pronamide	<2.87		10.6	2.87	ug/L		08/19/25 10:19	08/26/25 01:46	1
Pyrene	<0.840		10.6	0.840	ug/L		08/19/25 10:19	08/20/25 19:55	1
Safrole	<2.98	*1	10.6	2.98	ug/L		08/19/25 10:19	08/26/25 01:46	1
Thionazin	<3.72	*1	10.6	3.72	ug/L		08/19/25 10:19	08/26/25 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*63*	*3*	*21 - 110*	*08/19/25 10:19*	*08/20/25 19:55*	*1*
Phenol-d5 (Surr)	*51*	*3*	*21 - 110*	*08/19/25 10:19*	*08/20/25 19:55*	*1*
Nitrobenzene-d5 (Surr)	*83*	*3*	*39 - 140*	*08/19/25 10:19*	*08/20/25 19:55*	*1*
2-Fluorobiphenyl (Surr)	*70*		*33 - 126*	*08/19/25 10:19*	*08/20/25 19:55*	*1*
2,4,6-Tribromophenol (Surr)	*96*		*20 - 144*	*08/19/25 10:19*	*08/20/25 19:55*	*1*
Terphenyl-d14 (Surr)	*88*		*13 - 150*	*08/19/25 10:19*	*08/20/25 19:55*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/19/25 19:02	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/19/25 19:02	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0226		0.0902	0.0226	ug/L		08/19/25 09:56	08/22/25 11:33	1
4,4'-DDE	<0.0271		0.0902	0.0271	ug/L		08/19/25 09:56	08/22/25 11:33	1
4,4'-DDT	<0.0180		0.0902	0.0180	ug/L		08/19/25 09:56	08/22/25 11:33	1
Aldrin	<0.0198		0.0902	0.0198	ug/L		08/19/25 09:56	08/22/25 11:33	1

Client Sample ID: AW-2_25_08
Lab Sample ID: 310-313508-2
Date Collected: 08/13/25 15:50
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Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00902		0.0902	0.00902	ug/L		08/19/25 09:56	08/22/25 11:33	1
beta-BHC	<0.0379		0.0902	0.0379	ug/L		08/19/25 09:56	08/22/25 11:33	1
Chlordane (technical)	<0.352		1.80	0.352	ug/L		08/19/25 09:56	08/22/25 11:33	1
delta-BHC	<0.0289		0.0902	0.0289	ug/L		08/19/25 09:56	08/22/25 11:33	1
Dieldrin	<0.0189		0.0902	0.0189	ug/L		08/19/25 09:56	08/22/25 11:33	1
Endosulfan I	<0.0253		0.0902	0.0253	ug/L		08/19/25 09:56	08/22/25 11:33	1
Endosulfan II	<0.0235		0.0902	0.0235	ug/L		08/19/25 09:56	08/22/25 11:33	1
Endosulfan sulfate	<0.0162		0.0902	0.0162	ug/L		08/19/25 09:56	08/22/25 11:33	1
Endrin	<0.0253		0.0902	0.0253	ug/L		08/19/25 09:56	08/22/25 11:33	1
Endrin aldehyde	<0.0244		0.0902	0.0244	ug/L		08/19/25 09:56	08/22/25 11:33	1
gamma-BHC (Lindane)	<0.00902		0.0902	0.00902	ug/L		08/19/25 09:56	08/22/25 11:33	1
Heptachlor	<0.0207		0.0902	0.0207	ug/L		08/19/25 09:56	08/22/25 11:33	1
Heptachlor epoxide	<0.0289		0.0902	0.0289	ug/L		08/19/25 09:56	08/22/25 11:33	1
Methoxychlor	<0.0289		0.0902	0.0289	ug/L		08/19/25 09:56	08/22/25 11:33	1
Toxaphene	<0.902		1.80	0.902	ug/L		08/19/25 09:56	08/22/25 11:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*65*		*10 - 150*	*08/19/25 09:56*	*08/22/25 11:33*	*1*
Tetrachloro-m-xylene	*49*		*17 - 150*	*08/19/25 09:56*	*08/22/25 11:33*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.740		1.80	0.740	ug/L		08/19/25 09:56	08/22/25 11:33	1
PCB-1221	<0.740		1.80	0.740	ug/L		08/19/25 09:56	08/22/25 11:33	1
PCB-1232	<0.740		1.80	0.740	ug/L		08/19/25 09:56	08/22/25 11:33	1
PCB-1242	<0.740		1.80	0.740	ug/L		08/19/25 09:56	08/22/25 11:33	1
PCB-1248	<0.622		1.80	0.622	ug/L		08/19/25 09:56	08/22/25 11:33	1
PCB-1254	<0.622		1.80	0.622	ug/L		08/19/25 09:56	08/22/25 11:33	1
PCB-1260	<0.622		1.80	0.622	ug/L		08/19/25 09:56	08/22/25 11:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*10 - 150*	*08/19/25 09:56*	*08/22/25 11:33*	*1*
Tetrachloro-m-xylene	*50*		*17 - 150*	*08/19/25 09:56*	*08/22/25 11:33*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.131	*1	1.04	0.131	ug/L		08/20/25 07:38	08/20/25 18:41	1
Silvex (2,4,5-TP)	<0.109	*+	1.04	0.109	ug/L		08/20/25 07:38	08/20/25 18:41	1
2,4,5-T	<0.146	*+ *1	1.04	0.146	ug/L		08/20/25 07:38	08/20/25 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*85*		*25 - 130*	*08/20/25 07:38*	*08/20/25 18:41*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/26/25 13:43	1
Arsenic	**0.0175**		0.00200	0.000530	mg/L		08/20/25 09:00	08/26/25 13:43	1
Barium	**0.461**		0.00200	0.000660	mg/L		08/20/25 09:00	08/26/25 13:43	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/26/25 13:43	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/26/25 13:43	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/26/25 13:43	1

Client Sample ID: AW-2_25_08
Lab Sample ID: 310-313508-2
Date Collected: 08/13/25 15:50
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00183**		0.000500	0.000170	mg/L		08/20/25 09:00	08/26/25 13:43	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/26/25 13:43	1
Lead	**0.000806**		0.000500	0.000330	mg/L		08/20/25 09:00	08/26/25 13:43	1
Nickel	**0.0154**		0.00500	0.00230	mg/L		08/20/25 09:00	08/26/25 13:43	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/26/25 13:43	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/26/25 13:43	1
Thallium	**0.00365**		0.00100	0.000570	mg/L		08/20/25 09:00	08/26/25 13:43	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/26/25 13:43	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/26/25 13:43	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/20/25 09:00	08/26/25 13:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/20/25 09:10	08/22/25 18:57	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/20/25 16:21	08/20/25 16:44	1
Total Suspended Solids (USGS I-3765-85)	**10.6**		3.00	2.10	mg/L			08/19/25 10:41	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: AW-3_25_08

Lab Sample ID: 310-313508-3
Date Collected: 08/13/25 18:25
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 02:59	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 02:59	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 02:59	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 02:59	1
1,1-Dichloroethane	**0.221**	**J**	1.00	0.220	ug/L			08/19/25 02:59	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 02:59	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 02:59	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 02:59	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 02:59	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 02:59	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 02:59	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/19/25 02:59	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 02:59	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 02:59	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 02:59	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 02:59	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/19/25 02:59	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 02:59	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 02:59	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 02:59	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 02:59	1
Acetone	<3.10		10.0	3.10	ug/L			08/19/25 02:59	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 02:59	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 02:59	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 02:59	1
Benzene	<0.220		0.500	0.220	ug/L			08/19/25 02:59	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 02:59	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 02:59	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 02:59	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 02:59	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 02:59	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 02:59	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/19/25 02:59	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 02:59	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 02:59	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 02:59	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 02:59	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 02:59	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/19/25 02:59	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 02:59	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 02:59	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 02:59	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 02:59	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 02:59	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 02:59	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 02:59	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 02:59	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 02:59	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 02:59	1

Client Sample ID: AW-3_25_08
Lab Sample ID: 310-313508-3
Date Collected: 08/13/25 18:25
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 02:59	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 02:59	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 02:59	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 02:59	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 02:59	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 02:59	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 02:59	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 02:59	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 02:59	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 02:59	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 02:59	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 02:59	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 02:59	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*76 - 130*		*08/19/25 02:59*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/19/25 02:59*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*08/19/25 02:59*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.587		10.9	0.587	ug/L		08/19/25 10:19	08/20/25 20:25	1
1,3,5-Trinitrobenzene	<2.50		10.9	2.50	ug/L		08/19/25 10:19	08/26/25 02:12	1
1,3-Dinitrobenzene	<3.48		10.9	3.48	ug/L		08/19/25 10:19	08/20/25 20:25	1
1,4-Naphthoquinone	<3.91	*1	10.9	3.91	ug/L		08/19/25 10:19	08/26/25 02:12	1
1,4-phenylenediamine	<2.07	*-	10.9	2.07	ug/L		08/19/25 10:19	08/26/25 02:12	1
1-Naphthylamine	<2.72		10.9	2.72	ug/L		08/19/25 10:19	08/26/25 02:12	1
2,3,4,6-Tetrachlorophenol	<5.76		10.9	5.76	ug/L		08/19/25 10:19	08/20/25 20:25	1
2,4,5-Trichlorophenol	<5.76		10.9	5.76	ug/L		08/19/25 10:19	08/20/25 20:25	1
2,4,6-Trichlorophenol	<5.43		10.9	5.43	ug/L		08/19/25 10:19	08/20/25 20:25	1
2,4-Dichlorophenol	<0.924		10.9	0.924	ug/L		08/19/25 10:19	08/20/25 20:25	1
2,4-Dimethylphenol	<0.630		10.9	0.630	ug/L		08/19/25 10:19	08/20/25 20:25	1
2,4-Dinitrophenol	<14.1	*1	21.7	14.1	ug/L		08/19/25 10:19	08/20/25 20:25	1
2,4-Dinitrotoluene	<6.96		10.9	6.96	ug/L		08/19/25 10:19	08/20/25 20:25	1
2,6-Dichlorophenol	<0.750		10.9	0.750	ug/L		08/19/25 10:19	08/20/25 20:25	1
2,6-Dinitrotoluene	<0.565		10.9	0.565	ug/L		08/19/25 10:19	08/20/25 20:25	1
2-Acetylaminofluorene	<2.93	*1	10.9	2.93	ug/L		08/19/25 10:19	08/26/25 02:12	1
2-Chloronaphthalene	<0.696		10.9	0.696	ug/L		08/19/25 10:19	08/20/25 20:25	1
2-Chlorophenol	<0.587	*3	10.9	0.587	ug/L		08/19/25 10:19	08/20/25 20:25	1
2-Methylnaphthalene	<0.641		10.9	0.641	ug/L		08/19/25 10:19	08/20/25 20:25	1
2-Methylphenol	<0.707	*3	10.9	0.707	ug/L		08/19/25 10:19	08/20/25 20:25	1
2-Naphthylamine	<2.28	*1	10.9	2.28	ug/L		08/19/25 10:19	08/26/25 02:12	1
2-Nitroaniline	<6.41		10.9	6.41	ug/L		08/19/25 10:19	08/20/25 20:25	1
2-Nitrophenol	<7.39		10.9	7.39	ug/L		08/19/25 10:19	08/20/25 20:25	1
3,3'-Dichlorobenzidine	<1.52		10.9	1.52	ug/L		08/19/25 10:19	08/20/25 20:25	1
3,3'-Dimethylbenzidine	<1.63	*- *1	10.9	1.63	ug/L		08/19/25 10:19	08/26/25 02:12	1
3-Methylcholanthrene	<0.348		10.9	0.348	ug/L		08/19/25 10:19	08/26/25 02:12	1
3-Nitroaniline	<2.93		10.9	2.93	ug/L		08/19/25 10:19	08/20/25 20:25	1
4,6-Dinitro-2-methylphenol	<7.50		10.9	7.50	ug/L		08/19/25 10:19	08/20/25 20:25	1

Client Sample ID: AW-3_25_08
Lab Sample ID: 310-313508-3
Date Collected: 08/13/25 18:25
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.39	*- *1	10.9	2.39	ug/L		08/19/25 10:19	08/26/25 02:12	1
4-Bromophenyl phenyl ether	<0.761		10.9	0.761	ug/L		08/19/25 10:19	08/20/25 20:25	1
4-Chloro-3-methylphenol	<0.913		10.9	0.913	ug/L		08/19/25 10:19	08/20/25 20:25	1
4-Chloroaniline	<0.674	*1	10.9	0.674	ug/L		08/19/25 10:19	08/20/25 20:25	1
4-Chlorophenyl phenyl ether	<0.750		10.9	0.750	ug/L		08/19/25 10:19	08/20/25 20:25	1
Methylphenol, 3 & 4	<0.761	*3	10.9	0.761	ug/L		08/19/25 10:19	08/20/25 20:25	1
4-Nitroaniline	<1.41		10.9	1.41	ug/L		08/19/25 10:19	08/20/25 20:25	1
4-Nitrophenol	<8.26		10.9	8.26	ug/L		08/19/25 10:19	08/20/25 20:25	1
5-Nitro-o-toluidine	<3.04	*1	10.9	3.04	ug/L		08/19/25 10:19	08/26/25 02:12	1
7,12-Dimethylbenz(a)anthracene	<2.07	*1	10.9	2.07	ug/L		08/19/25 10:19	08/26/25 02:12	1
Acenaphthene	<0.696		10.9	0.696	ug/L		08/19/25 10:19	08/20/25 20:25	1
Acenaphthylene	<0.783		10.9	0.783	ug/L		08/19/25 10:19	08/20/25 20:25	1
Acetophenone	<0.750	*3	10.9	0.750	ug/L		08/19/25 10:19	08/20/25 20:25	1
Anthracene	<0.946		10.9	0.946	ug/L		08/19/25 10:19	08/20/25 20:25	1
Benzo[a]anthracene	<0.924		10.9	0.924	ug/L		08/19/25 10:19	08/20/25 20:25	1
Benzo[a]pyrene	<8.80		10.9	8.80	ug/L		08/19/25 10:19	08/20/25 20:25	1
Benzo[b]fluoranthene	<5.33		10.9	5.33	ug/L		08/19/25 10:19	08/20/25 20:25	1
Benzo[g,h,i]perylene	<6.85		10.9	6.85	ug/L		08/19/25 10:19	08/20/25 20:25	1
Benzo[k]fluoranthene	<2.39		10.9	2.39	ug/L		08/19/25 10:19	08/20/25 20:25	1
Benzyl alcohol	<1.41	*3	10.9	1.41	ug/L		08/19/25 10:19	08/20/25 20:25	1
Bis(2-chloroethoxy)methane	<0.826		10.9	0.826	ug/L		08/19/25 10:19	08/20/25 20:25	1
Bis(2-chloroethyl)ether	<0.891	*3	10.9	0.891	ug/L		08/19/25 10:19	08/20/25 20:25	1
2,2'-oxybis[1-chloropropane]	<0.587	*3	10.9	0.587	ug/L		08/19/25 10:19	08/20/25 20:25	1
Bis(2-ethylhexyl) phthalate	<5.98		10.9	5.98	ug/L		08/19/25 10:19	08/20/25 20:25	1
Butyl benzyl phthalate	<5.87		10.9	5.87	ug/L		08/19/25 10:19	08/20/25 20:25	1
Chlorobenzilate	<3.91		10.9	3.91	ug/L		08/19/25 10:19	08/26/25 02:12	1
Chrysene	<0.946		10.9	0.946	ug/L		08/19/25 10:19	08/20/25 20:25	1
Diallate	<4.35	*1	10.9	4.35	ug/L		08/19/25 10:19	08/26/25 02:12	1
Dibenzo(a,h)anthracene	<4.24		10.9	4.24	ug/L		08/19/25 10:19	08/20/25 20:25	1
Dibenzofuran	<0.804		10.9	0.804	ug/L		08/19/25 10:19	08/20/25 20:25	1
Diethyl phthalate	<1.85		10.9	1.85	ug/L		08/19/25 10:19	08/20/25 20:25	1
Dimethoate	<3.91		10.9	3.91	ug/L		08/19/25 10:19	08/26/25 02:12	1
Dimethyl phthalate	<1.09		10.9	1.09	ug/L		08/19/25 10:19	08/20/25 20:25	1
Di-n-butyl phthalate	<6.09		10.9	6.09	ug/L		08/19/25 10:19	08/20/25 20:25	1
Di-n-octyl phthalate	<7.61		21.7	7.61	ug/L		08/19/25 10:19	08/20/25 20:25	1
Dinoseb	<2.61		10.9	2.61	ug/L		08/19/25 10:19	08/26/25 02:12	1
Diphenylamine	<6.52		10.9	6.52	ug/L		08/19/25 10:19	08/20/25 20:25	1
Disulfoton	<2.61		10.9	2.61	ug/L		08/19/25 10:19	08/26/25 02:12	1
Ethyl methanesulfonate	<3.91	*1	10.9	3.91	ug/L		08/19/25 10:19	08/26/25 02:12	1
Ethyl Parathion	<2.39		10.9	2.39	ug/L		08/19/25 10:19	08/26/25 02:12	1
Famphur	<4.13		10.9	4.13	ug/L		08/19/25 10:19	08/26/25 02:12	1
Fluoranthene	<1.85		10.9	1.85	ug/L		08/19/25 10:19	08/20/25 20:25	1
Fluorene	<0.859		10.9	0.859	ug/L		08/19/25 10:19	08/20/25 20:25	1
Hexachlorobenzene	<0.761		10.9	0.761	ug/L		08/19/25 10:19	08/20/25 20:25	1
Hexachlorobutadiene	<0.935		10.9	0.935	ug/L		08/19/25 10:19	08/20/25 20:25	1
Hexachlorocyclopentadiene	<5.54		10.9	5.54	ug/L		08/19/25 10:19	08/20/25 20:25	1
Hexachloroethane	<1.05	*3	10.9	1.05	ug/L		08/19/25 10:19	08/20/25 20:25	1
Hexachloropropene	<2.83		10.9	2.83	ug/L		08/19/25 10:19	08/26/25 02:12	1
Indeno[1,2,3-cd]pyrene	<4.57		10.9	4.57	ug/L		08/19/25 10:19	08/20/25 20:25	1

Client Sample ID: AW-3_25_08
Lab Sample ID: 310-313508-3
Date Collected: 08/13/25 18:25
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<5.11	*1	10.9	5.11	ug/L		08/19/25 10:19	08/26/25 02:12	1
Isophorone	<1.01		10.9	1.01	ug/L		08/19/25 10:19	08/20/25 20:25	1
Isosafrole	<2.50	*1	10.9	2.50	ug/L		08/19/25 10:19	08/26/25 02:12	1
Kepone	<1.09		10.9	1.09	ug/L		08/19/25 10:19	08/26/25 02:12	1
Methapyrilene	<0.826	*-	10.9	0.826	ug/L		08/19/25 10:19	08/26/25 02:12	1
Methyl methanesulfonate	<3.59	*1	10.9	3.59	ug/L		08/19/25 10:19	08/26/25 02:12	1
Methyl parathion	<2.50	*1	10.9	2.50	ug/L		08/19/25 10:19	08/26/25 02:12	1
Nitrobenzene	<0.870		10.9	0.870	ug/L		08/19/25 10:19	08/20/25 20:25	1
N-Nitrosodiethylamine	<3.70		10.9	3.70	ug/L		08/19/25 10:19	08/26/25 02:12	1
N-Nitrosodimethylamine	<0.783	*3	10.9	0.783	ug/L		08/19/25 10:19	08/20/25 20:25	1
N-Nitrosodi-n-butylamine	<4.24	*1	10.9	4.24	ug/L		08/19/25 10:19	08/26/25 02:12	1
N-Nitrosodi-n-propylamine	<1.00	*3	10.9	1.00	ug/L		08/19/25 10:19	08/20/25 20:25	1
N-Nitrosodiphenylamine	<0.815		10.9	0.815	ug/L		08/19/25 10:19	08/20/25 20:25	1
N-Nitrosomethylethylamine	<5.33	*1	10.9	5.33	ug/L		08/19/25 10:19	08/26/25 02:12	1
N-Nitrosopiperidine	<2.93	*1	10.9	2.93	ug/L		08/19/25 10:19	08/26/25 02:12	1
N-Nitrosopyrrolidine	<3.91		10.9	3.91	ug/L		08/19/25 10:19	08/26/25 02:12	1
o,o',o''-Triethylphosphorothioate	<3.48		10.9	3.48	ug/L		08/19/25 10:19	08/26/25 02:12	1
o-Toluidine	<3.15	*1	10.9	3.15	ug/L		08/19/25 10:19	08/26/25 02:12	1
p-Dimethylamino azobenzene	<2.39	*1	10.9	2.39	ug/L		08/19/25 10:19	08/26/25 02:12	1
Pentachlorobenzene	<3.04		10.9	3.04	ug/L		08/19/25 10:19	08/26/25 02:12	1
Pentachloronitrobenzene	<6.30		10.9	6.30	ug/L		08/19/25 10:19	08/26/25 02:12	1
Pentachlorophenol	<10.4		10.9	10.4	ug/L		08/19/25 10:19	08/20/25 20:25	1
Phenacetin	<2.07		10.9	2.07	ug/L		08/19/25 10:19	08/26/25 02:12	1
Phenanthrene	<0.859		10.9	0.859	ug/L		08/19/25 10:19	08/20/25 20:25	1
Phenol	<1.20	*3	10.9	1.20	ug/L		08/19/25 10:19	08/20/25 20:25	1
Phorate	<3.48		10.9	3.48	ug/L		08/19/25 10:19	08/26/25 02:12	1
Pronamide	<2.93		10.9	2.93	ug/L		08/19/25 10:19	08/26/25 02:12	1
Pyrene	<0.859		10.9	0.859	ug/L		08/19/25 10:19	08/20/25 20:25	1
Safrole	<3.04	*1	10.9	3.04	ug/L		08/19/25 10:19	08/26/25 02:12	1
Thionazin	<3.80	*1	10.9	3.80	ug/L		08/19/25 10:19	08/26/25 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*72*	*3*	*21 - 110*	*08/19/25 10:19*	*08/20/25 20:25*	*1*
Phenol-d5 (Surr)	*60*	*3*	*21 - 110*	*08/19/25 10:19*	*08/20/25 20:25*	*1*
Nitrobenzene-d5 (Surr)	*89*		*39 - 140*	*08/19/25 10:19*	*08/20/25 20:25*	*1*
2-Fluorobiphenyl (Surr)	*77*		*33 - 126*	*08/19/25 10:19*	*08/20/25 20:25*	*1*
2,4,6-Tribromophenol (Surr)	*103*		*20 - 144*	*08/19/25 10:19*	*08/20/25 20:25*	*1*
Terphenyl-d14 (Surr)	*95*		*13 - 150*	*08/19/25 10:19*	*08/20/25 20:25*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/19/25 19:23	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/19/25 19:23	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0225		0.0900	0.0225	ug/L		08/19/25 09:56	08/22/25 11:45	1
4,4'-DDE	<0.0270		0.0900	0.0270	ug/L		08/19/25 09:56	08/22/25 11:45	1
4,4'-DDT	<0.0180		0.0900	0.0180	ug/L		08/19/25 09:56	08/22/25 11:45	1
Aldrin	<0.0198		0.0900	0.0198	ug/L		08/19/25 09:56	08/22/25 11:45	1

Client Sample ID: AW-3_25_08
Lab Sample ID: 310-313508-3
Date Collected: 08/13/25 18:25
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00900		0.0900	0.00900	ug/L		08/19/25 09:56	08/22/25 11:45	1
beta-BHC	<0.0378		0.0900	0.0378	ug/L		08/19/25 09:56	08/22/25 11:45	1
Chlordane (technical)	<0.351		1.80	0.351	ug/L		08/19/25 09:56	08/22/25 11:45	1
delta-BHC	<0.0288		0.0900	0.0288	ug/L		08/19/25 09:56	08/22/25 11:45	1
Dieldrin	<0.0189		0.0900	0.0189	ug/L		08/19/25 09:56	08/22/25 11:45	1
Endosulfan I	<0.0252		0.0900	0.0252	ug/L		08/19/25 09:56	08/22/25 11:45	1
Endosulfan II	<0.0234		0.0900	0.0234	ug/L		08/19/25 09:56	08/22/25 11:45	1
Endosulfan sulfate	<0.0162		0.0900	0.0162	ug/L		08/19/25 09:56	08/22/25 11:45	1
Endrin	<0.0252		0.0900	0.0252	ug/L		08/19/25 09:56	08/22/25 11:45	1
Endrin aldehyde	<0.0243		0.0900	0.0243	ug/L		08/19/25 09:56	08/22/25 11:45	1
gamma-BHC (Lindane)	<0.00900		0.0900	0.00900	ug/L		08/19/25 09:56	08/22/25 11:45	1
Heptachlor	<0.0207		0.0900	0.0207	ug/L		08/19/25 09:56	08/22/25 11:45	1
Heptachlor epoxide	<0.0288		0.0900	0.0288	ug/L		08/19/25 09:56	08/22/25 11:45	1
Methoxychlor	<0.0288		0.0900	0.0288	ug/L		08/19/25 09:56	08/22/25 11:45	1
Toxaphene	<0.900		1.80	0.900	ug/L		08/19/25 09:56	08/22/25 11:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*10 - 150*	*08/19/25 09:56*	*08/22/25 11:45*	*1*
Tetrachloro-m-xylene	*67*		*17 - 150*	*08/19/25 09:56*	*08/22/25 11:45*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.738		1.80	0.738	ug/L		08/19/25 09:56	08/22/25 11:45	1
PCB-1221	<0.738		1.80	0.738	ug/L		08/19/25 09:56	08/22/25 11:45	1
PCB-1232	<0.738		1.80	0.738	ug/L		08/19/25 09:56	08/22/25 11:45	1
PCB-1242	<0.738		1.80	0.738	ug/L		08/19/25 09:56	08/22/25 11:45	1
PCB-1248	<0.621		1.80	0.621	ug/L		08/19/25 09:56	08/22/25 11:45	1
PCB-1254	<0.621		1.80	0.621	ug/L		08/19/25 09:56	08/22/25 11:45	1
PCB-1260	<0.621		1.80	0.621	ug/L		08/19/25 09:56	08/22/25 11:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*10 - 150*	*08/19/25 09:56*	*08/22/25 11:45*	*1*
Tetrachloro-m-xylene	*68*		*17 - 150*	*08/19/25 09:56*	*08/22/25 11:45*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.138	*1	1.09	0.138	ug/L		08/20/25 07:38	08/20/25 18:59	1
Silvex (2,4,5-TP)	<0.115	*+	1.09	0.115	ug/L		08/20/25 07:38	08/20/25 18:59	1
2,4,5-T	<0.153	*+ *1	1.09	0.153	ug/L		08/20/25 07:38	08/20/25 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*84*		*25 - 130*	*08/20/25 07:38*	*08/20/25 18:59*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/26/25 13:45	1
Arsenic	**0.0196**		0.00200	0.000530	mg/L		08/20/25 09:00	08/26/25 13:45	1
Barium	**0.0783**		0.00200	0.000660	mg/L		08/20/25 09:00	08/26/25 13:45	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/26/25 13:45	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/26/25 13:45	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/26/25 13:45	1

Client Sample ID: AW-3_25_08
Lab Sample ID: 310-313508-3
Date Collected: 08/13/25 18:25
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/20/25 09:00	08/26/25 13:45	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/26/25 13:45	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/26/25 13:45	1
Nickel	<0.00230		0.00500	0.00230	mg/L		08/20/25 09:00	08/26/25 13:45	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/26/25 13:45	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/26/25 13:45	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/20/25 09:00	08/26/25 13:45	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/26/25 13:45	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/26/25 13:45	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/20/25 09:00	08/26/25 13:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 10:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/20/25 09:10	08/22/25 19:01	1
Sulfide (SW846 9034)	**0.663**	**J**	1.00	0.231	mg/L		08/20/25 16:24	08/20/25 16:50	1
Total Suspended Solids (USGS I-3765-85)	**5.88**		1.88	1.31	mg/L			08/19/25 10:41	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313508-1

Client Sample ID: CRL-9_25_08
Date Collected: 08/14/25 14:35
Date Received: 08/15/25 14:45

Lab Sample ID: 310-313508-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 03:21	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 03:21	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 03:21	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 03:21	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/19/25 03:21	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 03:21	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 03:21	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 03:21	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 03:21	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 03:21	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 03:21	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/19/25 03:21	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 03:21	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 03:21	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 03:21	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 03:21	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/19/25 03:21	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 03:21	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 03:21	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 03:21	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 03:21	1
Acetone	**3.92**	**J**	10.0	3.10	ug/L			08/19/25 03:21	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 03:21	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 03:21	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 03:21	1
Benzene	**2.86**		0.500	0.220	ug/L			08/19/25 03:21	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 03:21	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 03:21	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 03:21	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 03:21	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 03:21	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 03:21	1
Chlorobenzene	**0.652**	**J**	1.00	0.400	ug/L			08/19/25 03:21	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 03:21	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 03:21	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 03:21	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 03:21	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 03:21	1
cis-1,2-Dichloroethene	**0.240**	**J**	1.00	0.210	ug/L			08/19/25 03:21	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 03:21	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 03:21	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 03:21	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 03:21	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 03:21	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 03:21	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 03:21	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 03:21	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 03:21	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 03:21	1

Client Sample ID: CRL-9_25_08
Lab Sample ID: 310-313508-4
Date Collected: 08/14/25 14:35
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 03:21	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 03:21	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 03:21	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 03:21	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 03:21	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 03:21	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 03:21	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 03:21	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 03:21	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 03:21	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 03:21	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 03:21	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 03:21	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*107*		*76 - 130*		*08/19/25 03:21*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/19/25 03:21*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*08/19/25 03:21*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.574		10.6	0.574	ug/L		08/21/25 14:08	08/28/25 17:56	1
1,3,5-Trinitrobenzene	<2.45		10.6	2.45	ug/L		08/21/25 14:08	08/28/25 17:56	1
1,3-Dinitrobenzene	<3.40		10.6	3.40	ug/L		08/21/25 14:08	08/28/25 17:56	1
1,4-Naphthoquinone	<3.83		10.6	3.83	ug/L		08/21/25 14:08	08/28/25 17:56	1
1,4-phenylenediamine	<2.02	*- *1	10.6	2.02	ug/L		08/21/25 14:08	08/28/25 17:56	1
1-Naphthylamine	<2.66		10.6	2.66	ug/L		08/21/25 14:08	08/28/25 17:56	1
2,3,4,6-Tetrachlorophenol	<5.64		10.6	5.64	ug/L		08/21/25 14:08	08/28/25 17:56	1
2,4,5-Trichlorophenol	<5.64		10.6	5.64	ug/L		08/21/25 14:08	08/28/25 17:56	1
2,4,6-Trichlorophenol	<5.32		10.6	5.32	ug/L		08/21/25 14:08	08/28/25 17:56	1
2,4-Dichlorophenol	<0.904		10.6	0.904	ug/L		08/21/25 14:08	08/28/25 17:56	1
2,4-Dimethylphenol	<0.617		10.6	0.617	ug/L		08/21/25 14:08	08/28/25 17:56	1
2,4-Dinitrophenol	<13.8		21.3	13.8	ug/L		08/21/25 14:08	08/28/25 17:56	1
2,4-Dinitrotoluene	<6.81		10.6	6.81	ug/L		08/21/25 14:08	08/28/25 17:56	1
2,6-Dichlorophenol	<0.734		10.6	0.734	ug/L		08/21/25 14:08	08/28/25 17:56	1
2,6-Dinitrotoluene	<0.553		10.6	0.553	ug/L		08/21/25 14:08	08/28/25 17:56	1
2-Acetylaminofluorene	<2.87		10.6	2.87	ug/L		08/21/25 14:08	08/28/25 17:56	1
2-Chloronaphthalene	<0.681		10.6	0.681	ug/L		08/21/25 14:08	08/28/25 17:56	1
2-Chlorophenol	<0.574		10.6	0.574	ug/L		08/21/25 14:08	08/28/25 17:56	1
2-Methylnaphthalene	<0.628		10.6	0.628	ug/L		08/21/25 14:08	08/28/25 17:56	1
2-Methylphenol	<0.691		10.6	0.691	ug/L		08/21/25 14:08	08/28/25 17:56	1
2-Naphthylamine	<2.23		10.6	2.23	ug/L		08/21/25 14:08	08/28/25 17:56	1
2-Nitroaniline	<6.28		10.6	6.28	ug/L		08/21/25 14:08	08/28/25 17:56	1
2-Nitrophenol	<7.23		10.6	7.23	ug/L		08/21/25 14:08	08/28/25 17:56	1
3,3'-Dichlorobenzidine	<1.49		10.6	1.49	ug/L		08/21/25 14:08	08/28/25 17:56	1
3,3'-Dimethylbenzidine	<1.60		10.6	1.60	ug/L		08/21/25 14:08	08/28/25 17:56	1
3-Methylcholanthrene	<0.340		10.6	0.340	ug/L		08/21/25 14:08	08/28/25 17:56	1
3-Nitroaniline	<2.87		10.6	2.87	ug/L		08/21/25 14:08	08/28/25 17:56	1
4,6-Dinitro-2-methylphenol	<7.34		10.6	7.34	ug/L		08/21/25 14:08	08/28/25 17:56	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: CRL-9_25_08
Lab Sample ID: 310-313508-4
Date Collected: 08/14/25 14:35
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.34		10.6	2.34	ug/L		08/21/25 14:08	08/28/25 17:56	1
4-Bromophenyl phenyl ether	<0.745		10.6	0.745	ug/L		08/21/25 14:08	08/28/25 17:56	1
4-Chloro-3-methylphenol	<0.894		10.6	0.894	ug/L		08/21/25 14:08	08/28/25 17:56	1
4-Chloroaniline	<0.660		10.6	0.660	ug/L		08/21/25 14:08	08/28/25 17:56	1
4-Chlorophenyl phenyl ether	<0.734		10.6	0.734	ug/L		08/21/25 14:08	08/28/25 17:56	1
Methylphenol, 3 & 4	<0.745		10.6	0.745	ug/L		08/21/25 14:08	08/28/25 17:56	1
4-Nitroaniline	<1.38		10.6	1.38	ug/L		08/21/25 14:08	08/28/25 17:56	1
4-Nitrophenol	<8.09		10.6	8.09	ug/L		08/21/25 14:08	08/28/25 17:56	1
5-Nitro-o-toluidine	<2.98		10.6	2.98	ug/L		08/21/25 14:08	08/28/25 17:56	1
7,12-Dimethylbenz(a)anthracene	<2.02		10.6	2.02	ug/L		08/21/25 14:08	08/28/25 17:56	1
Acenaphthene	<0.681		10.6	0.681	ug/L		08/21/25 14:08	08/28/25 17:56	1
Acenaphthylene	<0.766		10.6	0.766	ug/L		08/21/25 14:08	08/28/25 17:56	1
Acetophenone	<0.734		10.6	0.734	ug/L		08/21/25 14:08	08/28/25 17:56	1
Anthracene	<0.926		10.6	0.926	ug/L		08/21/25 14:08	08/28/25 17:56	1
Benzo[a]anthracene	<0.904		10.6	0.904	ug/L		08/21/25 14:08	08/28/25 17:56	1
Benzo[a]pyrene	<8.62		10.6	8.62	ug/L		08/21/25 14:08	08/28/25 17:56	1
Benzo[b]fluoranthene	<5.21		10.6	5.21	ug/L		08/21/25 14:08	08/28/25 17:56	1
Benzo[g,h,i]perylene	<6.70		10.6	6.70	ug/L		08/21/25 14:08	08/28/25 17:56	1
Benzo[k]fluoranthene	<2.34		10.6	2.34	ug/L		08/21/25 14:08	08/28/25 17:56	1
Benzyl alcohol	<1.38		10.6	1.38	ug/L		08/21/25 14:08	08/28/25 17:56	1
Bis(2-chloroethoxy)methane	<0.809		10.6	0.809	ug/L		08/21/25 14:08	08/28/25 17:56	1
Bis(2-chloroethyl)ether	<0.872		10.6	0.872	ug/L		08/21/25 14:08	08/28/25 17:56	1
2,2'-oxybis[1-chloropropane]	<0.574		10.6	0.574	ug/L		08/21/25 14:08	08/28/25 17:56	1
Bis(2-ethylhexyl) phthalate	<5.85		10.6	5.85	ug/L		08/21/25 14:08	08/28/25 17:56	1
Butyl benzyl phthalate	<5.74		10.6	5.74	ug/L		08/21/25 14:08	08/28/25 17:56	1
Chlorobenzilate	<3.83		10.6	3.83	ug/L		08/21/25 14:08	08/28/25 17:56	1
Chrysene	<0.926		10.6	0.926	ug/L		08/21/25 14:08	08/28/25 17:56	1
Diallate	<4.26		10.6	4.26	ug/L		08/21/25 14:08	08/28/25 17:56	1
Dibenzo(a,h)anthracene	<4.15		10.6	4.15	ug/L		08/21/25 14:08	08/28/25 17:56	1
Dibenzofuran	<0.787		10.6	0.787	ug/L		08/21/25 14:08	08/28/25 17:56	1
Diethyl phthalate	<1.81		10.6	1.81	ug/L		08/21/25 14:08	08/28/25 17:56	1
Dimethoate	<3.83	*+	10.6	3.83	ug/L		08/21/25 14:08	08/28/25 17:56	1
Dimethyl phthalate	<1.06		10.6	1.06	ug/L		08/21/25 14:08	08/28/25 17:56	1
Di-n-butyl phthalate	<5.96		10.6	5.96	ug/L		08/21/25 14:08	08/28/25 17:56	1
Di-n-octyl phthalate	<7.45		21.3	7.45	ug/L		08/21/25 14:08	08/28/25 17:56	1
Dinoseb	<2.55		10.6	2.55	ug/L		08/21/25 14:08	08/28/25 17:56	1
Diphenylamine	<6.38		10.6	6.38	ug/L		08/21/25 14:08	08/28/25 17:56	1
Disulfoton	<2.55	*1	10.6	2.55	ug/L		08/21/25 14:08	08/28/25 17:56	1
Ethyl methanesulfonate	<3.83		10.6	3.83	ug/L		08/21/25 14:08	08/28/25 17:56	1
Ethyl Parathion	<2.34		10.6	2.34	ug/L		08/21/25 14:08	08/28/25 17:56	1
Famphur	<4.04	*+	10.6	4.04	ug/L		08/21/25 14:08	08/28/25 17:56	1
Fluoranthene	<1.81		10.6	1.81	ug/L		08/21/25 14:08	08/28/25 17:56	1
Fluorene	<0.840		10.6	0.840	ug/L		08/21/25 14:08	08/28/25 17:56	1
Hexachlorobenzene	<0.745		10.6	0.745	ug/L		08/21/25 14:08	08/28/25 17:56	1
Hexachlorobutadiene	<0.915		10.6	0.915	ug/L		08/21/25 14:08	08/28/25 17:56	1
Hexachlorocyclopentadiene	<5.43		10.6	5.43	ug/L		08/21/25 14:08	08/28/25 17:56	1
Hexachloroethane	<1.03		10.6	1.03	ug/L		08/21/25 14:08	08/28/25 17:56	1
Hexachloropropene	<2.77		10.6	2.77	ug/L		08/21/25 14:08	08/28/25 17:56	1
Indeno[1,2,3-cd]pyrene	<4.47		10.6	4.47	ug/L		08/21/25 14:08	08/28/25 17:56	1

Client Sample ID: CRL-9_25_08
Lab Sample ID: 310-313508-4
Date Collected: 08/14/25 14:35
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<5.00		10.6	5.00	ug/L		08/21/25 14:08	08/28/25 17:56	1
Isophorone	<0.989		10.6	0.989	ug/L		08/21/25 14:08	08/28/25 17:56	1
Isosafrole	<2.45		10.6	2.45	ug/L		08/21/25 14:08	08/28/25 17:56	1
Kepone	<1.06	*+	10.6	1.06	ug/L		08/21/25 14:08	08/28/25 17:56	1
Methapyrilene	<0.809	*- *1	10.6	0.809	ug/L		08/21/25 14:08	08/28/25 17:56	1
Methyl methanesulfonate	<3.51		10.6	3.51	ug/L		08/21/25 14:08	08/28/25 17:56	1
Methyl parathion	<2.45		10.6	2.45	ug/L		08/21/25 14:08	08/28/25 17:56	1
Nitrobenzene	<0.851		10.6	0.851	ug/L		08/21/25 14:08	08/28/25 17:56	1
N-Nitrosodiethylamine	<3.62		10.6	3.62	ug/L		08/21/25 14:08	08/28/25 17:56	1
N-Nitrosodimethylamine	<0.766		10.6	0.766	ug/L		08/21/25 14:08	08/28/25 17:56	1
N-Nitrosodi-n-butylamine	<4.15		10.6	4.15	ug/L		08/21/25 14:08	08/28/25 17:56	1
N-Nitrosodi-n-propylamine	<0.979		10.6	0.979	ug/L		08/21/25 14:08	08/28/25 17:56	1
N-Nitrosodiphenylamine	<0.798		10.6	0.798	ug/L		08/21/25 14:08	08/28/25 17:56	1
N-Nitrosomethylethylamine	<5.21		10.6	5.21	ug/L		08/21/25 14:08	08/28/25 17:56	1
N-Nitrosopiperidine	<2.87		10.6	2.87	ug/L		08/21/25 14:08	08/28/25 17:56	1
N-Nitrosopyrrolidine	<3.83		10.6	3.83	ug/L		08/21/25 14:08	08/28/25 17:56	1
o,o',o''-Triethylphosphorothioate	<3.40		10.6	3.40	ug/L		08/21/25 14:08	08/28/25 17:56	1
o-Toluidine	**12.5**		10.6	3.09	ug/L		08/21/25 14:08	08/28/25 17:56	1
p-Dimethylamino azobenzene	<2.34		10.6	2.34	ug/L		08/21/25 14:08	08/28/25 17:56	1
Pentachlorobenzene	<2.98		10.6	2.98	ug/L		08/21/25 14:08	08/28/25 17:56	1
Pentachloronitrobenzene	<6.17		10.6	6.17	ug/L		08/21/25 14:08	08/28/25 17:56	1
Pentachlorophenol	<10.2		10.6	10.2	ug/L		08/21/25 14:08	08/28/25 17:56	1
Phenacetin	<2.02		10.6	2.02	ug/L		08/21/25 14:08	08/28/25 17:56	1
Phenanthrene	<0.840		10.6	0.840	ug/L		08/21/25 14:08	08/28/25 17:56	1
Phenol	<1.17		10.6	1.17	ug/L		08/21/25 14:08	08/28/25 17:56	1
Phorate	<3.40		10.6	3.40	ug/L		08/21/25 14:08	08/28/25 17:56	1
Pronamide	<2.87		10.6	2.87	ug/L		08/21/25 14:08	08/28/25 17:56	1
Pyrene	<0.840		10.6	0.840	ug/L		08/21/25 14:08	08/28/25 17:56	1
Safrole	<2.98		10.6	2.98	ug/L		08/21/25 14:08	08/28/25 17:56	1
Thionazin	<3.72		10.6	3.72	ug/L		08/21/25 14:08	08/28/25 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*76*		*21 - 110*	*08/21/25 14:08*	*08/28/25 17:56*	*1*
Phenol-d5 (Surr)	*63*		*21 - 110*	*08/21/25 14:08*	*08/28/25 17:56*	*1*
Nitrobenzene-d5 (Surr)	*93*		*39 - 140*	*08/21/25 14:08*	*08/28/25 17:56*	*1*
2-Fluorobiphenyl (Surr)	*80*		*33 - 126*	*08/21/25 14:08*	*08/28/25 17:56*	*1*
2,4,6-Tribromophenol (Surr)	*108*		*20 - 144*	*08/21/25 14:08*	*08/28/25 17:56*	*1*
Terphenyl-d14 (Surr)	*120*		*13 - 150*	*08/21/25 14:08*	*08/28/25 17:56*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/19/25 19:44	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/19/25 19:44	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0224		0.0895	0.0224	ug/L		08/19/25 09:56	08/22/25 11:58	1
4,4'-DDE	<0.0269		0.0895	0.0269	ug/L		08/19/25 09:56	08/22/25 11:58	1
4,4'-DDT	<0.0179		0.0895	0.0179	ug/L		08/19/25 09:56	08/22/25 11:58	1
Aldrin	<0.0197		0.0895	0.0197	ug/L		08/19/25 09:56	08/22/25 11:58	1

Client Sample ID: CRL-9_25_08
Lab Sample ID: 310-313508-4
Date Collected: 08/14/25 14:35
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00895		0.0895	0.00895	ug/L		08/19/25 09:56	08/22/25 11:58	1
beta-BHC	<0.0376		0.0895	0.0376	ug/L		08/19/25 09:56	08/22/25 11:58	1
Chlordane (technical)	<0.349		1.79	0.349	ug/L		08/19/25 09:56	08/22/25 11:58	1
delta-BHC	<0.0286		0.0895	0.0286	ug/L		08/19/25 09:56	08/22/25 11:58	1
Dieldrin	<0.0188		0.0895	0.0188	ug/L		08/19/25 09:56	08/22/25 11:58	1
Endosulfan I	<0.0251		0.0895	0.0251	ug/L		08/19/25 09:56	08/22/25 11:58	1
Endosulfan II	<0.0233		0.0895	0.0233	ug/L		08/19/25 09:56	08/22/25 11:58	1
Endosulfan sulfate	<0.0161		0.0895	0.0161	ug/L		08/19/25 09:56	08/22/25 11:58	1
Endrin	<0.0251		0.0895	0.0251	ug/L		08/19/25 09:56	08/22/25 11:58	1
Endrin aldehyde	<0.0242		0.0895	0.0242	ug/L		08/19/25 09:56	08/22/25 11:58	1
gamma-BHC (Lindane)	<0.00895		0.0895	0.00895	ug/L		08/19/25 09:56	08/22/25 11:58	1
Heptachlor	<0.0206		0.0895	0.0206	ug/L		08/19/25 09:56	08/22/25 11:58	1
Heptachlor epoxide	<0.0286		0.0895	0.0286	ug/L		08/19/25 09:56	08/22/25 11:58	1
Methoxychlor	<0.0286		0.0895	0.0286	ug/L		08/19/25 09:56	08/22/25 11:58	1
Toxaphene	<0.895		1.79	0.895	ug/L		08/19/25 09:56	08/22/25 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*54*		*10 - 150*	*08/19/25 09:56*	*08/22/25 11:58*	*1*
Tetrachloro-m-xylene	*51*		*17 - 150*	*08/19/25 09:56*	*08/22/25 11:58*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.734		1.79	0.734	ug/L		08/19/25 09:56	08/22/25 11:58	1
PCB-1221	<0.734		1.79	0.734	ug/L		08/19/25 09:56	08/22/25 11:58	1
PCB-1232	<0.734		1.79	0.734	ug/L		08/19/25 09:56	08/22/25 11:58	1
PCB-1242	<0.734		1.79	0.734	ug/L		08/19/25 09:56	08/22/25 11:58	1
PCB-1248	<0.618		1.79	0.618	ug/L		08/19/25 09:56	08/22/25 11:58	1
PCB-1254	<0.618		1.79	0.618	ug/L		08/19/25 09:56	08/22/25 11:58	1
PCB-1260	<0.618		1.79	0.618	ug/L		08/19/25 09:56	08/22/25 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*55*		*10 - 150*	*08/19/25 09:56*	*08/22/25 11:58*	*1*
Tetrachloro-m-xylene	*52*		*17 - 150*	*08/19/25 09:56*	*08/22/25 11:58*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.144	*1	1.14	0.144	ug/L		08/20/25 07:38	08/20/25 19:17	1
Silvex (2,4,5-TP)	<0.120	*+	1.14	0.120	ug/L		08/20/25 07:38	08/20/25 19:17	1
2,4,5-T	<0.160	*+ *1	1.14	0.160	ug/L		08/20/25 07:38	08/20/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*104*		*25 - 130*	*08/20/25 07:38*	*08/20/25 19:17*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/26/25 13:48	1
Arsenic	**0.0511**		0.00200	0.000530	mg/L		08/20/25 09:00	08/26/25 13:48	1
Barium	**0.460**		0.00200	0.000660	mg/L		08/20/25 09:00	08/26/25 13:48	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/26/25 13:48	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/26/25 13:48	1
Chromium	**0.00214**	**J**	0.00500	0.00180	mg/L		08/20/25 09:00	08/26/25 13:48	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: CRL-9_25_08
Lab Sample ID: 310-313508-4
Date Collected: 08/14/25 14:35
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00464**		0.000500	0.000170	mg/L		08/20/25 09:00	08/26/25 13:48	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/26/25 13:48	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/26/25 13:48	1
Nickel	**0.0228**		0.00500	0.00230	mg/L		08/20/25 09:00	08/26/25 13:48	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/26/25 13:48	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/26/25 13:48	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/20/25 09:00	08/26/25 13:48	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/26/25 13:48	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/26/25 13:48	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/20/25 09:00	08/26/25 13:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 10:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/19/25 09:19	08/19/25 22:40	1
Sulfide (SW846 9034)	**2.60**		1.00	0.231	mg/L		08/20/25 16:28	08/20/25 17:03	1
Total Suspended Solids (USGS I-3765-85)	**28.0**		7.50	5.25	mg/L			08/19/25 13:42	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-13_25_08
Lab Sample ID: 310-313508-5
Date Collected: 08/14/25 10:05
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 03:43	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 03:43	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 03:43	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 03:43	1
1,1-Dichloroethane	**0.669**	**J**	1.00	0.220	ug/L			08/19/25 03:43	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 03:43	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 03:43	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 03:43	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 03:43	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 03:43	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 03:43	1
1,2-Dichlorobenzene	**2.11**		1.00	0.370	ug/L			08/19/25 03:43	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 03:43	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 03:43	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 03:43	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 03:43	1
1,4-Dichlorobenzene	**15.8**		1.00	0.230	ug/L			08/19/25 03:43	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 03:43	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 03:43	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 03:43	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 03:43	1
Acetone	**4.58**	**J**	10.0	3.10	ug/L			08/19/25 03:43	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 03:43	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 03:43	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 03:43	1
Benzene	**3.35**		0.500	0.220	ug/L			08/19/25 03:43	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 03:43	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 03:43	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 03:43	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 03:43	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 03:43	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 03:43	1
Chlorobenzene	**3.88**		1.00	0.400	ug/L			08/19/25 03:43	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 03:43	1
Chloroethane	**3.61**	**J**	4.00	0.790	ug/L			08/19/25 03:43	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 03:43	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 03:43	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 03:43	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/19/25 03:43	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 03:43	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 03:43	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 03:43	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 03:43	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 03:43	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 03:43	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 03:43	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 03:43	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 03:43	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 03:43	1

Client Sample ID: MW-13_25_08
Lab Sample ID: 310-313508-5
Date Collected: 08/14/25 10:05
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 03:43	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 03:43	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 03:43	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 03:43	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 03:43	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 03:43	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 03:43	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 03:43	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 03:43	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 03:43	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 03:43	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 03:43	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 03:43	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*76 - 130*		*08/19/25 03:43*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/19/25 03:43*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/19/25 03:43*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.587		10.9	0.587	ug/L		08/21/25 14:08	08/28/25 18:22	1
1,3,5-Trinitrobenzene	<2.50		10.9	2.50	ug/L		08/21/25 14:08	08/28/25 18:22	1
1,3-Dinitrobenzene	<3.48		10.9	3.48	ug/L		08/21/25 14:08	08/28/25 18:22	1
1,4-Naphthoquinone	<3.91		10.9	3.91	ug/L		08/21/25 14:08	08/28/25 18:22	1
1,4-phenylenediamine	<2.07	*- *1	10.9	2.07	ug/L		08/21/25 14:08	08/28/25 18:22	1
1-Naphthylamine	<2.72		10.9	2.72	ug/L		08/21/25 14:08	08/28/25 18:22	1
2,3,4,6-Tetrachlorophenol	<5.76		10.9	5.76	ug/L		08/21/25 14:08	08/28/25 18:22	1
2,4,5-Trichlorophenol	<5.76		10.9	5.76	ug/L		08/21/25 14:08	08/28/25 18:22	1
2,4,6-Trichlorophenol	<5.43		10.9	5.43	ug/L		08/21/25 14:08	08/28/25 18:22	1
2,4-Dichlorophenol	<0.924		10.9	0.924	ug/L		08/21/25 14:08	08/28/25 18:22	1
2,4-Dimethylphenol	<0.630		10.9	0.630	ug/L		08/21/25 14:08	08/28/25 18:22	1
2,4-Dinitrophenol	<14.1		21.7	14.1	ug/L		08/21/25 14:08	08/28/25 18:22	1
2,4-Dinitrotoluene	<6.96		10.9	6.96	ug/L		08/21/25 14:08	08/28/25 18:22	1
2,6-Dichlorophenol	<0.750		10.9	0.750	ug/L		08/21/25 14:08	08/28/25 18:22	1
2,6-Dinitrotoluene	<0.565		10.9	0.565	ug/L		08/21/25 14:08	08/28/25 18:22	1
2-Acetylaminofluorene	<2.93		10.9	2.93	ug/L		08/21/25 14:08	08/28/25 18:22	1
2-Chloronaphthalene	<0.696		10.9	0.696	ug/L		08/21/25 14:08	08/28/25 18:22	1
2-Chlorophenol	<0.587		10.9	0.587	ug/L		08/21/25 14:08	08/28/25 18:22	1
2-Methylnaphthalene	<0.641		10.9	0.641	ug/L		08/21/25 14:08	08/28/25 18:22	1
2-Methylphenol	<0.707		10.9	0.707	ug/L		08/21/25 14:08	08/28/25 18:22	1
2-Naphthylamine	<2.28		10.9	2.28	ug/L		08/21/25 14:08	08/28/25 18:22	1
2-Nitroaniline	<6.41		10.9	6.41	ug/L		08/21/25 14:08	08/28/25 18:22	1
2-Nitrophenol	<7.39		10.9	7.39	ug/L		08/21/25 14:08	08/28/25 18:22	1
3,3'-Dichlorobenzidine	<1.52		10.9	1.52	ug/L		08/21/25 14:08	08/28/25 18:22	1
3,3'-Dimethylbenzidine	<1.63		10.9	1.63	ug/L		08/21/25 14:08	08/28/25 18:22	1
3-Methylcholanthrene	<0.348		10.9	0.348	ug/L		08/21/25 14:08	08/28/25 18:22	1
3-Nitroaniline	<2.93		10.9	2.93	ug/L		08/21/25 14:08	08/28/25 18:22	1
4,6-Dinitro-2-methylphenol	<7.50		10.9	7.50	ug/L		08/21/25 14:08	08/28/25 18:22	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-13_25_08
Lab Sample ID: 310-313508-5
Date Collected: 08/14/25 10:05
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.39		10.9	2.39	ug/L		08/21/25 14:08	08/28/25 18:22	1
4-Bromophenyl phenyl ether	<0.761		10.9	0.761	ug/L		08/21/25 14:08	08/28/25 18:22	1
4-Chloro-3-methylphenol	<0.913		10.9	0.913	ug/L		08/21/25 14:08	08/28/25 18:22	1
4-Chloroaniline	<0.674		10.9	0.674	ug/L		08/21/25 14:08	08/28/25 18:22	1
4-Chlorophenyl phenyl ether	<0.750		10.9	0.750	ug/L		08/21/25 14:08	08/28/25 18:22	1
Methylphenol, 3 & 4	<0.761		10.9	0.761	ug/L		08/21/25 14:08	08/28/25 18:22	1
4-Nitroaniline	<1.41		10.9	1.41	ug/L		08/21/25 14:08	08/28/25 18:22	1
4-Nitrophenol	<8.26		10.9	8.26	ug/L		08/21/25 14:08	08/28/25 18:22	1
5-Nitro-o-toluidine	<3.04		10.9	3.04	ug/L		08/21/25 14:08	08/28/25 18:22	1
7,12-Dimethylbenz(a)anthracene	<2.07		10.9	2.07	ug/L		08/21/25 14:08	08/28/25 18:22	1
Acenaphthene	<0.696		10.9	0.696	ug/L		08/21/25 14:08	08/28/25 18:22	1
Acenaphthylene	<0.783		10.9	0.783	ug/L		08/21/25 14:08	08/28/25 18:22	1
Acetophenone	<0.750		10.9	0.750	ug/L		08/21/25 14:08	08/28/25 18:22	1
Anthracene	<0.946		10.9	0.946	ug/L		08/21/25 14:08	08/28/25 18:22	1
Benzo[a]anthracene	<0.924		10.9	0.924	ug/L		08/21/25 14:08	08/28/25 18:22	1
Benzo[a]pyrene	<8.80		10.9	8.80	ug/L		08/21/25 14:08	08/28/25 18:22	1
Benzo[b]fluoranthene	<5.33		10.9	5.33	ug/L		08/21/25 14:08	08/28/25 18:22	1
Benzo[g,h,i]perylene	<6.85		10.9	6.85	ug/L		08/21/25 14:08	08/28/25 18:22	1
Benzo[k]fluoranthene	<2.39		10.9	2.39	ug/L		08/21/25 14:08	08/28/25 18:22	1
Benzyl alcohol	<1.41		10.9	1.41	ug/L		08/21/25 14:08	08/28/25 18:22	1
Bis(2-chloroethoxy)methane	<0.826		10.9	0.826	ug/L		08/21/25 14:08	08/28/25 18:22	1
Bis(2-chloroethyl)ether	<0.891		10.9	0.891	ug/L		08/21/25 14:08	08/28/25 18:22	1
2,2'-oxybis[1-chloropropane]	<0.587		10.9	0.587	ug/L		08/21/25 14:08	08/28/25 18:22	1
Bis(2-ethylhexyl) phthalate	<5.98		10.9	5.98	ug/L		08/21/25 14:08	08/28/25 18:22	1
Butyl benzyl phthalate	<5.87		10.9	5.87	ug/L		08/21/25 14:08	08/28/25 18:22	1
Chlorobenzilate	<3.91		10.9	3.91	ug/L		08/21/25 14:08	08/28/25 18:22	1
Chrysene	<0.946		10.9	0.946	ug/L		08/21/25 14:08	08/28/25 18:22	1
Diallate	<4.35		10.9	4.35	ug/L		08/21/25 14:08	08/28/25 18:22	1
Dibenzo(a,h)anthracene	<4.24		10.9	4.24	ug/L		08/21/25 14:08	08/28/25 18:22	1
Dibenzofuran	<0.804		10.9	0.804	ug/L		08/21/25 14:08	08/28/25 18:22	1
Diethyl phthalate	<1.85		10.9	1.85	ug/L		08/21/25 14:08	08/28/25 18:22	1
Dimethoate	<3.91	*+	10.9	3.91	ug/L		08/21/25 14:08	08/28/25 18:22	1
Dimethyl phthalate	**10.1**	**J**	10.9	1.09	ug/L		08/21/25 14:08	08/28/25 18:22	1
Di-n-butyl phthalate	<6.09		10.9	6.09	ug/L		08/21/25 14:08	08/28/25 18:22	1
Di-n-octyl phthalate	<7.61		21.7	7.61	ug/L		08/21/25 14:08	08/28/25 18:22	1
Dinoseb	<2.61		10.9	2.61	ug/L		08/21/25 14:08	08/28/25 18:22	1
Diphenylamine	<6.52		10.9	6.52	ug/L		08/21/25 14:08	08/28/25 18:22	1
Disulfoton	<2.61	*1	10.9	2.61	ug/L		08/21/25 14:08	08/28/25 18:22	1
Ethyl methanesulfonate	<3.91		10.9	3.91	ug/L		08/21/25 14:08	08/28/25 18:22	1
Ethyl Parathion	<2.39		10.9	2.39	ug/L		08/21/25 14:08	08/28/25 18:22	1
Famphur	<4.13	*+	10.9	4.13	ug/L		08/21/25 14:08	08/28/25 18:22	1
Fluoranthene	<1.85		10.9	1.85	ug/L		08/21/25 14:08	08/28/25 18:22	1
Fluorene	<0.859		10.9	0.859	ug/L		08/21/25 14:08	08/28/25 18:22	1
Hexachlorobenzene	<0.761		10.9	0.761	ug/L		08/21/25 14:08	08/28/25 18:22	1
Hexachlorobutadiene	<0.935		10.9	0.935	ug/L		08/21/25 14:08	08/28/25 18:22	1
Hexachlorocyclopentadiene	<5.54		10.9	5.54	ug/L		08/21/25 14:08	08/28/25 18:22	1
Hexachloroethane	<1.05		10.9	1.05	ug/L		08/21/25 14:08	08/28/25 18:22	1
Hexachloropropene	<2.83		10.9	2.83	ug/L		08/21/25 14:08	08/28/25 18:22	1
Indeno[1,2,3-cd]pyrene	<4.57		10.9	4.57	ug/L		08/21/25 14:08	08/28/25 18:22	1

Client Sample ID: MW-13_25_08
Lab Sample ID: 310-313508-5
Date Collected: 08/14/25 10:05
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<5.11		10.9	5.11	ug/L		08/21/25 14:08	08/28/25 18:22	1
Isophorone	<1.01		10.9	1.01	ug/L		08/21/25 14:08	08/28/25 18:22	1
Isosafrole	<2.50		10.9	2.50	ug/L		08/21/25 14:08	08/28/25 18:22	1
Kepone	<1.09	*+	10.9	1.09	ug/L		08/21/25 14:08	08/28/25 18:22	1
Methapyrilene	<0.826	*- *1	10.9	0.826	ug/L		08/21/25 14:08	08/28/25 18:22	1
Methyl methanesulfonate	<3.59		10.9	3.59	ug/L		08/21/25 14:08	08/28/25 18:22	1
Methyl parathion	<2.50		10.9	2.50	ug/L		08/21/25 14:08	08/28/25 18:22	1
Nitrobenzene	<0.870		10.9	0.870	ug/L		08/21/25 14:08	08/28/25 18:22	1
N-Nitrosodiethylamine	<3.70		10.9	3.70	ug/L		08/21/25 14:08	08/28/25 18:22	1
N-Nitrosodimethylamine	<0.783		10.9	0.783	ug/L		08/21/25 14:08	08/28/25 18:22	1
N-Nitrosodi-n-butylamine	<4.24		10.9	4.24	ug/L		08/21/25 14:08	08/28/25 18:22	1
N-Nitrosodi-n-propylamine	<1.00		10.9	1.00	ug/L		08/21/25 14:08	08/28/25 18:22	1
N-Nitrosodiphenylamine	<0.815		10.9	0.815	ug/L		08/21/25 14:08	08/28/25 18:22	1
N-Nitrosomethylethylamine	<5.33		10.9	5.33	ug/L		08/21/25 14:08	08/28/25 18:22	1
N-Nitrosopiperidine	<2.93		10.9	2.93	ug/L		08/21/25 14:08	08/28/25 18:22	1
N-Nitrosopyrrolidine	<3.91		10.9	3.91	ug/L		08/21/25 14:08	08/28/25 18:22	1
o,o',o''-Triethylphosphorothioate	<3.48		10.9	3.48	ug/L		08/21/25 14:08	08/28/25 18:22	1
o-Toluidine	<3.15		10.9	3.15	ug/L		08/21/25 14:08	08/28/25 18:22	1
p-Dimethylamino azobenzene	<2.39		10.9	2.39	ug/L		08/21/25 14:08	08/28/25 18:22	1
Pentachlorobenzene	<3.04		10.9	3.04	ug/L		08/21/25 14:08	08/28/25 18:22	1
Pentachloronitrobenzene	<6.30		10.9	6.30	ug/L		08/21/25 14:08	08/28/25 18:22	1
Pentachlorophenol	<10.4		10.9	10.4	ug/L		08/21/25 14:08	08/28/25 18:22	1
Phenacetin	<2.07		10.9	2.07	ug/L		08/21/25 14:08	08/28/25 18:22	1
Phenanthrene	<0.859		10.9	0.859	ug/L		08/21/25 14:08	08/28/25 18:22	1
Phenol	<1.20		10.9	1.20	ug/L		08/21/25 14:08	08/28/25 18:22	1
Phorate	<3.48		10.9	3.48	ug/L		08/21/25 14:08	08/28/25 18:22	1
Pronamide	<2.93		10.9	2.93	ug/L		08/21/25 14:08	08/28/25 18:22	1
Pyrene	<0.859		10.9	0.859	ug/L		08/21/25 14:08	08/28/25 18:22	1
Safrole	<3.04		10.9	3.04	ug/L		08/21/25 14:08	08/28/25 18:22	1
Thionazin	<3.80		10.9	3.80	ug/L		08/21/25 14:08	08/28/25 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*71*		*21 - 110*	*08/21/25 14:08*	*08/28/25 18:22*	*1*
Phenol-d5 (Surr)	*59*		*21 - 110*	*08/21/25 14:08*	*08/28/25 18:22*	*1*
Nitrobenzene-d5 (Surr)	*85*		*39 - 140*	*08/21/25 14:08*	*08/28/25 18:22*	*1*
2-Fluorobiphenyl (Surr)	*73*		*33 - 126*	*08/21/25 14:08*	*08/28/25 18:22*	*1*
2,4,6-Tribromophenol (Surr)	*99*		*20 - 144*	*08/21/25 14:08*	*08/28/25 18:22*	*1*
Terphenyl-d14 (Surr)	*111*		*13 - 150*	*08/21/25 14:08*	*08/28/25 18:22*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/19/25 20:03	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/19/25 20:03	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0225		0.0900	0.0225	ug/L		08/19/25 09:56	08/22/25 12:11	1
4,4'-DDE	<0.0270		0.0900	0.0270	ug/L		08/19/25 09:56	08/22/25 12:11	1
4,4'-DDT	<0.0180		0.0900	0.0180	ug/L		08/19/25 09:56	08/22/25 12:11	1
Aldrin	<0.0198		0.0900	0.0198	ug/L		08/19/25 09:56	08/22/25 12:11	1

Client Sample ID: MW-13_25_08
Lab Sample ID: 310-313508-5
Date Collected: 08/14/25 10:05
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00900		0.0900	0.00900	ug/L		08/19/25 09:56	08/22/25 12:11	1
beta-BHC	<0.0378		0.0900	0.0378	ug/L		08/19/25 09:56	08/22/25 12:11	1
Chlordane (technical)	<0.351		1.80	0.351	ug/L		08/19/25 09:56	08/22/25 12:11	1
delta-BHC	<0.0288		0.0900	0.0288	ug/L		08/19/25 09:56	08/22/25 12:11	1
Dieldrin	<0.0189		0.0900	0.0189	ug/L		08/19/25 09:56	08/22/25 12:11	1
Endosulfan I	<0.0252		0.0900	0.0252	ug/L		08/19/25 09:56	08/22/25 12:11	1
Endosulfan II	<0.0234		0.0900	0.0234	ug/L		08/19/25 09:56	08/22/25 12:11	1
Endosulfan sulfate	<0.0162		0.0900	0.0162	ug/L		08/19/25 09:56	08/22/25 12:11	1
Endrin	<0.0252		0.0900	0.0252	ug/L		08/19/25 09:56	08/22/25 12:11	1
Endrin aldehyde	<0.0243		0.0900	0.0243	ug/L		08/19/25 09:56	08/22/25 12:11	1
gamma-BHC (Lindane)	<0.00900		0.0900	0.00900	ug/L		08/19/25 09:56	08/22/25 12:11	1
Heptachlor	<0.0207		0.0900	0.0207	ug/L		08/19/25 09:56	08/22/25 12:11	1
Heptachlor epoxide	<0.0288		0.0900	0.0288	ug/L		08/19/25 09:56	08/22/25 12:11	1
Methoxychlor	<0.0288		0.0900	0.0288	ug/L		08/19/25 09:56	08/22/25 12:11	1
Toxaphene	<0.900		1.80	0.900	ug/L		08/19/25 09:56	08/22/25 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*14*		*10 - 150*	*08/19/25 09:56*	*08/22/25 12:11*	*1*
Tetrachloro-m-xylene	*69*		*17 - 150*	*08/19/25 09:56*	*08/22/25 12:11*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.738		1.80	0.738	ug/L		08/19/25 09:56	08/22/25 12:11	1
PCB-1221	<0.738		1.80	0.738	ug/L		08/19/25 09:56	08/22/25 12:11	1
PCB-1232	<0.738		1.80	0.738	ug/L		08/19/25 09:56	08/22/25 12:11	1
PCB-1242	<0.738		1.80	0.738	ug/L		08/19/25 09:56	08/22/25 12:11	1
PCB-1248	<0.621		1.80	0.621	ug/L		08/19/25 09:56	08/22/25 12:11	1
PCB-1254	<0.621		1.80	0.621	ug/L		08/19/25 09:56	08/22/25 12:11	1
PCB-1260	<0.621		1.80	0.621	ug/L		08/19/25 09:56	08/22/25 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*14*		*10 - 150*	*08/19/25 09:56*	*08/22/25 12:11*	*1*
Tetrachloro-m-xylene	*70*		*17 - 150*	*08/19/25 09:56*	*08/22/25 12:11*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.136	*1	1.08	0.136	ug/L		08/20/25 07:38	08/20/25 19:35	1
Silvex (2,4,5-TP)	<0.114	*+	1.08	0.114	ug/L		08/20/25 07:38	08/20/25 19:35	1
2,4,5-T	<0.152	*+ *1	1.08	0.152	ug/L		08/20/25 07:38	08/20/25 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*78*		*25 - 130*	*08/20/25 07:38*	*08/20/25 19:35*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/26/25 13:50	1
Arsenic	**0.0423**		0.00200	0.000530	mg/L		08/20/25 09:00	08/26/25 13:50	1
Barium	**0.669**		0.00200	0.000660	mg/L		08/20/25 09:00	08/26/25 13:50	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/26/25 13:50	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/26/25 13:50	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/26/25 13:50	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-13_25_08
Lab Sample ID: 310-313508-5

Date Collected: 08/14/25 10:05
Matrix: Water

Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00116**		0.000500	0.000170	mg/L		08/20/25 09:00	08/26/25 13:50	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/26/25 13:50	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/26/25 13:50	1
Nickel	**0.0118**		0.00500	0.00230	mg/L		08/20/25 09:00	08/26/25 13:50	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/26/25 13:50	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/26/25 13:50	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/20/25 09:00	08/26/25 13:50	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/26/25 13:50	1
Vanadium	**0.00207**	**J**	0.00500	0.00170	mg/L		08/20/25 09:00	08/26/25 13:50	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/20/25 09:00	08/26/25 13:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 11:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/19/25 09:19	08/19/25 22:40	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/20/25 16:29	08/20/25 17:06	1
Total Suspended Solids (USGS I-3765-85)	**87.0**		15.0	10.5	mg/L			08/19/25 13:42	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313508-1

Client Sample ID: MW-14_25_08
Date Collected: 08/14/25 11:00
Date Received: 08/15/25 14:45

Lab Sample ID: 310-313508-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 04:05	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 04:05	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 04:05	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 04:05	1
1,1-Dichloroethane	**1.65**		1.00	0.220	ug/L			08/19/25 04:05	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 04:05	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 04:05	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 04:05	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 04:05	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 04:05	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 04:05	1
1,2-Dichlorobenzene	**1.23**		1.00	0.370	ug/L			08/19/25 04:05	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 04:05	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 04:05	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 04:05	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 04:05	1
1,4-Dichlorobenzene	**10.2**		1.00	0.230	ug/L			08/19/25 04:05	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 04:05	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 04:05	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 04:05	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 04:05	1
Acetone	**3.59**	**J**	10.0	3.10	ug/L			08/19/25 04:05	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 04:05	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 04:05	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 04:05	1
Benzene	**0.840**		0.500	0.220	ug/L			08/19/25 04:05	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 04:05	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 04:05	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 04:05	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 04:05	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 04:05	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 04:05	1
Chlorobenzene	**2.16**		1.00	0.400	ug/L			08/19/25 04:05	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 04:05	1
Chloroethane	**1.91**	**J**	4.00	0.790	ug/L			08/19/25 04:05	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 04:05	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 04:05	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 04:05	1
cis-1,2-Dichloroethene	**0.514**	**J**	1.00	0.210	ug/L			08/19/25 04:05	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 04:05	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 04:05	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 04:05	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 04:05	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 04:05	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 04:05	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 04:05	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 04:05	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 04:05	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 04:05	1

Client Sample ID: MW-14_25_08
Lab Sample ID: 310-313508-6
Date Collected: 08/14/25 11:00
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 04:05	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 04:05	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 04:05	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 04:05	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 04:05	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 04:05	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 04:05	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 04:05	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 04:05	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 04:05	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 04:05	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 04:05	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 04:05	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 04:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*08/19/25 04:05*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/19/25 04:05*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/19/25 04:05*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.574		10.6	0.574	ug/L		08/21/25 14:08	08/28/25 18:48	1
1,3,5-Trinitrobenzene	<2.45		10.6	2.45	ug/L		08/21/25 14:08	08/28/25 18:48	1
1,3-Dinitrobenzene	<3.40		10.6	3.40	ug/L		08/21/25 14:08	08/28/25 18:48	1
1,4-Naphthoquinone	<3.83		10.6	3.83	ug/L		08/21/25 14:08	08/28/25 18:48	1
1,4-phenylenediamine	<2.02	*- *1	10.6	2.02	ug/L		08/21/25 14:08	08/28/25 18:48	1
1-Naphthylamine	<2.66		10.6	2.66	ug/L		08/21/25 14:08	08/28/25 18:48	1
2,3,4,6-Tetrachlorophenol	<5.64		10.6	5.64	ug/L		08/21/25 14:08	08/28/25 18:48	1
2,4,5-Trichlorophenol	<5.64		10.6	5.64	ug/L		08/21/25 14:08	08/28/25 18:48	1
2,4,6-Trichlorophenol	<5.32		10.6	5.32	ug/L		08/21/25 14:08	08/28/25 18:48	1
2,4-Dichlorophenol	<0.904		10.6	0.904	ug/L		08/21/25 14:08	08/28/25 18:48	1
2,4-Dimethylphenol	<0.617		10.6	0.617	ug/L		08/21/25 14:08	08/28/25 18:48	1
2,4-Dinitrophenol	<13.8		21.3	13.8	ug/L		08/21/25 14:08	08/28/25 18:48	1
2,4-Dinitrotoluene	<6.81		10.6	6.81	ug/L		08/21/25 14:08	08/28/25 18:48	1
2,6-Dichlorophenol	<0.734		10.6	0.734	ug/L		08/21/25 14:08	08/28/25 18:48	1
2,6-Dinitrotoluene	<0.553		10.6	0.553	ug/L		08/21/25 14:08	08/28/25 18:48	1
2-Acetylaminofluorene	<2.87		10.6	2.87	ug/L		08/21/25 14:08	08/28/25 18:48	1
2-Chloronaphthalene	<0.681		10.6	0.681	ug/L		08/21/25 14:08	08/28/25 18:48	1
2-Chlorophenol	<0.574		10.6	0.574	ug/L		08/21/25 14:08	08/28/25 18:48	1
2-Methylnaphthalene	<0.628		10.6	0.628	ug/L		08/21/25 14:08	08/28/25 18:48	1
2-Methylphenol	<0.691		10.6	0.691	ug/L		08/21/25 14:08	08/28/25 18:48	1
2-Naphthylamine	<2.23		10.6	2.23	ug/L		08/21/25 14:08	08/28/25 18:48	1
2-Nitroaniline	<6.28		10.6	6.28	ug/L		08/21/25 14:08	08/28/25 18:48	1
2-Nitrophenol	<7.23		10.6	7.23	ug/L		08/21/25 14:08	08/28/25 18:48	1
3,3'-Dichlorobenzidine	<1.49		10.6	1.49	ug/L		08/21/25 14:08	08/28/25 18:48	1
3,3'-Dimethylbenzidine	<1.60		10.6	1.60	ug/L		08/21/25 14:08	08/28/25 18:48	1
3-Methylcholanthrene	<0.340		10.6	0.340	ug/L		08/21/25 14:08	08/28/25 18:48	1
3-Nitroaniline	<2.87		10.6	2.87	ug/L		08/21/25 14:08	08/28/25 18:48	1
4,6-Dinitro-2-methylphenol	<7.34		10.6	7.34	ug/L		08/21/25 14:08	08/28/25 18:48	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-14_25_08
Lab Sample ID: 310-313508-6
Date Collected: 08/14/25 11:00
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.34		10.6	2.34	ug/L		08/21/25 14:08	08/28/25 18:48	1
4-Bromophenyl phenyl ether	<0.745		10.6	0.745	ug/L		08/21/25 14:08	08/28/25 18:48	1
4-Chloro-3-methylphenol	<0.894		10.6	0.894	ug/L		08/21/25 14:08	08/28/25 18:48	1
4-Chloroaniline	<0.660		10.6	0.660	ug/L		08/21/25 14:08	08/28/25 18:48	1
4-Chlorophenyl phenyl ether	<0.734		10.6	0.734	ug/L		08/21/25 14:08	08/28/25 18:48	1
Methylphenol, 3 & 4	<0.745		10.6	0.745	ug/L		08/21/25 14:08	08/28/25 18:48	1
4-Nitroaniline	<1.38		10.6	1.38	ug/L		08/21/25 14:08	08/28/25 18:48	1
4-Nitrophenol	<8.09		10.6	8.09	ug/L		08/21/25 14:08	08/28/25 18:48	1
5-Nitro-o-toluidine	<2.98		10.6	2.98	ug/L		08/21/25 14:08	08/28/25 18:48	1
7,12-Dimethylbenz(a)anthracene	<2.02		10.6	2.02	ug/L		08/21/25 14:08	08/28/25 18:48	1
Acenaphthene	<0.681		10.6	0.681	ug/L		08/21/25 14:08	08/28/25 18:48	1
Acenaphthylene	<0.766		10.6	0.766	ug/L		08/21/25 14:08	08/28/25 18:48	1
Acetophenone	<0.734		10.6	0.734	ug/L		08/21/25 14:08	08/28/25 18:48	1
Anthracene	<0.926		10.6	0.926	ug/L		08/21/25 14:08	08/28/25 18:48	1
Benzo[a]anthracene	<0.904		10.6	0.904	ug/L		08/21/25 14:08	08/28/25 18:48	1
Benzo[a]pyrene	<8.62		10.6	8.62	ug/L		08/21/25 14:08	08/28/25 18:48	1
Benzo[b]fluoranthene	<5.21		10.6	5.21	ug/L		08/21/25 14:08	08/28/25 18:48	1
Benzo[g,h,i]perylene	<6.70		10.6	6.70	ug/L		08/21/25 14:08	08/28/25 18:48	1
Benzo[k]fluoranthene	<2.34		10.6	2.34	ug/L		08/21/25 14:08	08/28/25 18:48	1
Benzyl alcohol	<1.38		10.6	1.38	ug/L		08/21/25 14:08	08/28/25 18:48	1
Bis(2-chloroethoxy)methane	<0.809		10.6	0.809	ug/L		08/21/25 14:08	08/28/25 18:48	1
Bis(2-chloroethyl)ether	<0.872		10.6	0.872	ug/L		08/21/25 14:08	08/28/25 18:48	1
2,2'-oxybis[1-chloropropane]	<0.574		10.6	0.574	ug/L		08/21/25 14:08	08/28/25 18:48	1
Bis(2-ethylhexyl) phthalate	<5.85		10.6	5.85	ug/L		08/21/25 14:08	08/28/25 18:48	1
Butyl benzyl phthalate	<5.74		10.6	5.74	ug/L		08/21/25 14:08	08/28/25 18:48	1
Chlorobenzilate	<3.83		10.6	3.83	ug/L		08/21/25 14:08	08/28/25 18:48	1
Chrysene	<0.926		10.6	0.926	ug/L		08/21/25 14:08	08/28/25 18:48	1
Diallate	<4.26		10.6	4.26	ug/L		08/21/25 14:08	08/28/25 18:48	1
Dibenzo(a,h)anthracene	<4.15		10.6	4.15	ug/L		08/21/25 14:08	08/28/25 18:48	1
Dibenzofuran	<0.787		10.6	0.787	ug/L		08/21/25 14:08	08/28/25 18:48	1
Diethyl phthalate	<1.81		10.6	1.81	ug/L		08/21/25 14:08	08/28/25 18:48	1
Dimethoate	<3.83	*+	10.6	3.83	ug/L		08/21/25 14:08	08/28/25 18:48	1
Dimethyl phthalate	<1.06		10.6	1.06	ug/L		08/21/25 14:08	08/28/25 18:48	1
Di-n-butyl phthalate	<5.96		10.6	5.96	ug/L		08/21/25 14:08	08/28/25 18:48	1
Di-n-octyl phthalate	<7.45		21.3	7.45	ug/L		08/21/25 14:08	08/28/25 18:48	1
Dinoseb	<2.55		10.6	2.55	ug/L		08/21/25 14:08	08/28/25 18:48	1
Diphenylamine	<6.38		10.6	6.38	ug/L		08/21/25 14:08	08/28/25 18:48	1
Disulfoton	<2.55	*1	10.6	2.55	ug/L		08/21/25 14:08	08/28/25 18:48	1
Ethyl methanesulfonate	<3.83		10.6	3.83	ug/L		08/21/25 14:08	08/28/25 18:48	1
Ethyl Parathion	<2.34		10.6	2.34	ug/L		08/21/25 14:08	08/28/25 18:48	1
Famphur	<4.04	*+	10.6	4.04	ug/L		08/21/25 14:08	08/28/25 18:48	1
Fluoranthene	<1.81		10.6	1.81	ug/L		08/21/25 14:08	08/28/25 18:48	1
Fluorene	<0.840		10.6	0.840	ug/L		08/21/25 14:08	08/28/25 18:48	1
Hexachlorobenzene	<0.745		10.6	0.745	ug/L		08/21/25 14:08	08/28/25 18:48	1
Hexachlorobutadiene	<0.915		10.6	0.915	ug/L		08/21/25 14:08	08/28/25 18:48	1
Hexachlorocyclopentadiene	<5.43		10.6	5.43	ug/L		08/21/25 14:08	08/28/25 18:48	1
Hexachloroethane	<1.03		10.6	1.03	ug/L		08/21/25 14:08	08/28/25 18:48	1
Hexachloropropene	<2.77		10.6	2.77	ug/L		08/21/25 14:08	08/28/25 18:48	1
Indeno[1,2,3-cd]pyrene	<4.47		10.6	4.47	ug/L		08/21/25 14:08	08/28/25 18:48	1

Client Sample ID: MW-14_25_08
Lab Sample ID: 310-313508-6
Date Collected: 08/14/25 11:00
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<5.00		10.6	5.00	ug/L		08/21/25 14:08	08/28/25 18:48	1
Isophorone	<0.989		10.6	0.989	ug/L		08/21/25 14:08	08/28/25 18:48	1
Isosafrole	<2.45		10.6	2.45	ug/L		08/21/25 14:08	08/28/25 18:48	1
Kepone	<1.06	*+	10.6	1.06	ug/L		08/21/25 14:08	08/28/25 18:48	1
Methapyrilene	<0.809	*- *1	10.6	0.809	ug/L		08/21/25 14:08	08/28/25 18:48	1
Methyl methanesulfonate	<3.51		10.6	3.51	ug/L		08/21/25 14:08	08/28/25 18:48	1
Methyl parathion	<2.45		10.6	2.45	ug/L		08/21/25 14:08	08/28/25 18:48	1
Nitrobenzene	<0.851		10.6	0.851	ug/L		08/21/25 14:08	08/28/25 18:48	1
N-Nitrosodiethylamine	<3.62		10.6	3.62	ug/L		08/21/25 14:08	08/28/25 18:48	1
N-Nitrosodimethylamine	<0.766		10.6	0.766	ug/L		08/21/25 14:08	08/28/25 18:48	1
N-Nitrosodi-n-butylamine	<4.15		10.6	4.15	ug/L		08/21/25 14:08	08/28/25 18:48	1
N-Nitrosodi-n-propylamine	<0.979		10.6	0.979	ug/L		08/21/25 14:08	08/28/25 18:48	1
N-Nitrosodiphenylamine	<0.798		10.6	0.798	ug/L		08/21/25 14:08	08/28/25 18:48	1
N-Nitrosomethylethylamine	<5.21		10.6	5.21	ug/L		08/21/25 14:08	08/28/25 18:48	1
N-Nitrosopiperidine	<2.87		10.6	2.87	ug/L		08/21/25 14:08	08/28/25 18:48	1
N-Nitrosopyrrolidine	<3.83		10.6	3.83	ug/L		08/21/25 14:08	08/28/25 18:48	1
o,o',o''-Triethylphosphorothioate	<3.40		10.6	3.40	ug/L		08/21/25 14:08	08/28/25 18:48	1
o-Toluidine	<3.09		10.6	3.09	ug/L		08/21/25 14:08	08/28/25 18:48	1
p-Dimethylamino azobenzene	<2.34		10.6	2.34	ug/L		08/21/25 14:08	08/28/25 18:48	1
Pentachlorobenzene	<2.98		10.6	2.98	ug/L		08/21/25 14:08	08/28/25 18:48	1
Pentachloronitrobenzene	<6.17		10.6	6.17	ug/L		08/21/25 14:08	08/28/25 18:48	1
Pentachlorophenol	<10.2		10.6	10.2	ug/L		08/21/25 14:08	08/28/25 18:48	1
Phenacetin	<2.02		10.6	2.02	ug/L		08/21/25 14:08	08/28/25 18:48	1
Phenanthrene	<0.840		10.6	0.840	ug/L		08/21/25 14:08	08/28/25 18:48	1
Phenol	<1.17		10.6	1.17	ug/L		08/21/25 14:08	08/28/25 18:48	1
Phorate	<3.40		10.6	3.40	ug/L		08/21/25 14:08	08/28/25 18:48	1
Pronamide	<2.87		10.6	2.87	ug/L		08/21/25 14:08	08/28/25 18:48	1
Pyrene	<0.840		10.6	0.840	ug/L		08/21/25 14:08	08/28/25 18:48	1
Safrole	<2.98		10.6	2.98	ug/L		08/21/25 14:08	08/28/25 18:48	1
Thionazin	<3.72		10.6	3.72	ug/L		08/21/25 14:08	08/28/25 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*73*		*21 - 110*	*08/21/25 14:08*	*08/28/25 18:48*	*1*
Phenol-d5 (Surr)	*58*		*21 - 110*	*08/21/25 14:08*	*08/28/25 18:48*	*1*
Nitrobenzene-d5 (Surr)	*91*		*39 - 140*	*08/21/25 14:08*	*08/28/25 18:48*	*1*
2-Fluorobiphenyl (Surr)	*81*		*33 - 126*	*08/21/25 14:08*	*08/28/25 18:48*	*1*
2,4,6-Tribromophenol (Surr)	*96*		*20 - 144*	*08/21/25 14:08*	*08/28/25 18:48*	*1*
Terphenyl-d14 (Surr)	*136*		*13 - 150*	*08/21/25 14:08*	*08/28/25 18:48*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/19/25 20:24	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/19/25 20:24	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0220		0.0879	0.0220	ug/L		08/19/25 09:56	08/22/25 12:24	1
4,4'-DDE	<0.0264		0.0879	0.0264	ug/L		08/19/25 09:56	08/22/25 12:24	1
4,4'-DDT	<0.0176		0.0879	0.0176	ug/L		08/19/25 09:56	08/22/25 12:24	1
Aldrin	<0.0193		0.0879	0.0193	ug/L		08/19/25 09:56	08/22/25 12:24	1

Client Sample ID: MW-14_25_08
Lab Sample ID: 310-313508-6
Date Collected: 08/14/25 11:00
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00879		0.0879	0.00879	ug/L		08/19/25 09:56	08/22/25 12:24	1
beta-BHC	<0.0369		0.0879	0.0369	ug/L		08/19/25 09:56	08/22/25 12:24	1
Chlordane (technical)	<0.343		1.76	0.343	ug/L		08/19/25 09:56	08/22/25 12:24	1
delta-BHC	<0.0281		0.0879	0.0281	ug/L		08/19/25 09:56	08/22/25 12:24	1
Dieldrin	<0.0185		0.0879	0.0185	ug/L		08/19/25 09:56	08/22/25 12:24	1
Endosulfan I	<0.0246		0.0879	0.0246	ug/L		08/19/25 09:56	08/22/25 12:24	1
Endosulfan II	<0.0229		0.0879	0.0229	ug/L		08/19/25 09:56	08/22/25 12:24	1
Endosulfan sulfate	<0.0158		0.0879	0.0158	ug/L		08/19/25 09:56	08/22/25 12:24	1
Endrin	<0.0246		0.0879	0.0246	ug/L		08/19/25 09:56	08/22/25 12:24	1
Endrin aldehyde	<0.0237		0.0879	0.0237	ug/L		08/19/25 09:56	08/22/25 12:24	1
gamma-BHC (Lindane)	<0.00879		0.0879	0.00879	ug/L		08/19/25 09:56	08/22/25 12:24	1
Heptachlor	<0.0202		0.0879	0.0202	ug/L		08/19/25 09:56	08/22/25 12:24	1
Heptachlor epoxide	<0.0281		0.0879	0.0281	ug/L		08/19/25 09:56	08/22/25 12:24	1
Methoxychlor	<0.0281		0.0879	0.0281	ug/L		08/19/25 09:56	08/22/25 12:24	1
Toxaphene	<0.879		1.76	0.879	ug/L		08/19/25 09:56	08/22/25 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*26*		*10 - 150*	*08/19/25 09:56*	*08/22/25 12:24*	*1*
Tetrachloro-m-xylene	*49*		*17 - 150*	*08/19/25 09:56*	*08/22/25 12:24*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.721		1.76	0.721	ug/L		08/19/25 09:56	08/22/25 12:24	1
PCB-1221	<0.721		1.76	0.721	ug/L		08/19/25 09:56	08/22/25 12:24	1
PCB-1232	<0.721		1.76	0.721	ug/L		08/19/25 09:56	08/22/25 12:24	1
PCB-1242	<0.721		1.76	0.721	ug/L		08/19/25 09:56	08/22/25 12:24	1
PCB-1248	<0.607		1.76	0.607	ug/L		08/19/25 09:56	08/22/25 12:24	1
PCB-1254	<0.607		1.76	0.607	ug/L		08/19/25 09:56	08/22/25 12:24	1
PCB-1260	<0.607		1.76	0.607	ug/L		08/19/25 09:56	08/22/25 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*26*		*10 - 150*	*08/19/25 09:56*	*08/22/25 12:24*	*1*
Tetrachloro-m-xylene	*50*		*17 - 150*	*08/19/25 09:56*	*08/22/25 12:24*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.140	*1	1.11	0.140	ug/L		08/20/25 07:38	08/20/25 19:53	1
Silvex (2,4,5-TP)	<0.117	*+	1.11	0.117	ug/L		08/20/25 07:38	08/20/25 19:53	1
2,4,5-T	<0.155	*+ *1	1.11	0.155	ug/L		08/20/25 07:38	08/20/25 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*77*		*25 - 130*	*08/20/25 07:38*	*08/20/25 19:53*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00138**	**J**	0.00200	0.00100	mg/L		08/20/25 09:00	08/26/25 13:58	1
Arsenic	**0.0189**		0.00200	0.000530	mg/L		08/20/25 09:00	08/26/25 13:58	1
Barium	**0.860**		0.00200	0.000660	mg/L		08/20/25 09:00	08/26/25 13:58	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/26/25 13:58	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/26/25 13:58	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/26/25 13:58	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-14_25_08
Lab Sample ID: 310-313508-6

Date Collected: 08/14/25 11:00
Matrix: Water

Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.000888**		0.000500	0.000170	mg/L		08/20/25 09:00	08/26/25 13:58	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/26/25 13:58	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/26/25 13:58	1
Nickel	**0.0155**		0.00500	0.00230	mg/L		08/20/25 09:00	08/26/25 13:58	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/26/25 13:58	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/26/25 13:58	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/20/25 09:00	08/26/25 13:58	1
Tin	**0.00378**	**J**	0.00500	0.00250	mg/L		08/20/25 09:00	08/26/25 13:58	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/26/25 13:58	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/20/25 09:00	08/26/25 13:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 11:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/19/25 09:19	08/19/25 22:43	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/20/25 16:30	08/20/25 17:08	1
Total Suspended Solids (USGS I-3765-85)	**84.0**		15.0	10.5	mg/L			08/19/25 13:42	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-15_25_08
Lab Sample ID: 310-313508-7
Date Collected: 08/15/25 09:30
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 04:27	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 04:27	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 04:27	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 04:27	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/19/25 04:27	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 04:27	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 04:27	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 04:27	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 04:27	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 04:27	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 04:27	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/19/25 04:27	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 04:27	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 04:27	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 04:27	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 04:27	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/19/25 04:27	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 04:27	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 04:27	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 04:27	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 04:27	1
Acetone	<3.10		10.0	3.10	ug/L			08/19/25 04:27	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 04:27	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 04:27	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 04:27	1
Benzene	<0.220		0.500	0.220	ug/L			08/19/25 04:27	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 04:27	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 04:27	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 04:27	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 04:27	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 04:27	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 04:27	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/19/25 04:27	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 04:27	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 04:27	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 04:27	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 04:27	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 04:27	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/19/25 04:27	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 04:27	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 04:27	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 04:27	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 04:27	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 04:27	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 04:27	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 04:27	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 04:27	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 04:27	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 04:27	1

Client Sample ID: MW-15_25_08
Lab Sample ID: 310-313508-7
Date Collected: 08/15/25 09:30
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 04:27	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 04:27	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 04:27	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 04:27	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 04:27	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 04:27	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 04:27	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 04:27	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 04:27	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 04:27	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 04:27	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 04:27	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 04:27	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*08/19/25 04:27*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*08/19/25 04:27*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/19/25 04:27*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.563		10.4	0.563	ug/L		08/21/25 14:08	08/28/25 19:15	1
1,3,5-Trinitrobenzene	<2.40		10.4	2.40	ug/L		08/21/25 14:08	08/28/25 19:15	1
1,3-Dinitrobenzene	<3.33		10.4	3.33	ug/L		08/21/25 14:08	08/28/25 19:15	1
1,4-Naphthoquinone	<3.75		10.4	3.75	ug/L		08/21/25 14:08	08/28/25 19:15	1
1,4-phenylenediamine	<1.98	*- *1	10.4	1.98	ug/L		08/21/25 14:08	08/28/25 19:15	1
1-Naphthylamine	<2.60		10.4	2.60	ug/L		08/21/25 14:08	08/28/25 19:15	1
2,3,4,6-Tetrachlorophenol	<5.52		10.4	5.52	ug/L		08/21/25 14:08	08/28/25 19:15	1
2,4,5-Trichlorophenol	<5.52		10.4	5.52	ug/L		08/21/25 14:08	08/28/25 19:15	1
2,4,6-Trichlorophenol	<5.21		10.4	5.21	ug/L		08/21/25 14:08	08/28/25 19:15	1
2,4-Dichlorophenol	<0.885		10.4	0.885	ug/L		08/21/25 14:08	08/28/25 19:15	1
2,4-Dimethylphenol	<0.604		10.4	0.604	ug/L		08/21/25 14:08	08/28/25 19:15	1
2,4-Dinitrophenol	<13.5		20.8	13.5	ug/L		08/21/25 14:08	08/28/25 19:15	1
2,4-Dinitrotoluene	<6.67		10.4	6.67	ug/L		08/21/25 14:08	08/28/25 19:15	1
2,6-Dichlorophenol	<0.719		10.4	0.719	ug/L		08/21/25 14:08	08/28/25 19:15	1
2,6-Dinitrotoluene	<0.542		10.4	0.542	ug/L		08/21/25 14:08	08/28/25 19:15	1
2-Acetylaminofluorene	<2.81		10.4	2.81	ug/L		08/21/25 14:08	08/28/25 19:15	1
2-Chloronaphthalene	<0.667		10.4	0.667	ug/L		08/21/25 14:08	08/28/25 19:15	1
2-Chlorophenol	<0.563		10.4	0.563	ug/L		08/21/25 14:08	08/28/25 19:15	1
2-Methylnaphthalene	<0.615		10.4	0.615	ug/L		08/21/25 14:08	08/28/25 19:15	1
2-Methylphenol	<0.677		10.4	0.677	ug/L		08/21/25 14:08	08/28/25 19:15	1
2-Naphthylamine	<2.19		10.4	2.19	ug/L		08/21/25 14:08	08/28/25 19:15	1
2-Nitroaniline	<6.15		10.4	6.15	ug/L		08/21/25 14:08	08/28/25 19:15	1
2-Nitrophenol	<7.08		10.4	7.08	ug/L		08/21/25 14:08	08/28/25 19:15	1
3,3'-Dichlorobenzidine	<1.46		10.4	1.46	ug/L		08/21/25 14:08	08/28/25 19:15	1
3,3'-Dimethylbenzidine	<1.56		10.4	1.56	ug/L		08/21/25 14:08	08/28/25 19:15	1
3-Methylcholanthrene	<0.333		10.4	0.333	ug/L		08/21/25 14:08	08/28/25 19:15	1
3-Nitroaniline	<2.81		10.4	2.81	ug/L		08/21/25 14:08	08/28/25 19:15	1
4,6-Dinitro-2-methylphenol	<7.19		10.4	7.19	ug/L		08/21/25 14:08	08/28/25 19:15	1

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Date Collected: 08/15/25 09:30
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.29		10.4	2.29	ug/L		08/21/25 14:08	08/28/25 19:15	1
4-Bromophenyl phenyl ether	<0.729		10.4	0.729	ug/L		08/21/25 14:08	08/28/25 19:15	1
4-Chloro-3-methylphenol	<0.875		10.4	0.875	ug/L		08/21/25 14:08	08/28/25 19:15	1
4-Chloroaniline	<0.646		10.4	0.646	ug/L		08/21/25 14:08	08/28/25 19:15	1
4-Chlorophenyl phenyl ether	<0.719		10.4	0.719	ug/L		08/21/25 14:08	08/28/25 19:15	1
Methylphenol, 3 & 4	<0.729		10.4	0.729	ug/L		08/21/25 14:08	08/28/25 19:15	1
4-Nitroaniline	<1.35		10.4	1.35	ug/L		08/21/25 14:08	08/28/25 19:15	1
4-Nitrophenol	<7.92		10.4	7.92	ug/L		08/21/25 14:08	08/28/25 19:15	1
5-Nitro-o-toluidine	<2.92		10.4	2.92	ug/L		08/21/25 14:08	08/28/25 19:15	1
7,12-Dimethylbenz(a)anthracene	<1.98		10.4	1.98	ug/L		08/21/25 14:08	08/28/25 19:15	1
Acenaphthene	<0.667		10.4	0.667	ug/L		08/21/25 14:08	08/28/25 19:15	1
Acenaphthylene	<0.750		10.4	0.750	ug/L		08/21/25 14:08	08/28/25 19:15	1
Acetophenone	<0.719		10.4	0.719	ug/L		08/21/25 14:08	08/28/25 19:15	1
Anthracene	<0.906		10.4	0.906	ug/L		08/21/25 14:08	08/28/25 19:15	1
Benzo[a]anthracene	<0.885		10.4	0.885	ug/L		08/21/25 14:08	08/28/25 19:15	1
Benzo[a]pyrene	<8.44		10.4	8.44	ug/L		08/21/25 14:08	08/28/25 19:15	1
Benzo[b]fluoranthene	<5.10		10.4	5.10	ug/L		08/21/25 14:08	08/28/25 19:15	1
Benzo[g,h,i]perylene	<6.56		10.4	6.56	ug/L		08/21/25 14:08	08/28/25 19:15	1
Benzo[k]fluoranthene	<2.29		10.4	2.29	ug/L		08/21/25 14:08	08/28/25 19:15	1
Benzyl alcohol	<1.35		10.4	1.35	ug/L		08/21/25 14:08	08/28/25 19:15	1
Bis(2-chloroethoxy)methane	<0.792		10.4	0.792	ug/L		08/21/25 14:08	08/28/25 19:15	1
Bis(2-chloroethyl)ether	<0.854		10.4	0.854	ug/L		08/21/25 14:08	08/28/25 19:15	1
2,2'-oxybis[1-chloropropane]	<0.563		10.4	0.563	ug/L		08/21/25 14:08	08/28/25 19:15	1
Bis(2-ethylhexyl) phthalate	<5.73		10.4	5.73	ug/L		08/21/25 14:08	08/28/25 19:15	1
Butyl benzyl phthalate	<5.63		10.4	5.63	ug/L		08/21/25 14:08	08/28/25 19:15	1
Chlorobenzilate	<3.75		10.4	3.75	ug/L		08/21/25 14:08	08/28/25 19:15	1
Chrysene	<0.906		10.4	0.906	ug/L		08/21/25 14:08	08/28/25 19:15	1
Diallate	<4.17		10.4	4.17	ug/L		08/21/25 14:08	08/28/25 19:15	1
Dibenzo(a,h)anthracene	<4.06		10.4	4.06	ug/L		08/21/25 14:08	08/28/25 19:15	1
Dibenzofuran	<0.771		10.4	0.771	ug/L		08/21/25 14:08	08/28/25 19:15	1
Diethyl phthalate	<1.77		10.4	1.77	ug/L		08/21/25 14:08	08/28/25 19:15	1
Dimethoate	<3.75	*+	10.4	3.75	ug/L		08/21/25 14:08	08/28/25 19:15	1
Dimethyl phthalate	<1.04		10.4	1.04	ug/L		08/21/25 14:08	08/28/25 19:15	1
Di-n-butyl phthalate	<5.83		10.4	5.83	ug/L		08/21/25 14:08	08/28/25 19:15	1
Di-n-octyl phthalate	<7.29		20.8	7.29	ug/L		08/21/25 14:08	08/28/25 19:15	1
Dinoseb	<2.50		10.4	2.50	ug/L		08/21/25 14:08	08/28/25 19:15	1
Diphenylamine	<6.25		10.4	6.25	ug/L		08/21/25 14:08	08/28/25 19:15	1
Disulfoton	<2.50	*1	10.4	2.50	ug/L		08/21/25 14:08	08/28/25 19:15	1
Ethyl methanesulfonate	<3.75		10.4	3.75	ug/L		08/21/25 14:08	08/28/25 19:15	1
Ethyl Parathion	<2.29		10.4	2.29	ug/L		08/21/25 14:08	08/28/25 19:15	1
Famphur	<3.96	*+	10.4	3.96	ug/L		08/21/25 14:08	08/28/25 19:15	1
Fluoranthene	<1.77		10.4	1.77	ug/L		08/21/25 14:08	08/28/25 19:15	1
Fluorene	<0.823		10.4	0.823	ug/L		08/21/25 14:08	08/28/25 19:15	1
Hexachlorobenzene	<0.729		10.4	0.729	ug/L		08/21/25 14:08	08/28/25 19:15	1
Hexachlorobutadiene	<0.896		10.4	0.896	ug/L		08/21/25 14:08	08/28/25 19:15	1
Hexachlorocyclopentadiene	<5.31		10.4	5.31	ug/L		08/21/25 14:08	08/28/25 19:15	1
Hexachloroethane	<1.01		10.4	1.01	ug/L		08/21/25 14:08	08/28/25 19:15	1
Hexachloropropene	<2.71		10.4	2.71	ug/L		08/21/25 14:08	08/28/25 19:15	1
Indeno[1,2,3-cd]pyrene	<4.38		10.4	4.38	ug/L		08/21/25 14:08	08/28/25 19:15	1

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Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.90		10.4	4.90	ug/L		08/21/25 14:08	08/28/25 19:15	1
Isophorone	<0.969		10.4	0.969	ug/L		08/21/25 14:08	08/28/25 19:15	1
Isosafrole	<2.40		10.4	2.40	ug/L		08/21/25 14:08	08/28/25 19:15	1
Kepone	<1.04	*+	10.4	1.04	ug/L		08/21/25 14:08	08/28/25 19:15	1
Methapyrilene	<0.792	*- *1	10.4	0.792	ug/L		08/21/25 14:08	08/28/25 19:15	1
Methyl methanesulfonate	<3.44		10.4	3.44	ug/L		08/21/25 14:08	08/28/25 19:15	1
Methyl parathion	<2.40		10.4	2.40	ug/L		08/21/25 14:08	08/28/25 19:15	1
Nitrobenzene	<0.833		10.4	0.833	ug/L		08/21/25 14:08	08/28/25 19:15	1
N-Nitrosodiethylamine	<3.54		10.4	3.54	ug/L		08/21/25 14:08	08/28/25 19:15	1
N-Nitrosodimethylamine	<0.750		10.4	0.750	ug/L		08/21/25 14:08	08/28/25 19:15	1
N-Nitrosodi-n-butylamine	<4.06		10.4	4.06	ug/L		08/21/25 14:08	08/28/25 19:15	1
N-Nitrosodi-n-propylamine	<0.958		10.4	0.958	ug/L		08/21/25 14:08	08/28/25 19:15	1
N-Nitrosodiphenylamine	<0.781		10.4	0.781	ug/L		08/21/25 14:08	08/28/25 19:15	1
N-Nitrosomethylethylamine	<5.10		10.4	5.10	ug/L		08/21/25 14:08	08/28/25 19:15	1
N-Nitrosopiperidine	<2.81		10.4	2.81	ug/L		08/21/25 14:08	08/28/25 19:15	1
N-Nitrosopyrrolidine	<3.75		10.4	3.75	ug/L		08/21/25 14:08	08/28/25 19:15	1
o,o',o''-Triethylphosphorothioate	<3.33		10.4	3.33	ug/L		08/21/25 14:08	08/28/25 19:15	1
o-Toluidine	<3.02		10.4	3.02	ug/L		08/21/25 14:08	08/28/25 19:15	1
p-Dimethylamino azobenzene	<2.29		10.4	2.29	ug/L		08/21/25 14:08	08/28/25 19:15	1
Pentachlorobenzene	<2.92		10.4	2.92	ug/L		08/21/25 14:08	08/28/25 19:15	1
Pentachloronitrobenzene	<6.04		10.4	6.04	ug/L		08/21/25 14:08	08/28/25 19:15	1
Pentachlorophenol	<10.0		10.4	10.0	ug/L		08/21/25 14:08	08/28/25 19:15	1
Phenacetin	<1.98		10.4	1.98	ug/L		08/21/25 14:08	08/28/25 19:15	1
Phenanthrene	<0.823		10.4	0.823	ug/L		08/21/25 14:08	08/28/25 19:15	1
Phenol	<1.15		10.4	1.15	ug/L		08/21/25 14:08	08/28/25 19:15	1
Phorate	<3.33		10.4	3.33	ug/L		08/21/25 14:08	08/28/25 19:15	1
Pronamide	<2.81		10.4	2.81	ug/L		08/21/25 14:08	08/28/25 19:15	1
Pyrene	<0.823		10.4	0.823	ug/L		08/21/25 14:08	08/28/25 19:15	1
Safrole	<2.92		10.4	2.92	ug/L		08/21/25 14:08	08/28/25 19:15	1
Thionazin	<3.65		10.4	3.65	ug/L		08/21/25 14:08	08/28/25 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*78*		*21 - 110*	*08/21/25 14:08*	*08/28/25 19:15*	*1*
Phenol-d5 (Surr)	*62*		*21 - 110*	*08/21/25 14:08*	*08/28/25 19:15*	*1*
Nitrobenzene-d5 (Surr)	*103*		*39 - 140*	*08/21/25 14:08*	*08/28/25 19:15*	*1*
2-Fluorobiphenyl (Surr)	*95*		*33 - 126*	*08/21/25 14:08*	*08/28/25 19:15*	*1*
2,4,6-Tribromophenol (Surr)	*94*		*20 - 144*	*08/21/25 14:08*	*08/28/25 19:15*	*1*
Terphenyl-d14 (Surr)	*131*		*13 - 150*	*08/21/25 14:08*	*08/28/25 19:15*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/19/25 20:45	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/19/25 20:45	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0226		0.0904	0.0226	ug/L		08/19/25 09:56	08/22/25 13:43	1
4,4'-DDE	<0.0271		0.0904	0.0271	ug/L		08/19/25 09:56	08/22/25 13:43	1
4,4'-DDT	<0.0181		0.0904	0.0181	ug/L		08/19/25 09:56	08/22/25 13:43	1
Aldrin	<0.0199		0.0904	0.0199	ug/L		08/19/25 09:56	08/22/25 13:43	1

Client Sample ID: MW-15_25_08
Lab Sample ID: 310-313508-7
Date Collected: 08/15/25 09:30
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00904		0.0904	0.00904	ug/L		08/19/25 09:56	08/22/25 13:43	1
beta-BHC	<0.0380		0.0904	0.0380	ug/L		08/19/25 09:56	08/22/25 13:43	1
Chlordane (technical)	<0.353		1.81	0.353	ug/L		08/19/25 09:56	08/22/25 13:43	1
delta-BHC	<0.0289		0.0904	0.0289	ug/L		08/19/25 09:56	08/22/25 13:43	1
Dieldrin	<0.0190		0.0904	0.0190	ug/L		08/19/25 09:56	08/22/25 13:43	1
Endosulfan I	<0.0253		0.0904	0.0253	ug/L		08/19/25 09:56	08/22/25 13:43	1
Endosulfan II	<0.0235		0.0904	0.0235	ug/L		08/19/25 09:56	08/22/25 13:43	1
Endosulfan sulfate	<0.0163		0.0904	0.0163	ug/L		08/19/25 09:56	08/22/25 13:43	1
Endrin	<0.0253		0.0904	0.0253	ug/L		08/19/25 09:56	08/22/25 13:43	1
Endrin aldehyde	<0.0244		0.0904	0.0244	ug/L		08/19/25 09:56	08/22/25 13:43	1
gamma-BHC (Lindane)	<0.00904		0.0904	0.00904	ug/L		08/19/25 09:56	08/22/25 13:43	1
Heptachlor	<0.0208		0.0904	0.0208	ug/L		08/19/25 09:56	08/22/25 13:43	1
Heptachlor epoxide	<0.0289		0.0904	0.0289	ug/L		08/19/25 09:56	08/22/25 13:43	1
Methoxychlor	<0.0289		0.0904	0.0289	ug/L		08/19/25 09:56	08/22/25 13:43	1
Toxaphene	<0.904		1.81	0.904	ug/L		08/19/25 09:56	08/22/25 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*42*		*10 - 150*	*08/19/25 09:56*	*08/22/25 13:43*	*1*
Tetrachloro-m-xylene	*76*		*17 - 150*	*08/19/25 09:56*	*08/22/25 13:43*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.742		1.81	0.742	ug/L		08/19/25 09:56	08/22/25 13:43	1
PCB-1221	<0.742		1.81	0.742	ug/L		08/19/25 09:56	08/22/25 13:43	1
PCB-1232	<0.742		1.81	0.742	ug/L		08/19/25 09:56	08/22/25 13:43	1
PCB-1242	<0.742		1.81	0.742	ug/L		08/19/25 09:56	08/22/25 13:43	1
PCB-1248	<0.624		1.81	0.624	ug/L		08/19/25 09:56	08/22/25 13:43	1
PCB-1254	<0.624		1.81	0.624	ug/L		08/19/25 09:56	08/22/25 13:43	1
PCB-1260	<0.624		1.81	0.624	ug/L		08/19/25 09:56	08/22/25 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*43*		*10 - 150*	*08/19/25 09:56*	*08/22/25 13:43*	*1*
Tetrachloro-m-xylene	*78*		*17 - 150*	*08/19/25 09:56*	*08/22/25 13:43*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.133	*1	1.05	0.133	ug/L		08/20/25 07:38	08/20/25 20:10	1
Silvex (2,4,5-TP)	<0.110	*+	1.05	0.110	ug/L		08/20/25 07:38	08/20/25 20:10	1
2,4,5-T	<0.147	*+ *1	1.05	0.147	ug/L		08/20/25 07:38	08/20/25 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*74*		*25 - 130*	*08/20/25 07:38*	*08/20/25 20:10*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/26/25 14:01	1
Arsenic	**0.000924**	**J**	0.00200	0.000530	mg/L		08/20/25 09:00	08/26/25 14:01	1
Barium	**0.0360**		0.00200	0.000660	mg/L		08/20/25 09:00	08/26/25 14:01	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/26/25 14:01	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/26/25 14:01	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/26/25 14:01	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-15_25_08
Lab Sample ID: 310-313508-7
Date Collected: 08/15/25 09:30
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00216**		0.000500	0.000170	mg/L		08/20/25 09:00	08/26/25 14:01	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/26/25 14:01	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/26/25 14:01	1
Nickel	**0.00934**		0.00500	0.00230	mg/L		08/20/25 09:00	08/26/25 14:01	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/26/25 14:01	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/26/25 14:01	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/20/25 09:00	08/26/25 14:01	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/26/25 14:01	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/26/25 14:01	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/20/25 09:00	08/26/25 14:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/19/25 09:19	08/19/25 22:43	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/21/25 14:30	08/21/25 16:16	1
Total Suspended Solids (USGS I-3765-85)	**3.38**		1.88	1.31	mg/L			08/19/25 13:42	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-16_25_08

Lab Sample ID: 310-313508-8

Date Collected: 08/15/25 10:15

Matrix: Water

Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 04:49	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 04:49	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 04:49	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 04:49	1
1,1-Dichloroethane	**1.12**		1.00	0.220	ug/L			08/19/25 04:49	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 04:49	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 04:49	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 04:49	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 04:49	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 04:49	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 04:49	1
1,2-Dichlorobenzene	**0.864**	**J**	1.00	0.370	ug/L			08/19/25 04:49	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 04:49	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 04:49	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 04:49	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 04:49	1
1,4-Dichlorobenzene	**5.34**		1.00	0.230	ug/L			08/19/25 04:49	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 04:49	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 04:49	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 04:49	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 04:49	1
Acetone	<3.10		10.0	3.10	ug/L			08/19/25 04:49	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 04:49	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 04:49	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 04:49	1
Benzene	<0.220		0.500	0.220	ug/L			08/19/25 04:49	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 04:49	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 04:49	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 04:49	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 04:49	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 04:49	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 04:49	1
Chlorobenzene	**0.614**	**J**	1.00	0.400	ug/L			08/19/25 04:49	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 04:49	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 04:49	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 04:49	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 04:49	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 04:49	1
cis-1,2-Dichloroethene	**0.565**	**J**	1.00	0.210	ug/L			08/19/25 04:49	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 04:49	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 04:49	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 04:49	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 04:49	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 04:49	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 04:49	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 04:49	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 04:49	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 04:49	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 04:49	1

Client Sample ID: MW-16_25_08
Lab Sample ID: 310-313508-8
Date Collected: 08/15/25 10:15
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 04:49	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 04:49	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 04:49	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 04:49	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 04:49	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 04:49	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 04:49	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 04:49	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 04:49	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 04:49	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 04:49	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 04:49	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 04:49	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 04:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*08/19/25 04:49*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/19/25 04:49*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/19/25 04:49*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.519		9.62	0.519	ug/L		08/21/25 14:08	08/28/25 19:41	1
1,3,5-Trinitrobenzene	<2.21		9.62	2.21	ug/L		08/21/25 14:08	08/28/25 19:41	1
1,3-Dinitrobenzene	<3.08		9.62	3.08	ug/L		08/21/25 14:08	08/28/25 19:41	1
1,4-Naphthoquinone	<3.46		9.62	3.46	ug/L		08/21/25 14:08	08/28/25 19:41	1
1,4-phenylenediamine	<1.83	*- *1	9.62	1.83	ug/L		08/21/25 14:08	08/28/25 19:41	1
1-Naphthylamine	<2.40		9.62	2.40	ug/L		08/21/25 14:08	08/28/25 19:41	1
2,3,4,6-Tetrachlorophenol	<5.10		9.62	5.10	ug/L		08/21/25 14:08	08/28/25 19:41	1
2,4,5-Trichlorophenol	<5.10		9.62	5.10	ug/L		08/21/25 14:08	08/28/25 19:41	1
2,4,6-Trichlorophenol	<4.81		9.62	4.81	ug/L		08/21/25 14:08	08/28/25 19:41	1
2,4-Dichlorophenol	<0.817		9.62	0.817	ug/L		08/21/25 14:08	08/28/25 19:41	1
2,4-Dimethylphenol	<0.558		9.62	0.558	ug/L		08/21/25 14:08	08/28/25 19:41	1
2,4-Dinitrophenol	<12.5		19.2	12.5	ug/L		08/21/25 14:08	08/28/25 19:41	1
2,4-Dinitrotoluene	<6.15		9.62	6.15	ug/L		08/21/25 14:08	08/28/25 19:41	1
2,6-Dichlorophenol	<0.663		9.62	0.663	ug/L		08/21/25 14:08	08/28/25 19:41	1
2,6-Dinitrotoluene	<0.500		9.62	0.500	ug/L		08/21/25 14:08	08/28/25 19:41	1
2-Acetylaminofluorene	<2.60		9.62	2.60	ug/L		08/21/25 14:08	08/28/25 19:41	1
2-Chloronaphthalene	<0.615		9.62	0.615	ug/L		08/21/25 14:08	08/28/25 19:41	1
2-Chlorophenol	<0.519		9.62	0.519	ug/L		08/21/25 14:08	08/28/25 19:41	1
2-Methylnaphthalene	<0.567		9.62	0.567	ug/L		08/21/25 14:08	08/28/25 19:41	1
2-Methylphenol	<0.625		9.62	0.625	ug/L		08/21/25 14:08	08/28/25 19:41	1
2-Naphthylamine	<2.02		9.62	2.02	ug/L		08/21/25 14:08	08/28/25 19:41	1
2-Nitroaniline	<5.67		9.62	5.67	ug/L		08/21/25 14:08	08/28/25 19:41	1
2-Nitrophenol	<6.54		9.62	6.54	ug/L		08/21/25 14:08	08/28/25 19:41	1
3,3'-Dichlorobenzidine	<1.35		9.62	1.35	ug/L		08/21/25 14:08	08/28/25 19:41	1
3,3'-Dimethylbenzidine	<1.44		9.62	1.44	ug/L		08/21/25 14:08	08/28/25 19:41	1
3-Methylcholanthrene	<0.308		9.62	0.308	ug/L		08/21/25 14:08	08/28/25 19:41	1
3-Nitroaniline	<2.60		9.62	2.60	ug/L		08/21/25 14:08	08/28/25 19:41	1
4,6-Dinitro-2-methylphenol	<6.63		9.62	6.63	ug/L		08/21/25 14:08	08/28/25 19:41	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-16_25_08
Lab Sample ID: 310-313508-8
Date Collected: 08/15/25 10:15
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.12		9.62	2.12	ug/L		08/21/25 14:08	08/28/25 19:41	1
4-Bromophenyl phenyl ether	<0.673		9.62	0.673	ug/L		08/21/25 14:08	08/28/25 19:41	1
4-Chloro-3-methylphenol	<0.808		9.62	0.808	ug/L		08/21/25 14:08	08/28/25 19:41	1
4-Chloroaniline	<0.596		9.62	0.596	ug/L		08/21/25 14:08	08/28/25 19:41	1
4-Chlorophenyl phenyl ether	<0.663		9.62	0.663	ug/L		08/21/25 14:08	08/28/25 19:41	1
Methylphenol, 3 & 4	<0.673		9.62	0.673	ug/L		08/21/25 14:08	08/28/25 19:41	1
4-Nitroaniline	<1.25		9.62	1.25	ug/L		08/21/25 14:08	08/28/25 19:41	1
4-Nitrophenol	<7.31		9.62	7.31	ug/L		08/21/25 14:08	08/28/25 19:41	1
5-Nitro-o-toluidine	<2.69		9.62	2.69	ug/L		08/21/25 14:08	08/28/25 19:41	1
7,12-Dimethylbenz(a)anthracene	<1.83		9.62	1.83	ug/L		08/21/25 14:08	08/28/25 19:41	1
Acenaphthene	<0.615		9.62	0.615	ug/L		08/21/25 14:08	08/28/25 19:41	1
Acenaphthylene	<0.692		9.62	0.692	ug/L		08/21/25 14:08	08/28/25 19:41	1
Acetophenone	<0.663		9.62	0.663	ug/L		08/21/25 14:08	08/28/25 19:41	1
Anthracene	<0.837		9.62	0.837	ug/L		08/21/25 14:08	08/28/25 19:41	1
Benzo[a]anthracene	<0.817		9.62	0.817	ug/L		08/21/25 14:08	08/28/25 19:41	1
Benzo[a]pyrene	<7.79		9.62	7.79	ug/L		08/21/25 14:08	08/28/25 19:41	1
Benzo[b]fluoranthene	<4.71		9.62	4.71	ug/L		08/21/25 14:08	08/28/25 19:41	1
Benzo[g,h,i]perylene	<6.06		9.62	6.06	ug/L		08/21/25 14:08	08/28/25 19:41	1
Benzo[k]fluoranthene	<2.12		9.62	2.12	ug/L		08/21/25 14:08	08/28/25 19:41	1
Benzyl alcohol	<1.25		9.62	1.25	ug/L		08/21/25 14:08	08/28/25 19:41	1
Bis(2-chloroethoxy)methane	<0.731		9.62	0.731	ug/L		08/21/25 14:08	08/28/25 19:41	1
Bis(2-chloroethyl)ether	<0.788		9.62	0.788	ug/L		08/21/25 14:08	08/28/25 19:41	1
2,2'-oxybis[1-chloropropane]	<0.519		9.62	0.519	ug/L		08/21/25 14:08	08/28/25 19:41	1
Bis(2-ethylhexyl) phthalate	<5.29		9.62	5.29	ug/L		08/21/25 14:08	08/28/25 19:41	1
Butyl benzyl phthalate	<5.19		9.62	5.19	ug/L		08/21/25 14:08	08/28/25 19:41	1
Chlorobenzilate	<3.46		9.62	3.46	ug/L		08/21/25 14:08	08/28/25 19:41	1
Chrysene	<0.837		9.62	0.837	ug/L		08/21/25 14:08	08/28/25 19:41	1
Diallate	<3.85		9.62	3.85	ug/L		08/21/25 14:08	08/28/25 19:41	1
Dibenzo(a,h)anthracene	<3.75		9.62	3.75	ug/L		08/21/25 14:08	08/28/25 19:41	1
Dibenzofuran	<0.712		9.62	0.712	ug/L		08/21/25 14:08	08/28/25 19:41	1
Diethyl phthalate	<1.63		9.62	1.63	ug/L		08/21/25 14:08	08/28/25 19:41	1
Dimethoate	<3.46	*+	9.62	3.46	ug/L		08/21/25 14:08	08/28/25 19:41	1
Dimethyl phthalate	<0.962		9.62	0.962	ug/L		08/21/25 14:08	08/28/25 19:41	1
Di-n-butyl phthalate	<5.38		9.62	5.38	ug/L		08/21/25 14:08	08/28/25 19:41	1
Di-n-octyl phthalate	<6.73		19.2	6.73	ug/L		08/21/25 14:08	08/28/25 19:41	1
Dinoseb	<2.31		9.62	2.31	ug/L		08/21/25 14:08	08/28/25 19:41	1
Diphenylamine	<5.77		9.62	5.77	ug/L		08/21/25 14:08	08/28/25 19:41	1
Disulfoton	<2.31	*1	9.62	2.31	ug/L		08/21/25 14:08	08/28/25 19:41	1
Ethyl methanesulfonate	<3.46		9.62	3.46	ug/L		08/21/25 14:08	08/28/25 19:41	1
Ethyl Parathion	<2.12		9.62	2.12	ug/L		08/21/25 14:08	08/28/25 19:41	1
Famphur	<3.65	*+	9.62	3.65	ug/L		08/21/25 14:08	08/28/25 19:41	1
Fluoranthene	<1.63		9.62	1.63	ug/L		08/21/25 14:08	08/28/25 19:41	1
Fluorene	<0.760		9.62	0.760	ug/L		08/21/25 14:08	08/28/25 19:41	1
Hexachlorobenzene	<0.673		9.62	0.673	ug/L		08/21/25 14:08	08/28/25 19:41	1
Hexachlorobutadiene	<0.827		9.62	0.827	ug/L		08/21/25 14:08	08/28/25 19:41	1
Hexachlorocyclopentadiene	<4.90		9.62	4.90	ug/L		08/21/25 14:08	08/28/25 19:41	1
Hexachloroethane	<0.933		9.62	0.933	ug/L		08/21/25 14:08	08/28/25 19:41	1
Hexachloropropene	<2.50		9.62	2.50	ug/L		08/21/25 14:08	08/28/25 19:41	1
Indeno[1,2,3-cd]pyrene	<4.04		9.62	4.04	ug/L		08/21/25 14:08	08/28/25 19:41	1

Client Sample ID: MW-16_25_08
Lab Sample ID: 310-313508-8
Date Collected: 08/15/25 10:15
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.52		9.62	4.52	ug/L		08/21/25 14:08	08/28/25 19:41	1
Isophorone	<0.894		9.62	0.894	ug/L		08/21/25 14:08	08/28/25 19:41	1
Isosafrole	<2.21		9.62	2.21	ug/L		08/21/25 14:08	08/28/25 19:41	1
Kepone	<0.962	*+	9.62	0.962	ug/L		08/21/25 14:08	08/28/25 19:41	1
Methapyrilene	<0.731	*- *1	9.62	0.731	ug/L		08/21/25 14:08	08/28/25 19:41	1
Methyl methanesulfonate	<3.17		9.62	3.17	ug/L		08/21/25 14:08	08/28/25 19:41	1
Methyl parathion	<2.21		9.62	2.21	ug/L		08/21/25 14:08	08/28/25 19:41	1
Nitrobenzene	<0.769		9.62	0.769	ug/L		08/21/25 14:08	08/28/25 19:41	1
N-Nitrosodiethylamine	<3.27		9.62	3.27	ug/L		08/21/25 14:08	08/28/25 19:41	1
N-Nitrosodimethylamine	<0.692		9.62	0.692	ug/L		08/21/25 14:08	08/28/25 19:41	1
N-Nitrosodi-n-butylamine	<3.75		9.62	3.75	ug/L		08/21/25 14:08	08/28/25 19:41	1
N-Nitrosodi-n-propylamine	<0.885		9.62	0.885	ug/L		08/21/25 14:08	08/28/25 19:41	1
N-Nitrosodiphenylamine	<0.721		9.62	0.721	ug/L		08/21/25 14:08	08/28/25 19:41	1
N-Nitrosomethylethylamine	<4.71		9.62	4.71	ug/L		08/21/25 14:08	08/28/25 19:41	1
N-Nitrosopiperidine	<2.60		9.62	2.60	ug/L		08/21/25 14:08	08/28/25 19:41	1
N-Nitrosopyrrolidine	<3.46		9.62	3.46	ug/L		08/21/25 14:08	08/28/25 19:41	1
o,o',o''-Triethylphosphorothioate	<3.08		9.62	3.08	ug/L		08/21/25 14:08	08/28/25 19:41	1
o-Toluidine	<2.79		9.62	2.79	ug/L		08/21/25 14:08	08/28/25 19:41	1
p-Dimethylamino azobenzene	<2.12		9.62	2.12	ug/L		08/21/25 14:08	08/28/25 19:41	1
Pentachlorobenzene	<2.69		9.62	2.69	ug/L		08/21/25 14:08	08/28/25 19:41	1
Pentachloronitrobenzene	<5.58		9.62	5.58	ug/L		08/21/25 14:08	08/28/25 19:41	1
Pentachlorophenol	<9.23		9.62	9.23	ug/L		08/21/25 14:08	08/28/25 19:41	1
Phenacetin	<1.83		9.62	1.83	ug/L		08/21/25 14:08	08/28/25 19:41	1
Phenanthrene	<0.760		9.62	0.760	ug/L		08/21/25 14:08	08/28/25 19:41	1
Phenol	<1.06		9.62	1.06	ug/L		08/21/25 14:08	08/28/25 19:41	1
Phorate	<3.08		9.62	3.08	ug/L		08/21/25 14:08	08/28/25 19:41	1
Pronamide	<2.60		9.62	2.60	ug/L		08/21/25 14:08	08/28/25 19:41	1
Pyrene	<0.760		9.62	0.760	ug/L		08/21/25 14:08	08/28/25 19:41	1
Safrole	<2.69		9.62	2.69	ug/L		08/21/25 14:08	08/28/25 19:41	1
Thionazin	<3.37		9.62	3.37	ug/L		08/21/25 14:08	08/28/25 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*56*		*21 - 110*	*08/21/25 14:08*	*08/28/25 19:41*	*1*
Phenol-d5 (Surr)	*44*		*21 - 110*	*08/21/25 14:08*	*08/28/25 19:41*	*1*
Nitrobenzene-d5 (Surr)	*74*		*39 - 140*	*08/21/25 14:08*	*08/28/25 19:41*	*1*
2-Fluorobiphenyl (Surr)	*68*		*33 - 126*	*08/21/25 14:08*	*08/28/25 19:41*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*20 - 144*	*08/21/25 14:08*	*08/28/25 19:41*	*1*
Terphenyl-d14 (Surr)	*98*		*13 - 150*	*08/21/25 14:08*	*08/28/25 19:41*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/19/25 21:04	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/19/25 21:04	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0226		0.0904	0.0226	ug/L		08/19/25 09:56	08/22/25 13:56	1
4,4'-DDE	<0.0271		0.0904	0.0271	ug/L		08/19/25 09:56	08/22/25 13:56	1
4,4'-DDT	<0.0181		0.0904	0.0181	ug/L		08/19/25 09:56	08/22/25 13:56	1
Aldrin	<0.0199		0.0904	0.0199	ug/L		08/19/25 09:56	08/22/25 13:56	1

Client Sample ID: MW-16_25_08
Lab Sample ID: 310-313508-8
Date Collected: 08/15/25 10:15
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00904		0.0904	0.00904	ug/L		08/19/25 09:56	08/22/25 13:56	1
beta-BHC	<0.0380		0.0904	0.0380	ug/L		08/19/25 09:56	08/22/25 13:56	1
Chlordane (technical)	<0.353		1.81	0.353	ug/L		08/19/25 09:56	08/22/25 13:56	1
delta-BHC	<0.0289		0.0904	0.0289	ug/L		08/19/25 09:56	08/22/25 13:56	1
Dieldrin	<0.0190		0.0904	0.0190	ug/L		08/19/25 09:56	08/22/25 13:56	1
Endosulfan I	<0.0253		0.0904	0.0253	ug/L		08/19/25 09:56	08/22/25 13:56	1
Endosulfan II	<0.0235		0.0904	0.0235	ug/L		08/19/25 09:56	08/22/25 13:56	1
Endosulfan sulfate	<0.0163		0.0904	0.0163	ug/L		08/19/25 09:56	08/22/25 13:56	1
Endrin	<0.0253		0.0904	0.0253	ug/L		08/19/25 09:56	08/22/25 13:56	1
Endrin aldehyde	<0.0244		0.0904	0.0244	ug/L		08/19/25 09:56	08/22/25 13:56	1
gamma-BHC (Lindane)	<0.00904		0.0904	0.00904	ug/L		08/19/25 09:56	08/22/25 13:56	1
Heptachlor	<0.0208		0.0904	0.0208	ug/L		08/19/25 09:56	08/22/25 13:56	1
Heptachlor epoxide	<0.0289		0.0904	0.0289	ug/L		08/19/25 09:56	08/22/25 13:56	1
Methoxychlor	<0.0289		0.0904	0.0289	ug/L		08/19/25 09:56	08/22/25 13:56	1
Toxaphene	<0.904		1.81	0.904	ug/L		08/19/25 09:56	08/22/25 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*29*		*10 - 150*	*08/19/25 09:56*	*08/22/25 13:56*	*1*
Tetrachloro-m-xylene	*53*		*17 - 150*	*08/19/25 09:56*	*08/22/25 13:56*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.742		1.81	0.742	ug/L		08/19/25 09:56	08/22/25 13:56	1
PCB-1221	<0.742		1.81	0.742	ug/L		08/19/25 09:56	08/22/25 13:56	1
PCB-1232	<0.742		1.81	0.742	ug/L		08/19/25 09:56	08/22/25 13:56	1
PCB-1242	<0.742		1.81	0.742	ug/L		08/19/25 09:56	08/22/25 13:56	1
PCB-1248	<0.624		1.81	0.624	ug/L		08/19/25 09:56	08/22/25 13:56	1
PCB-1254	<0.624		1.81	0.624	ug/L		08/19/25 09:56	08/22/25 13:56	1
PCB-1260	<0.624		1.81	0.624	ug/L		08/19/25 09:56	08/22/25 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*29*		*10 - 150*	*08/19/25 09:56*	*08/22/25 13:56*	*1*
Tetrachloro-m-xylene	*54*		*17 - 150*	*08/19/25 09:56*	*08/22/25 13:56*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.121	*1	0.959	0.121	ug/L		08/20/25 07:38	08/20/25 20:46	1
Silvex (2,4,5-TP)	<0.101	*+	0.959	0.101	ug/L		08/20/25 07:38	08/20/25 20:46	1
2,4,5-T	<0.134	*+ *1	0.959	0.134	ug/L		08/20/25 07:38	08/20/25 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*73*		*25 - 130*	*08/20/25 07:38*	*08/20/25 20:46*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/26/25 14:03	1
Arsenic	**0.0782**		0.00200	0.000530	mg/L		08/20/25 09:00	08/26/25 14:03	1
Barium	**0.108**		0.00200	0.000660	mg/L		08/20/25 09:00	08/26/25 14:03	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/26/25 14:03	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/26/25 14:03	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/26/25 14:03	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-16_25_08

Lab Sample ID: 310-313508-8
Date Collected: 08/15/25 10:15
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.000563**		0.000500	0.000170	mg/L		08/20/25 09:00	08/26/25 14:03	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/26/25 14:03	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/26/25 14:03	1
Nickel	**0.0238**		0.00500	0.00230	mg/L		08/20/25 09:00	08/26/25 14:03	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/26/25 14:03	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/26/25 14:03	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/20/25 09:00	08/26/25 14:03	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/26/25 14:03	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/26/25 14:03	1
Zinc	**0.0425**		0.0200	0.0130	mg/L		08/20/25 09:00	08/26/25 14:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 11:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/19/25 09:19	08/19/25 22:47	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/21/25 14:30	08/21/25 16:06	1
Total Suspended Solids (USGS I-3765-85)	**49.0**		15.0	10.5	mg/L			08/20/25 11:34	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313508-1

Client Sample ID: MW-21_25_08
Date Collected: 08/14/25 16:15
Date Received: 08/15/25 14:45

Lab Sample ID: 310-313508-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 05:11	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 05:11	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 05:11	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 05:11	1
1,1-Dichloroethane	**0.660**	**J**	1.00	0.220	ug/L			08/19/25 05:11	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 05:11	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 05:11	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 05:11	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 05:11	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 05:11	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 05:11	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/19/25 05:11	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 05:11	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 05:11	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 05:11	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 05:11	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/19/25 05:11	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 05:11	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 05:11	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 05:11	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 05:11	1
Acetone	<3.10		10.0	3.10	ug/L			08/19/25 05:11	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 05:11	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 05:11	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 05:11	1
Benzene	<0.220		0.500	0.220	ug/L			08/19/25 05:11	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 05:11	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 05:11	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 05:11	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 05:11	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 05:11	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 05:11	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/19/25 05:11	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 05:11	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 05:11	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 05:11	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 05:11	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 05:11	1
cis-1,2-Dichloroethene	**0.252**	**J**	1.00	0.210	ug/L			08/19/25 05:11	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 05:11	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 05:11	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 05:11	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 05:11	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 05:11	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 05:11	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 05:11	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 05:11	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 05:11	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 05:11	1

Client Sample ID: MW-21_25_08
Lab Sample ID: 310-313508-9
Date Collected: 08/14/25 16:15
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 05:11	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 05:11	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 05:11	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 05:11	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 05:11	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 05:11	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 05:11	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 05:11	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 05:11	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 05:11	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 05:11	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 05:11	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 05:11	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*118*		*76 - 130*		*08/19/25 05:11*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/19/25 05:11*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*08/19/25 05:11*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.563		10.4	0.563	ug/L		08/21/25 14:08	08/28/25 20:08	1
1,3,5-Trinitrobenzene	<2.40		10.4	2.40	ug/L		08/21/25 14:08	08/28/25 20:08	1
1,3-Dinitrobenzene	<3.33		10.4	3.33	ug/L		08/21/25 14:08	08/28/25 20:08	1
1,4-Naphthoquinone	<3.75		10.4	3.75	ug/L		08/21/25 14:08	08/28/25 20:08	1
1,4-phenylenediamine	<1.98	*- *1	10.4	1.98	ug/L		08/21/25 14:08	08/28/25 20:08	1
1-Naphthylamine	<2.60		10.4	2.60	ug/L		08/21/25 14:08	08/28/25 20:08	1
2,3,4,6-Tetrachlorophenol	<5.52		10.4	5.52	ug/L		08/21/25 14:08	08/28/25 20:08	1
2,4,5-Trichlorophenol	<5.52		10.4	5.52	ug/L		08/21/25 14:08	08/28/25 20:08	1
2,4,6-Trichlorophenol	<5.21		10.4	5.21	ug/L		08/21/25 14:08	08/28/25 20:08	1
2,4-Dichlorophenol	<0.885		10.4	0.885	ug/L		08/21/25 14:08	08/28/25 20:08	1
2,4-Dimethylphenol	<0.604		10.4	0.604	ug/L		08/21/25 14:08	08/28/25 20:08	1
2,4-Dinitrophenol	<13.5		20.8	13.5	ug/L		08/21/25 14:08	08/28/25 20:08	1
2,4-Dinitrotoluene	<6.67		10.4	6.67	ug/L		08/21/25 14:08	08/28/25 20:08	1
2,6-Dichlorophenol	<0.719		10.4	0.719	ug/L		08/21/25 14:08	08/28/25 20:08	1
2,6-Dinitrotoluene	<0.542		10.4	0.542	ug/L		08/21/25 14:08	08/28/25 20:08	1
2-Acetylaminofluorene	<2.81		10.4	2.81	ug/L		08/21/25 14:08	08/28/25 20:08	1
2-Chloronaphthalene	<0.667		10.4	0.667	ug/L		08/21/25 14:08	08/28/25 20:08	1
2-Chlorophenol	<0.563		10.4	0.563	ug/L		08/21/25 14:08	08/28/25 20:08	1
2-Methylnaphthalene	<0.615		10.4	0.615	ug/L		08/21/25 14:08	08/28/25 20:08	1
2-Methylphenol	<0.677		10.4	0.677	ug/L		08/21/25 14:08	08/28/25 20:08	1
2-Naphthylamine	<2.19		10.4	2.19	ug/L		08/21/25 14:08	08/28/25 20:08	1
2-Nitroaniline	<6.15		10.4	6.15	ug/L		08/21/25 14:08	08/28/25 20:08	1
2-Nitrophenol	<7.08		10.4	7.08	ug/L		08/21/25 14:08	08/28/25 20:08	1
3,3'-Dichlorobenzidine	<1.46		10.4	1.46	ug/L		08/21/25 14:08	08/28/25 20:08	1
3,3'-Dimethylbenzidine	<1.56		10.4	1.56	ug/L		08/21/25 14:08	08/28/25 20:08	1
3-Methylcholanthrene	<0.333		10.4	0.333	ug/L		08/21/25 14:08	08/28/25 20:08	1
3-Nitroaniline	<2.81		10.4	2.81	ug/L		08/21/25 14:08	08/28/25 20:08	1
4,6-Dinitro-2-methylphenol	<7.19		10.4	7.19	ug/L		08/21/25 14:08	08/28/25 20:08	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-21_25_08
Lab Sample ID: 310-313508-9
Date Collected: 08/14/25 16:15
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.29		10.4	2.29	ug/L		08/21/25 14:08	08/28/25 20:08	1
4-Bromophenyl phenyl ether	<0.729		10.4	0.729	ug/L		08/21/25 14:08	08/28/25 20:08	1
4-Chloro-3-methylphenol	<0.875		10.4	0.875	ug/L		08/21/25 14:08	08/28/25 20:08	1
4-Chloroaniline	<0.646		10.4	0.646	ug/L		08/21/25 14:08	08/28/25 20:08	1
4-Chlorophenyl phenyl ether	<0.719		10.4	0.719	ug/L		08/21/25 14:08	08/28/25 20:08	1
Methylphenol, 3 & 4	<0.729		10.4	0.729	ug/L		08/21/25 14:08	08/28/25 20:08	1
4-Nitroaniline	<1.35		10.4	1.35	ug/L		08/21/25 14:08	08/28/25 20:08	1
4-Nitrophenol	<7.92		10.4	7.92	ug/L		08/21/25 14:08	08/28/25 20:08	1
5-Nitro-o-toluidine	<2.92		10.4	2.92	ug/L		08/21/25 14:08	08/28/25 20:08	1
7,12-Dimethylbenz(a)anthracene	<1.98		10.4	1.98	ug/L		08/21/25 14:08	08/28/25 20:08	1
Acenaphthene	<0.667		10.4	0.667	ug/L		08/21/25 14:08	08/28/25 20:08	1
Acenaphthylene	<0.750		10.4	0.750	ug/L		08/21/25 14:08	08/28/25 20:08	1
Acetophenone	<0.719		10.4	0.719	ug/L		08/21/25 14:08	08/28/25 20:08	1
Anthracene	<0.906		10.4	0.906	ug/L		08/21/25 14:08	08/28/25 20:08	1
Benzo[a]anthracene	<0.885		10.4	0.885	ug/L		08/21/25 14:08	08/28/25 20:08	1
Benzo[a]pyrene	<8.44		10.4	8.44	ug/L		08/21/25 14:08	08/28/25 20:08	1
Benzo[b]fluoranthene	<5.10		10.4	5.10	ug/L		08/21/25 14:08	08/28/25 20:08	1
Benzo[g,h,i]perylene	<6.56		10.4	6.56	ug/L		08/21/25 14:08	08/28/25 20:08	1
Benzo[k]fluoranthene	<2.29		10.4	2.29	ug/L		08/21/25 14:08	08/28/25 20:08	1
Benzyl alcohol	<1.35		10.4	1.35	ug/L		08/21/25 14:08	08/28/25 20:08	1
Bis(2-chloroethoxy)methane	<0.792		10.4	0.792	ug/L		08/21/25 14:08	08/28/25 20:08	1
Bis(2-chloroethyl)ether	<0.854		10.4	0.854	ug/L		08/21/25 14:08	08/28/25 20:08	1
2,2'-oxybis[1-chloropropane]	<0.563		10.4	0.563	ug/L		08/21/25 14:08	08/28/25 20:08	1
Bis(2-ethylhexyl) phthalate	<5.73		10.4	5.73	ug/L		08/21/25 14:08	08/28/25 20:08	1
Butyl benzyl phthalate	<5.63		10.4	5.63	ug/L		08/21/25 14:08	08/28/25 20:08	1
Chlorobenzilate	<3.75		10.4	3.75	ug/L		08/21/25 14:08	08/28/25 20:08	1
Chrysene	<0.906		10.4	0.906	ug/L		08/21/25 14:08	08/28/25 20:08	1
Diallate	<4.17		10.4	4.17	ug/L		08/21/25 14:08	08/28/25 20:08	1
Dibenzo(a,h)anthracene	<4.06		10.4	4.06	ug/L		08/21/25 14:08	08/28/25 20:08	1
Dibenzofuran	<0.771		10.4	0.771	ug/L		08/21/25 14:08	08/28/25 20:08	1
Diethyl phthalate	<1.77		10.4	1.77	ug/L		08/21/25 14:08	08/28/25 20:08	1
Dimethoate	<3.75	*+	10.4	3.75	ug/L		08/21/25 14:08	08/28/25 20:08	1
Dimethyl phthalate	<1.04		10.4	1.04	ug/L		08/21/25 14:08	08/28/25 20:08	1
Di-n-butyl phthalate	<5.83		10.4	5.83	ug/L		08/21/25 14:08	08/28/25 20:08	1
Di-n-octyl phthalate	<7.29		20.8	7.29	ug/L		08/21/25 14:08	08/28/25 20:08	1
Dinoseb	<2.50		10.4	2.50	ug/L		08/21/25 14:08	08/28/25 20:08	1
Diphenylamine	<6.25		10.4	6.25	ug/L		08/21/25 14:08	08/28/25 20:08	1
Disulfoton	<2.50	*1	10.4	2.50	ug/L		08/21/25 14:08	08/28/25 20:08	1
Ethyl methanesulfonate	<3.75		10.4	3.75	ug/L		08/21/25 14:08	08/28/25 20:08	1
Ethyl Parathion	<2.29		10.4	2.29	ug/L		08/21/25 14:08	08/28/25 20:08	1
Famphur	<3.96	*+	10.4	3.96	ug/L		08/21/25 14:08	08/28/25 20:08	1
Fluoranthene	<1.77		10.4	1.77	ug/L		08/21/25 14:08	08/28/25 20:08	1
Fluorene	<0.823		10.4	0.823	ug/L		08/21/25 14:08	08/28/25 20:08	1
Hexachlorobenzene	<0.729		10.4	0.729	ug/L		08/21/25 14:08	08/28/25 20:08	1
Hexachlorobutadiene	<0.896		10.4	0.896	ug/L		08/21/25 14:08	08/28/25 20:08	1
Hexachlorocyclopentadiene	<5.31		10.4	5.31	ug/L		08/21/25 14:08	08/28/25 20:08	1
Hexachloroethane	<1.01		10.4	1.01	ug/L		08/21/25 14:08	08/28/25 20:08	1
Hexachloropropene	<2.71		10.4	2.71	ug/L		08/21/25 14:08	08/28/25 20:08	1
Indeno[1,2,3-cd]pyrene	<4.38		10.4	4.38	ug/L		08/21/25 14:08	08/28/25 20:08	1

Client Sample ID: MW-21_25_08
Lab Sample ID: 310-313508-9
Date Collected: 08/14/25 16:15
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.90		10.4	4.90	ug/L		08/21/25 14:08	08/28/25 20:08	1
Isophorone	<0.969		10.4	0.969	ug/L		08/21/25 14:08	08/28/25 20:08	1
Isosafrole	<2.40		10.4	2.40	ug/L		08/21/25 14:08	08/28/25 20:08	1
Kepone	<1.04	*+	10.4	1.04	ug/L		08/21/25 14:08	08/28/25 20:08	1
Methapyrilene	<0.792	*- *1	10.4	0.792	ug/L		08/21/25 14:08	08/28/25 20:08	1
Methyl methanesulfonate	<3.44		10.4	3.44	ug/L		08/21/25 14:08	08/28/25 20:08	1
Methyl parathion	<2.40		10.4	2.40	ug/L		08/21/25 14:08	08/28/25 20:08	1
Nitrobenzene	<0.833		10.4	0.833	ug/L		08/21/25 14:08	08/28/25 20:08	1
N-Nitrosodiethylamine	<3.54		10.4	3.54	ug/L		08/21/25 14:08	08/28/25 20:08	1
N-Nitrosodimethylamine	<0.750		10.4	0.750	ug/L		08/21/25 14:08	08/28/25 20:08	1
N-Nitrosodi-n-butylamine	<4.06		10.4	4.06	ug/L		08/21/25 14:08	08/28/25 20:08	1
N-Nitrosodi-n-propylamine	<0.958		10.4	0.958	ug/L		08/21/25 14:08	08/28/25 20:08	1
N-Nitrosodiphenylamine	<0.781		10.4	0.781	ug/L		08/21/25 14:08	08/28/25 20:08	1
N-Nitrosomethylethylamine	<5.10		10.4	5.10	ug/L		08/21/25 14:08	08/28/25 20:08	1
N-Nitrosopiperidine	<2.81		10.4	2.81	ug/L		08/21/25 14:08	08/28/25 20:08	1
N-Nitrosopyrrolidine	<3.75		10.4	3.75	ug/L		08/21/25 14:08	08/28/25 20:08	1
o,o',o''-Triethylphosphorothioate	<3.33		10.4	3.33	ug/L		08/21/25 14:08	08/28/25 20:08	1
o-Toluidine	<3.02		10.4	3.02	ug/L		08/21/25 14:08	08/28/25 20:08	1
p-Dimethylamino azobenzene	<2.29		10.4	2.29	ug/L		08/21/25 14:08	08/28/25 20:08	1
Pentachlorobenzene	<2.92		10.4	2.92	ug/L		08/21/25 14:08	08/28/25 20:08	1
Pentachloronitrobenzene	<6.04		10.4	6.04	ug/L		08/21/25 14:08	08/28/25 20:08	1
Pentachlorophenol	<10.0		10.4	10.0	ug/L		08/21/25 14:08	08/28/25 20:08	1
Phenacetin	<1.98		10.4	1.98	ug/L		08/21/25 14:08	08/28/25 20:08	1
Phenanthrene	<0.823		10.4	0.823	ug/L		08/21/25 14:08	08/28/25 20:08	1
Phenol	<1.15		10.4	1.15	ug/L		08/21/25 14:08	08/28/25 20:08	1
Phorate	<3.33		10.4	3.33	ug/L		08/21/25 14:08	08/28/25 20:08	1
Pronamide	<2.81		10.4	2.81	ug/L		08/21/25 14:08	08/28/25 20:08	1
Pyrene	<0.823		10.4	0.823	ug/L		08/21/25 14:08	08/28/25 20:08	1
Safrole	<2.92		10.4	2.92	ug/L		08/21/25 14:08	08/28/25 20:08	1
Thionazin	<3.65		10.4	3.65	ug/L		08/21/25 14:08	08/28/25 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*50*		*21 - 110*	*08/21/25 14:08*	*08/28/25 20:08*	*1*
Phenol-d5 (Surr)	*41*		*21 - 110*	*08/21/25 14:08*	*08/28/25 20:08*	*1*
Nitrobenzene-d5 (Surr)	*61*		*39 - 140*	*08/21/25 14:08*	*08/28/25 20:08*	*1*
2-Fluorobiphenyl (Surr)	*59*		*33 - 126*	*08/21/25 14:08*	*08/28/25 20:08*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*20 - 144*	*08/21/25 14:08*	*08/28/25 20:08*	*1*
Terphenyl-d14 (Surr)	*92*		*13 - 150*	*08/21/25 14:08*	*08/28/25 20:08*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/19/25 21:26	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/19/25 21:26	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0226		0.0904	0.0226	ug/L		08/19/25 09:56	08/22/25 14:09	1
4,4'-DDE	<0.0271		0.0904	0.0271	ug/L		08/19/25 09:56	08/22/25 14:09	1
4,4'-DDT	<0.0181		0.0904	0.0181	ug/L		08/19/25 09:56	08/22/25 14:09	1
Aldrin	<0.0199		0.0904	0.0199	ug/L		08/19/25 09:56	08/22/25 14:09	1

Client Sample ID: MW-21_25_08
Lab Sample ID: 310-313508-9
Date Collected: 08/14/25 16:15
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00904		0.0904	0.00904	ug/L		08/19/25 09:56	08/22/25 14:09	1
beta-BHC	<0.0380		0.0904	0.0380	ug/L		08/19/25 09:56	08/22/25 14:09	1
Chlordane (technical)	<0.353		1.81	0.353	ug/L		08/19/25 09:56	08/22/25 14:09	1
delta-BHC	<0.0289		0.0904	0.0289	ug/L		08/19/25 09:56	08/22/25 14:09	1
Dieldrin	<0.0190		0.0904	0.0190	ug/L		08/19/25 09:56	08/22/25 14:09	1
Endosulfan I	<0.0253		0.0904	0.0253	ug/L		08/19/25 09:56	08/22/25 14:09	1
Endosulfan II	<0.0235		0.0904	0.0235	ug/L		08/19/25 09:56	08/22/25 14:09	1
Endosulfan sulfate	<0.0163		0.0904	0.0163	ug/L		08/19/25 09:56	08/22/25 14:09	1
Endrin	<0.0253		0.0904	0.0253	ug/L		08/19/25 09:56	08/22/25 14:09	1
Endrin aldehyde	<0.0244		0.0904	0.0244	ug/L		08/19/25 09:56	08/22/25 14:09	1
gamma-BHC (Lindane)	<0.00904		0.0904	0.00904	ug/L		08/19/25 09:56	08/22/25 14:09	1
Heptachlor	<0.0208		0.0904	0.0208	ug/L		08/19/25 09:56	08/22/25 14:09	1
Heptachlor epoxide	<0.0289		0.0904	0.0289	ug/L		08/19/25 09:56	08/22/25 14:09	1
Methoxychlor	<0.0289		0.0904	0.0289	ug/L		08/19/25 09:56	08/22/25 14:09	1
Toxaphene	<0.904		1.81	0.904	ug/L		08/19/25 09:56	08/22/25 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*52*		*10 - 150*	*08/19/25 09:56*	*08/22/25 14:09*	*1*
Tetrachloro-m-xylene	*79*		*17 - 150*	*08/19/25 09:56*	*08/22/25 14:09*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.742		1.81	0.742	ug/L		08/19/25 09:56	08/22/25 14:09	1
PCB-1221	<0.742		1.81	0.742	ug/L		08/19/25 09:56	08/22/25 14:09	1
PCB-1232	<0.742		1.81	0.742	ug/L		08/19/25 09:56	08/22/25 14:09	1
PCB-1242	<0.742		1.81	0.742	ug/L		08/19/25 09:56	08/22/25 14:09	1
PCB-1248	<0.624		1.81	0.624	ug/L		08/19/25 09:56	08/22/25 14:09	1
PCB-1254	<0.624		1.81	0.624	ug/L		08/19/25 09:56	08/22/25 14:09	1
PCB-1260	<0.624		1.81	0.624	ug/L		08/19/25 09:56	08/22/25 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*53*		*10 - 150*	*08/19/25 09:56*	*08/22/25 14:09*	*1*
Tetrachloro-m-xylene	*81*		*17 - 150*	*08/19/25 09:56*	*08/22/25 14:09*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.128	*1	1.01	0.128	ug/L		08/20/25 07:38	08/20/25 21:04	1
Silvex (2,4,5-TP)	<0.106	*+	1.01	0.106	ug/L		08/20/25 07:38	08/20/25 21:04	1
2,4,5-T	<0.142	*+ *1	1.01	0.142	ug/L		08/20/25 07:38	08/20/25 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*74*		*25 - 130*	*08/20/25 07:38*	*08/20/25 21:04*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/26/25 14:06	1
Arsenic	**0.00126**	**J**	0.00200	0.000530	mg/L		08/20/25 09:00	08/26/25 14:06	1
Barium	**0.128**		0.00200	0.000660	mg/L		08/20/25 09:00	08/26/25 14:06	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/26/25 14:06	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/26/25 14:06	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/26/25 14:06	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-21_25_08

Lab Sample ID: 310-313508-9

Date Collected: 08/14/25 16:15

Matrix: Water

Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00111**		0.000500	0.000170	mg/L		08/20/25 09:00	08/26/25 14:06	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/26/25 14:06	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/26/25 14:06	1
Nickel	**0.0218**		0.00500	0.00230	mg/L		08/20/25 09:00	08/26/25 14:06	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/26/25 14:06	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/26/25 14:06	1
Thallium	**0.00141**		0.00100	0.000570	mg/L		08/20/25 09:00	08/26/25 14:06	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/26/25 14:06	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/26/25 14:06	1
Zinc	**0.0541**		0.0200	0.0130	mg/L		08/20/25 09:00	08/26/25 14:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 11:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/19/25 09:19	08/19/25 22:44	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/20/25 16:31	08/20/25 17:10	1
Total Suspended Solids (USGS I-3765-85)	<1.31		1.88	1.31	mg/L			08/19/25 13:42	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313508-1

Client Sample ID: MW-22_25_08
Date Collected: 08/14/25 16:50
Date Received: 08/15/25 14:45

Lab Sample ID: 310-313508-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 05:33	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 05:33	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 05:33	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 05:33	1
1,1-Dichloroethane	**1.84**		1.00	0.220	ug/L			08/19/25 05:33	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 05:33	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 05:33	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 05:33	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 05:33	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 05:33	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 05:33	1
1,2-Dichlorobenzene	**0.606**	**J**	1.00	0.370	ug/L			08/19/25 05:33	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 05:33	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 05:33	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 05:33	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 05:33	1
1,4-Dichlorobenzene	**1.92**		1.00	0.230	ug/L			08/19/25 05:33	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 05:33	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 05:33	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 05:33	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 05:33	1
Acetone	**3.65**	**J**	10.0	3.10	ug/L			08/19/25 05:33	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 05:33	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 05:33	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 05:33	1
Benzene	<0.220		0.500	0.220	ug/L			08/19/25 05:33	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 05:33	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 05:33	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 05:33	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 05:33	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 05:33	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 05:33	1
Chlorobenzene	**4.05**		1.00	0.400	ug/L			08/19/25 05:33	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 05:33	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 05:33	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 05:33	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 05:33	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 05:33	1
cis-1,2-Dichloroethene	**0.695**	**J**	1.00	0.210	ug/L			08/19/25 05:33	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 05:33	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 05:33	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 05:33	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 05:33	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 05:33	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 05:33	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 05:33	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 05:33	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 05:33	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 05:33	1

Client Sample ID: MW-22_25_08
Lab Sample ID: 310-313508-10
Date Collected: 08/14/25 16:50
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 05:33	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 05:33	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 05:33	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 05:33	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 05:33	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 05:33	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 05:33	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 05:33	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 05:33	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 05:33	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 05:33	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 05:33	1
Vinyl chloride	**0.400**	**J**	1.00	0.180	ug/L			08/19/25 05:33	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 05:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*76 - 130*		*08/19/25 05:33*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/19/25 05:33*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/19/25 05:33*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.509		9.43	0.509	ug/L		08/21/25 14:08	08/28/25 20:34	1
1,3,5-Trinitrobenzene	<2.17		9.43	2.17	ug/L		08/21/25 14:08	08/28/25 20:34	1
1,3-Dinitrobenzene	<3.02		9.43	3.02	ug/L		08/21/25 14:08	08/28/25 20:34	1
1,4-Naphthoquinone	<3.40		9.43	3.40	ug/L		08/21/25 14:08	08/28/25 20:34	1
1,4-phenylenediamine	<1.79	*- *1	9.43	1.79	ug/L		08/21/25 14:08	08/28/25 20:34	1
1-Naphthylamine	<2.36		9.43	2.36	ug/L		08/21/25 14:08	08/28/25 20:34	1
2,3,4,6-Tetrachlorophenol	<5.00		9.43	5.00	ug/L		08/21/25 14:08	08/28/25 20:34	1
2,4,5-Trichlorophenol	<5.00		9.43	5.00	ug/L		08/21/25 14:08	08/28/25 20:34	1
2,4,6-Trichlorophenol	<4.72		9.43	4.72	ug/L		08/21/25 14:08	08/28/25 20:34	1
2,4-Dichlorophenol	<0.802		9.43	0.802	ug/L		08/21/25 14:08	08/28/25 20:34	1
2,4-Dimethylphenol	<0.547		9.43	0.547	ug/L		08/21/25 14:08	08/28/25 20:34	1
2,4-Dinitrophenol	<12.3		18.9	12.3	ug/L		08/21/25 14:08	08/28/25 20:34	1
2,4-Dinitrotoluene	<6.04		9.43	6.04	ug/L		08/21/25 14:08	08/28/25 20:34	1
2,6-Dichlorophenol	<0.651		9.43	0.651	ug/L		08/21/25 14:08	08/28/25 20:34	1
2,6-Dinitrotoluene	<0.491		9.43	0.491	ug/L		08/21/25 14:08	08/28/25 20:34	1
2-Acetylaminofluorene	<2.55		9.43	2.55	ug/L		08/21/25 14:08	08/28/25 20:34	1
2-Chloronaphthalene	<0.604		9.43	0.604	ug/L		08/21/25 14:08	08/28/25 20:34	1
2-Chlorophenol	<0.509		9.43	0.509	ug/L		08/21/25 14:08	08/28/25 20:34	1
2-Methylnaphthalene	<0.557		9.43	0.557	ug/L		08/21/25 14:08	08/28/25 20:34	1
2-Methylphenol	<0.613		9.43	0.613	ug/L		08/21/25 14:08	08/28/25 20:34	1
2-Naphthylamine	<1.98		9.43	1.98	ug/L		08/21/25 14:08	08/28/25 20:34	1
2-Nitroaniline	<5.57		9.43	5.57	ug/L		08/21/25 14:08	08/28/25 20:34	1
2-Nitrophenol	<6.42		9.43	6.42	ug/L		08/21/25 14:08	08/28/25 20:34	1
3,3'-Dichlorobenzidine	<1.32		9.43	1.32	ug/L		08/21/25 14:08	08/28/25 20:34	1
3,3'-Dimethylbenzidine	<1.42		9.43	1.42	ug/L		08/21/25 14:08	08/28/25 20:34	1
3-Methylcholanthrene	<0.302		9.43	0.302	ug/L		08/21/25 14:08	08/28/25 20:34	1
3-Nitroaniline	<2.55		9.43	2.55	ug/L		08/21/25 14:08	08/28/25 20:34	1
4,6-Dinitro-2-methylphenol	<6.51		9.43	6.51	ug/L		08/21/25 14:08	08/28/25 20:34	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-22_25_08
Lab Sample ID: 310-313508-10
Date Collected: 08/14/25 16:50
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.08		9.43	2.08	ug/L		08/21/25 14:08	08/28/25 20:34	1
4-Bromophenyl phenyl ether	<0.660		9.43	0.660	ug/L		08/21/25 14:08	08/28/25 20:34	1
4-Chloro-3-methylphenol	<0.792		9.43	0.792	ug/L		08/21/25 14:08	08/28/25 20:34	1
4-Chloroaniline	<0.585		9.43	0.585	ug/L		08/21/25 14:08	08/28/25 20:34	1
4-Chlorophenyl phenyl ether	<0.651		9.43	0.651	ug/L		08/21/25 14:08	08/28/25 20:34	1
Methylphenol, 3 & 4	<0.660		9.43	0.660	ug/L		08/21/25 14:08	08/28/25 20:34	1
4-Nitroaniline	<1.23		9.43	1.23	ug/L		08/21/25 14:08	08/28/25 20:34	1
4-Nitrophenol	<7.17		9.43	7.17	ug/L		08/21/25 14:08	08/28/25 20:34	1
5-Nitro-o-toluidine	<2.64		9.43	2.64	ug/L		08/21/25 14:08	08/28/25 20:34	1
7,12-Dimethylbenz(a)anthracene	<1.79		9.43	1.79	ug/L		08/21/25 14:08	08/28/25 20:34	1
Acenaphthene	<0.604		9.43	0.604	ug/L		08/21/25 14:08	08/28/25 20:34	1
Acenaphthylene	<0.679		9.43	0.679	ug/L		08/21/25 14:08	08/28/25 20:34	1
Acetophenone	<0.651		9.43	0.651	ug/L		08/21/25 14:08	08/28/25 20:34	1
Anthracene	<0.821		9.43	0.821	ug/L		08/21/25 14:08	08/28/25 20:34	1
Benzo[a]anthracene	<0.802		9.43	0.802	ug/L		08/21/25 14:08	08/28/25 20:34	1
Benzo[a]pyrene	<7.64		9.43	7.64	ug/L		08/21/25 14:08	08/28/25 20:34	1
Benzo[b]fluoranthene	<4.62		9.43	4.62	ug/L		08/21/25 14:08	08/28/25 20:34	1
Benzo[g,h,i]perylene	<5.94		9.43	5.94	ug/L		08/21/25 14:08	08/28/25 20:34	1
Benzo[k]fluoranthene	<2.08		9.43	2.08	ug/L		08/21/25 14:08	08/28/25 20:34	1
Benzyl alcohol	<1.23		9.43	1.23	ug/L		08/21/25 14:08	08/28/25 20:34	1
Bis(2-chloroethoxy)methane	<0.717		9.43	0.717	ug/L		08/21/25 14:08	08/28/25 20:34	1
Bis(2-chloroethyl)ether	<0.774		9.43	0.774	ug/L		08/21/25 14:08	08/28/25 20:34	1
2,2'-oxybis[1-chloropropane]	<0.509		9.43	0.509	ug/L		08/21/25 14:08	08/28/25 20:34	1
Bis(2-ethylhexyl) phthalate	<5.19		9.43	5.19	ug/L		08/21/25 14:08	08/28/25 20:34	1
Butyl benzyl phthalate	<5.09		9.43	5.09	ug/L		08/21/25 14:08	08/28/25 20:34	1
Chlorobenzilate	<3.40		9.43	3.40	ug/L		08/21/25 14:08	08/28/25 20:34	1
Chrysene	<0.821		9.43	0.821	ug/L		08/21/25 14:08	08/28/25 20:34	1
Diallate	<3.77		9.43	3.77	ug/L		08/21/25 14:08	08/28/25 20:34	1
Dibenzo(a,h)anthracene	<3.68		9.43	3.68	ug/L		08/21/25 14:08	08/28/25 20:34	1
Dibenzofuran	<0.698		9.43	0.698	ug/L		08/21/25 14:08	08/28/25 20:34	1
Diethyl phthalate	<1.60		9.43	1.60	ug/L		08/21/25 14:08	08/28/25 20:34	1
Dimethoate	<3.40	*+	9.43	3.40	ug/L		08/21/25 14:08	08/28/25 20:34	1
Dimethyl phthalate	<0.943		9.43	0.943	ug/L		08/21/25 14:08	08/28/25 20:34	1
Di-n-butyl phthalate	<5.28		9.43	5.28	ug/L		08/21/25 14:08	08/28/25 20:34	1
Di-n-octyl phthalate	<6.60		18.9	6.60	ug/L		08/21/25 14:08	08/28/25 20:34	1
Dinoseb	<2.26		9.43	2.26	ug/L		08/21/25 14:08	08/28/25 20:34	1
Diphenylamine	<5.66		9.43	5.66	ug/L		08/21/25 14:08	08/28/25 20:34	1
Disulfoton	<2.26	*1	9.43	2.26	ug/L		08/21/25 14:08	08/28/25 20:34	1
Ethyl methanesulfonate	<3.40		9.43	3.40	ug/L		08/21/25 14:08	08/28/25 20:34	1
Ethyl Parathion	<2.08		9.43	2.08	ug/L		08/21/25 14:08	08/28/25 20:34	1
Famphur	<3.58	*+	9.43	3.58	ug/L		08/21/25 14:08	08/28/25 20:34	1
Fluoranthene	<1.60		9.43	1.60	ug/L		08/21/25 14:08	08/28/25 20:34	1
Fluorene	<0.745		9.43	0.745	ug/L		08/21/25 14:08	08/28/25 20:34	1
Hexachlorobenzene	<0.660		9.43	0.660	ug/L		08/21/25 14:08	08/28/25 20:34	1
Hexachlorobutadiene	<0.811		9.43	0.811	ug/L		08/21/25 14:08	08/28/25 20:34	1
Hexachlorocyclopentadiene	<4.81		9.43	4.81	ug/L		08/21/25 14:08	08/28/25 20:34	1
Hexachloroethane	<0.915		9.43	0.915	ug/L		08/21/25 14:08	08/28/25 20:34	1
Hexachloropropene	<2.45		9.43	2.45	ug/L		08/21/25 14:08	08/28/25 20:34	1
Indeno[1,2,3-cd]pyrene	<3.96		9.43	3.96	ug/L		08/21/25 14:08	08/28/25 20:34	1

Client Sample ID: MW-22_25_08
Lab Sample ID: 310-313508-10
Date Collected: 08/14/25 16:50
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.43		9.43	4.43	ug/L		08/21/25 14:08	08/28/25 20:34	1
Isophorone	<0.877		9.43	0.877	ug/L		08/21/25 14:08	08/28/25 20:34	1
Isosafrole	<2.17		9.43	2.17	ug/L		08/21/25 14:08	08/28/25 20:34	1
Kepone	<0.943	*+	9.43	0.943	ug/L		08/21/25 14:08	08/28/25 20:34	1
Methapyrilene	<0.717	*- *1	9.43	0.717	ug/L		08/21/25 14:08	08/28/25 20:34	1
Methyl methanesulfonate	<3.11		9.43	3.11	ug/L		08/21/25 14:08	08/28/25 20:34	1
Methyl parathion	<2.17		9.43	2.17	ug/L		08/21/25 14:08	08/28/25 20:34	1
Nitrobenzene	<0.755		9.43	0.755	ug/L		08/21/25 14:08	08/28/25 20:34	1
N-Nitrosodiethylamine	<3.21		9.43	3.21	ug/L		08/21/25 14:08	08/28/25 20:34	1
N-Nitrosodimethylamine	<0.679		9.43	0.679	ug/L		08/21/25 14:08	08/28/25 20:34	1
N-Nitrosodi-n-butylamine	<3.68		9.43	3.68	ug/L		08/21/25 14:08	08/28/25 20:34	1
N-Nitrosodi-n-propylamine	<0.868		9.43	0.868	ug/L		08/21/25 14:08	08/28/25 20:34	1
N-Nitrosodiphenylamine	<0.708		9.43	0.708	ug/L		08/21/25 14:08	08/28/25 20:34	1
N-Nitrosomethylethylamine	<4.62		9.43	4.62	ug/L		08/21/25 14:08	08/28/25 20:34	1
N-Nitrosopiperidine	<2.55		9.43	2.55	ug/L		08/21/25 14:08	08/28/25 20:34	1
N-Nitrosopyrrolidine	<3.40		9.43	3.40	ug/L		08/21/25 14:08	08/28/25 20:34	1
o,o',o''-Triethylphosphorothioate	<3.02		9.43	3.02	ug/L		08/21/25 14:08	08/28/25 20:34	1
o-Toluidine	<2.74		9.43	2.74	ug/L		08/21/25 14:08	08/28/25 20:34	1
p-Dimethylamino azobenzene	<2.08		9.43	2.08	ug/L		08/21/25 14:08	08/28/25 20:34	1
Pentachlorobenzene	<2.64		9.43	2.64	ug/L		08/21/25 14:08	08/28/25 20:34	1
Pentachloronitrobenzene	<5.47		9.43	5.47	ug/L		08/21/25 14:08	08/28/25 20:34	1
Pentachlorophenol	<9.06		9.43	9.06	ug/L		08/21/25 14:08	08/28/25 20:34	1
Phenacetin	<1.79		9.43	1.79	ug/L		08/21/25 14:08	08/28/25 20:34	1
Phenanthrene	<0.745		9.43	0.745	ug/L		08/21/25 14:08	08/28/25 20:34	1
Phenol	<1.04		9.43	1.04	ug/L		08/21/25 14:08	08/28/25 20:34	1
Phorate	<3.02		9.43	3.02	ug/L		08/21/25 14:08	08/28/25 20:34	1
Pronamide	<2.55		9.43	2.55	ug/L		08/21/25 14:08	08/28/25 20:34	1
Pyrene	<0.745		9.43	0.745	ug/L		08/21/25 14:08	08/28/25 20:34	1
Safrole	<2.64		9.43	2.64	ug/L		08/21/25 14:08	08/28/25 20:34	1
Thionazin	<3.30		9.43	3.30	ug/L		08/21/25 14:08	08/28/25 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*73*		*21 - 110*	*08/21/25 14:08*	*08/28/25 20:34*	*1*
Phenol-d5 (Surr)	*56*		*21 - 110*	*08/21/25 14:08*	*08/28/25 20:34*	*1*
Nitrobenzene-d5 (Surr)	*98*		*39 - 140*	*08/21/25 14:08*	*08/28/25 20:34*	*1*
2-Fluorobiphenyl (Surr)	*86*		*33 - 126*	*08/21/25 14:08*	*08/28/25 20:34*	*1*
2,4,6-Tribromophenol (Surr)	*99*		*20 - 144*	*08/21/25 14:08*	*08/28/25 20:34*	*1*
Terphenyl-d14 (Surr)	*113*		*13 - 150*	*08/21/25 14:08*	*08/28/25 20:34*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/19/25 21:45	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/19/25 21:45	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0224		0.0897	0.0224	ug/L		08/19/25 09:56	08/22/25 14:22	1
4,4'-DDE	<0.0269		0.0897	0.0269	ug/L		08/19/25 09:56	08/22/25 14:22	1
4,4'-DDT	<0.0179		0.0897	0.0179	ug/L		08/19/25 09:56	08/22/25 14:22	1
Aldrin	<0.0197		0.0897	0.0197	ug/L		08/19/25 09:56	08/22/25 14:22	1

Client Sample ID: MW-22_25_08
Lab Sample ID: 310-313508-10
Date Collected: 08/14/25 16:50
Matrix: Water
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Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00897		0.0897	0.00897	ug/L		08/19/25 09:56	08/22/25 14:22	1
beta-BHC	<0.0377		0.0897	0.0377	ug/L		08/19/25 09:56	08/22/25 14:22	1
Chlordane (technical)	<0.350		1.79	0.350	ug/L		08/19/25 09:56	08/22/25 14:22	1
delta-BHC	<0.0287		0.0897	0.0287	ug/L		08/19/25 09:56	08/22/25 14:22	1
Dieldrin	<0.0188		0.0897	0.0188	ug/L		08/19/25 09:56	08/22/25 14:22	1
Endosulfan I	<0.0251		0.0897	0.0251	ug/L		08/19/25 09:56	08/22/25 14:22	1
Endosulfan II	<0.0233		0.0897	0.0233	ug/L		08/19/25 09:56	08/22/25 14:22	1
Endosulfan sulfate	<0.0162		0.0897	0.0162	ug/L		08/19/25 09:56	08/22/25 14:22	1
Endrin	<0.0251		0.0897	0.0251	ug/L		08/19/25 09:56	08/22/25 14:22	1
Endrin aldehyde	<0.0242		0.0897	0.0242	ug/L		08/19/25 09:56	08/22/25 14:22	1
gamma-BHC (Lindane)	<0.00897		0.0897	0.00897	ug/L		08/19/25 09:56	08/22/25 14:22	1
Heptachlor	<0.0206		0.0897	0.0206	ug/L		08/19/25 09:56	08/22/25 14:22	1
Heptachlor epoxide	<0.0287		0.0897	0.0287	ug/L		08/19/25 09:56	08/22/25 14:22	1
Methoxychlor	<0.0287		0.0897	0.0287	ug/L		08/19/25 09:56	08/22/25 14:22	1
Toxaphene	<0.897		1.79	0.897	ug/L		08/19/25 09:56	08/22/25 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*29*		*10 - 150*	*08/19/25 09:56*	*08/22/25 14:22*	*1*
Tetrachloro-m-xylene	*89*		*17 - 150*	*08/19/25 09:56*	*08/22/25 14:22*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.736		1.79	0.736	ug/L		08/19/25 09:56	08/22/25 14:22	1
PCB-1221	<0.736		1.79	0.736	ug/L		08/19/25 09:56	08/22/25 14:22	1
PCB-1232	<0.736		1.79	0.736	ug/L		08/19/25 09:56	08/22/25 14:22	1
PCB-1242	<0.736		1.79	0.736	ug/L		08/19/25 09:56	08/22/25 14:22	1
PCB-1248	<0.619		1.79	0.619	ug/L		08/19/25 09:56	08/22/25 14:22	1
PCB-1254	<0.619		1.79	0.619	ug/L		08/19/25 09:56	08/22/25 14:22	1
PCB-1260	<0.619		1.79	0.619	ug/L		08/19/25 09:56	08/22/25 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*30*		*10 - 150*	*08/19/25 09:56*	*08/22/25 14:22*	*1*
Tetrachloro-m-xylene	*91*		*17 - 150*	*08/19/25 09:56*	*08/22/25 14:22*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.124	*1	0.986	0.124	ug/L		08/20/25 07:38	08/20/25 21:21	1
Silvex (2,4,5-TP)	<0.104	*+	0.986	0.104	ug/L		08/20/25 07:38	08/20/25 21:21	1
2,4,5-T	<0.138	*+ *1	0.986	0.138	ug/L		08/20/25 07:38	08/20/25 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*77*		*25 - 130*	*08/20/25 07:38*	*08/20/25 21:21*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/26/25 14:08	1
Arsenic	**0.0607**		0.00200	0.000530	mg/L		08/20/25 09:00	08/26/25 14:08	1
Barium	**0.480**		0.00200	0.000660	mg/L		08/20/25 09:00	08/26/25 14:08	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/26/25 14:08	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/26/25 14:08	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/26/25 14:08	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-22_25_08
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Date Collected: 08/14/25 16:50
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00255**		0.000500	0.000170	mg/L		08/20/25 09:00	08/26/25 14:08	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/26/25 14:08	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/26/25 14:08	1
Nickel	**0.0357**		0.00500	0.00230	mg/L		08/20/25 09:00	08/26/25 14:08	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/26/25 14:08	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/26/25 14:08	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/20/25 09:00	08/26/25 14:08	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/26/25 14:08	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/26/25 14:08	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/20/25 09:00	08/26/25 14:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 11:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/19/25 09:19	08/19/25 22:48	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/20/25 16:32	08/20/25 17:12	1
Total Suspended Solids (USGS I-3765-85)	**38.0**		15.0	10.5	mg/L			08/19/25 11:38	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-23_25_08
Lab Sample ID: 310-313508-11
Date Collected: 08/14/25 15:20
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 05:55	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 05:55	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 05:55	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 05:55	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/19/25 05:55	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 05:55	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 05:55	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 05:55	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 05:55	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 05:55	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 05:55	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/19/25 05:55	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 05:55	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 05:55	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 05:55	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 05:55	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/19/25 05:55	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 05:55	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 05:55	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 05:55	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 05:55	1
Acetone	<3.10		10.0	3.10	ug/L			08/19/25 05:55	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 05:55	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 05:55	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 05:55	1
Benzene	<0.220		0.500	0.220	ug/L			08/19/25 05:55	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 05:55	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 05:55	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 05:55	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 05:55	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 05:55	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 05:55	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/19/25 05:55	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 05:55	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 05:55	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 05:55	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 05:55	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 05:55	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/19/25 05:55	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 05:55	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 05:55	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 05:55	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 05:55	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 05:55	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 05:55	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 05:55	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 05:55	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 05:55	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 05:55	1

Client Sample ID: MW-23_25_08
Lab Sample ID: 310-313508-11
Date Collected: 08/14/25 15:20
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 05:55	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 05:55	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 05:55	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 05:55	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 05:55	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 05:55	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 05:55	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 05:55	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 05:55	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 05:55	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 05:55	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 05:55	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 05:55	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 05:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*117*		*76 - 130*		*08/19/25 05:55*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*08/19/25 05:55*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/19/25 05:55*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.509		9.43	0.509	ug/L		08/21/25 14:08	08/28/25 21:00	1
1,3,5-Trinitrobenzene	<2.17		9.43	2.17	ug/L		08/21/25 14:08	08/28/25 21:00	1
1,3-Dinitrobenzene	<3.02		9.43	3.02	ug/L		08/21/25 14:08	08/28/25 21:00	1
1,4-Naphthoquinone	<3.40		9.43	3.40	ug/L		08/21/25 14:08	08/28/25 21:00	1
1,4-phenylenediamine	<1.79	*- *1	9.43	1.79	ug/L		08/21/25 14:08	08/28/25 21:00	1
1-Naphthylamine	<2.36		9.43	2.36	ug/L		08/21/25 14:08	08/28/25 21:00	1
2,3,4,6-Tetrachlorophenol	<5.00		9.43	5.00	ug/L		08/21/25 14:08	08/28/25 21:00	1
2,4,5-Trichlorophenol	<5.00		9.43	5.00	ug/L		08/21/25 14:08	08/28/25 21:00	1
2,4,6-Trichlorophenol	<4.72		9.43	4.72	ug/L		08/21/25 14:08	08/28/25 21:00	1
2,4-Dichlorophenol	<0.802		9.43	0.802	ug/L		08/21/25 14:08	08/28/25 21:00	1
2,4-Dimethylphenol	<0.547		9.43	0.547	ug/L		08/21/25 14:08	08/28/25 21:00	1
2,4-Dinitrophenol	<12.3		18.9	12.3	ug/L		08/21/25 14:08	08/28/25 21:00	1
2,4-Dinitrotoluene	<6.04		9.43	6.04	ug/L		08/21/25 14:08	08/28/25 21:00	1
2,6-Dichlorophenol	<0.651		9.43	0.651	ug/L		08/21/25 14:08	08/28/25 21:00	1
2,6-Dinitrotoluene	<0.491		9.43	0.491	ug/L		08/21/25 14:08	08/28/25 21:00	1
2-Acetylaminofluorene	<2.55		9.43	2.55	ug/L		08/21/25 14:08	08/28/25 21:00	1
2-Chloronaphthalene	<0.604		9.43	0.604	ug/L		08/21/25 14:08	08/28/25 21:00	1
2-Chlorophenol	<0.509		9.43	0.509	ug/L		08/21/25 14:08	08/28/25 21:00	1
2-Methylnaphthalene	<0.557		9.43	0.557	ug/L		08/21/25 14:08	08/28/25 21:00	1
2-Methylphenol	<0.613		9.43	0.613	ug/L		08/21/25 14:08	08/28/25 21:00	1
2-Naphthylamine	<1.98		9.43	1.98	ug/L		08/21/25 14:08	08/28/25 21:00	1
2-Nitroaniline	<5.57		9.43	5.57	ug/L		08/21/25 14:08	08/28/25 21:00	1
2-Nitrophenol	<6.42		9.43	6.42	ug/L		08/21/25 14:08	08/28/25 21:00	1
3,3'-Dichlorobenzidine	<1.32		9.43	1.32	ug/L		08/21/25 14:08	08/28/25 21:00	1
3,3'-Dimethylbenzidine	<1.42		9.43	1.42	ug/L		08/21/25 14:08	08/28/25 21:00	1
3-Methylcholanthrene	<0.302		9.43	0.302	ug/L		08/21/25 14:08	08/28/25 21:00	1
3-Nitroaniline	<2.55		9.43	2.55	ug/L		08/21/25 14:08	08/28/25 21:00	1
4,6-Dinitro-2-methylphenol	<6.51		9.43	6.51	ug/L		08/21/25 14:08	08/28/25 21:00	1

Client Sample ID: MW-23_25_08
Lab Sample ID: 310-313508-11
Date Collected: 08/14/25 15:20
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.08		9.43	2.08	ug/L		08/21/25 14:08	08/28/25 21:00	1
4-Bromophenyl phenyl ether	<0.660		9.43	0.660	ug/L		08/21/25 14:08	08/28/25 21:00	1
4-Chloro-3-methylphenol	<0.792		9.43	0.792	ug/L		08/21/25 14:08	08/28/25 21:00	1
4-Chloroaniline	<0.585		9.43	0.585	ug/L		08/21/25 14:08	08/28/25 21:00	1
4-Chlorophenyl phenyl ether	<0.651		9.43	0.651	ug/L		08/21/25 14:08	08/28/25 21:00	1
Methylphenol, 3 & 4	<0.660		9.43	0.660	ug/L		08/21/25 14:08	08/28/25 21:00	1
4-Nitroaniline	<1.23		9.43	1.23	ug/L		08/21/25 14:08	08/28/25 21:00	1
4-Nitrophenol	<7.17		9.43	7.17	ug/L		08/21/25 14:08	08/28/25 21:00	1
5-Nitro-o-toluidine	<2.64		9.43	2.64	ug/L		08/21/25 14:08	08/28/25 21:00	1
7,12-Dimethylbenz(a)anthracene	<1.79		9.43	1.79	ug/L		08/21/25 14:08	08/28/25 21:00	1
Acenaphthene	<0.604		9.43	0.604	ug/L		08/21/25 14:08	08/28/25 21:00	1
Acenaphthylene	<0.679		9.43	0.679	ug/L		08/21/25 14:08	08/28/25 21:00	1
Acetophenone	<0.651		9.43	0.651	ug/L		08/21/25 14:08	08/28/25 21:00	1
Anthracene	<0.821		9.43	0.821	ug/L		08/21/25 14:08	08/28/25 21:00	1
Benzo[a]anthracene	<0.802		9.43	0.802	ug/L		08/21/25 14:08	08/28/25 21:00	1
Benzo[a]pyrene	<7.64		9.43	7.64	ug/L		08/21/25 14:08	08/28/25 21:00	1
Benzo[b]fluoranthene	<4.62		9.43	4.62	ug/L		08/21/25 14:08	08/28/25 21:00	1
Benzo[g,h,i]perylene	<5.94		9.43	5.94	ug/L		08/21/25 14:08	08/28/25 21:00	1
Benzo[k]fluoranthene	<2.08		9.43	2.08	ug/L		08/21/25 14:08	08/28/25 21:00	1
Benzyl alcohol	<1.23		9.43	1.23	ug/L		08/21/25 14:08	08/28/25 21:00	1
Bis(2-chloroethoxy)methane	<0.717		9.43	0.717	ug/L		08/21/25 14:08	08/28/25 21:00	1
Bis(2-chloroethyl)ether	<0.774		9.43	0.774	ug/L		08/21/25 14:08	08/28/25 21:00	1
2,2'-oxybis[1-chloropropane]	<0.509		9.43	0.509	ug/L		08/21/25 14:08	08/28/25 21:00	1
Bis(2-ethylhexyl) phthalate	<5.19		9.43	5.19	ug/L		08/21/25 14:08	08/28/25 21:00	1
Butyl benzyl phthalate	<5.09		9.43	5.09	ug/L		08/21/25 14:08	08/28/25 21:00	1
Chlorobenzilate	<3.40		9.43	3.40	ug/L		08/21/25 14:08	08/28/25 21:00	1
Chrysene	<0.821		9.43	0.821	ug/L		08/21/25 14:08	08/28/25 21:00	1
Diallate	<3.77		9.43	3.77	ug/L		08/21/25 14:08	08/28/25 21:00	1
Dibenzo(a,h)anthracene	<3.68		9.43	3.68	ug/L		08/21/25 14:08	08/28/25 21:00	1
Dibenzofuran	<0.698		9.43	0.698	ug/L		08/21/25 14:08	08/28/25 21:00	1
Diethyl phthalate	<1.60		9.43	1.60	ug/L		08/21/25 14:08	08/28/25 21:00	1
Dimethoate	<3.40	*+	9.43	3.40	ug/L		08/21/25 14:08	08/28/25 21:00	1
Dimethyl phthalate	<0.943		9.43	0.943	ug/L		08/21/25 14:08	08/28/25 21:00	1
Di-n-butyl phthalate	<5.28		9.43	5.28	ug/L		08/21/25 14:08	08/28/25 21:00	1
Di-n-octyl phthalate	<6.60		18.9	6.60	ug/L		08/21/25 14:08	08/28/25 21:00	1
Dinoseb	<2.26		9.43	2.26	ug/L		08/21/25 14:08	08/28/25 21:00	1
Diphenylamine	<5.66		9.43	5.66	ug/L		08/21/25 14:08	08/28/25 21:00	1
Disulfoton	<2.26	*1	9.43	2.26	ug/L		08/21/25 14:08	08/28/25 21:00	1
Ethyl methanesulfonate	<3.40		9.43	3.40	ug/L		08/21/25 14:08	08/28/25 21:00	1
Ethyl Parathion	<2.08		9.43	2.08	ug/L		08/21/25 14:08	08/28/25 21:00	1
Famphur	<3.58	*+	9.43	3.58	ug/L		08/21/25 14:08	08/28/25 21:00	1
Fluoranthene	<1.60		9.43	1.60	ug/L		08/21/25 14:08	08/28/25 21:00	1
Fluorene	<0.745		9.43	0.745	ug/L		08/21/25 14:08	08/28/25 21:00	1
Hexachlorobenzene	<0.660		9.43	0.660	ug/L		08/21/25 14:08	08/28/25 21:00	1
Hexachlorobutadiene	<0.811		9.43	0.811	ug/L		08/21/25 14:08	08/28/25 21:00	1
Hexachlorocyclopentadiene	<4.81		9.43	4.81	ug/L		08/21/25 14:08	08/28/25 21:00	1
Hexachloroethane	<0.915		9.43	0.915	ug/L		08/21/25 14:08	08/28/25 21:00	1
Hexachloropropene	<2.45		9.43	2.45	ug/L		08/21/25 14:08	08/28/25 21:00	1
Indeno[1,2,3-cd]pyrene	<3.96		9.43	3.96	ug/L		08/21/25 14:08	08/28/25 21:00	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-23_25_08
Lab Sample ID: 310-313508-11
Date Collected: 08/14/25 15:20
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.43		9.43	4.43	ug/L		08/21/25 14:08	08/28/25 21:00	1
Isophorone	<0.877		9.43	0.877	ug/L		08/21/25 14:08	08/28/25 21:00	1
Isosafrole	<2.17		9.43	2.17	ug/L		08/21/25 14:08	08/28/25 21:00	1
Kepone	<0.943	*+	9.43	0.943	ug/L		08/21/25 14:08	08/28/25 21:00	1
Methapyrilene	<0.717	*- *1	9.43	0.717	ug/L		08/21/25 14:08	08/28/25 21:00	1
Methyl methanesulfonate	<3.11		9.43	3.11	ug/L		08/21/25 14:08	08/28/25 21:00	1
Methyl parathion	<2.17		9.43	2.17	ug/L		08/21/25 14:08	08/28/25 21:00	1
Nitrobenzene	<0.755		9.43	0.755	ug/L		08/21/25 14:08	08/28/25 21:00	1
N-Nitrosodiethylamine	<3.21		9.43	3.21	ug/L		08/21/25 14:08	08/28/25 21:00	1
N-Nitrosodimethylamine	<0.679		9.43	0.679	ug/L		08/21/25 14:08	08/28/25 21:00	1
N-Nitrosodi-n-butylamine	<3.68		9.43	3.68	ug/L		08/21/25 14:08	08/28/25 21:00	1
N-Nitrosodi-n-propylamine	<0.868		9.43	0.868	ug/L		08/21/25 14:08	08/28/25 21:00	1
N-Nitrosodiphenylamine	<0.708		9.43	0.708	ug/L		08/21/25 14:08	08/28/25 21:00	1
N-Nitrosomethylethylamine	<4.62		9.43	4.62	ug/L		08/21/25 14:08	08/28/25 21:00	1
N-Nitrosopiperidine	<2.55		9.43	2.55	ug/L		08/21/25 14:08	08/28/25 21:00	1
N-Nitrosopyrrolidine	<3.40		9.43	3.40	ug/L		08/21/25 14:08	08/28/25 21:00	1
o,o',o''-Triethylphosphorothioate	<3.02		9.43	3.02	ug/L		08/21/25 14:08	08/28/25 21:00	1
o-Toluidine	<2.74		9.43	2.74	ug/L		08/21/25 14:08	08/28/25 21:00	1
p-Dimethylamino azobenzene	<2.08		9.43	2.08	ug/L		08/21/25 14:08	08/28/25 21:00	1
Pentachlorobenzene	<2.64		9.43	2.64	ug/L		08/21/25 14:08	08/28/25 21:00	1
Pentachloronitrobenzene	<5.47		9.43	5.47	ug/L		08/21/25 14:08	08/28/25 21:00	1
Pentachlorophenol	<9.06		9.43	9.06	ug/L		08/21/25 14:08	08/28/25 21:00	1
Phenacetin	<1.79		9.43	1.79	ug/L		08/21/25 14:08	08/28/25 21:00	1
Phenanthrene	<0.745		9.43	0.745	ug/L		08/21/25 14:08	08/28/25 21:00	1
Phenol	<1.04		9.43	1.04	ug/L		08/21/25 14:08	08/28/25 21:00	1
Phorate	<3.02		9.43	3.02	ug/L		08/21/25 14:08	08/28/25 21:00	1
Pronamide	<2.55		9.43	2.55	ug/L		08/21/25 14:08	08/28/25 21:00	1
Pyrene	<0.745		9.43	0.745	ug/L		08/21/25 14:08	08/28/25 21:00	1
Safrole	<2.64		9.43	2.64	ug/L		08/21/25 14:08	08/28/25 21:00	1
Thionazin	<3.30		9.43	3.30	ug/L		08/21/25 14:08	08/28/25 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*64*		*21 - 110*	*08/21/25 14:08*	*08/28/25 21:00*	*1*
Phenol-d5 (Surr)	*50*		*21 - 110*	*08/21/25 14:08*	*08/28/25 21:00*	*1*
Nitrobenzene-d5 (Surr)	*86*		*39 - 140*	*08/21/25 14:08*	*08/28/25 21:00*	*1*
2-Fluorobiphenyl (Surr)	*82*		*33 - 126*	*08/21/25 14:08*	*08/28/25 21:00*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*20 - 144*	*08/21/25 14:08*	*08/28/25 21:00*	*1*
Terphenyl-d14 (Surr)	*130*		*13 - 150*	*08/21/25 14:08*	*08/28/25 21:00*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/19/25 22:05	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/19/25 22:05	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0224		0.0897	0.0224	ug/L		08/19/25 09:56	08/22/25 14:35	1
4,4'-DDE	<0.0269		0.0897	0.0269	ug/L		08/19/25 09:56	08/22/25 14:35	1
4,4'-DDT	<0.0179		0.0897	0.0179	ug/L		08/19/25 09:56	08/22/25 14:35	1
Aldrin	<0.0197		0.0897	0.0197	ug/L		08/19/25 09:56	08/22/25 14:35	1

Client Sample ID: MW-23_25_08
Lab Sample ID: 310-313508-11
Date Collected: 08/14/25 15:20
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00897		0.0897	0.00897	ug/L		08/19/25 09:56	08/22/25 14:35	1
beta-BHC	<0.0377		0.0897	0.0377	ug/L		08/19/25 09:56	08/22/25 14:35	1
Chlordane (technical)	<0.350		1.79	0.350	ug/L		08/19/25 09:56	08/22/25 14:35	1
delta-BHC	<0.0287		0.0897	0.0287	ug/L		08/19/25 09:56	08/22/25 14:35	1
Dieldrin	<0.0188		0.0897	0.0188	ug/L		08/19/25 09:56	08/22/25 14:35	1
Endosulfan I	<0.0251		0.0897	0.0251	ug/L		08/19/25 09:56	08/22/25 14:35	1
Endosulfan II	<0.0233		0.0897	0.0233	ug/L		08/19/25 09:56	08/22/25 14:35	1
Endosulfan sulfate	<0.0162		0.0897	0.0162	ug/L		08/19/25 09:56	08/22/25 14:35	1
Endrin	<0.0251		0.0897	0.0251	ug/L		08/19/25 09:56	08/22/25 14:35	1
Endrin aldehyde	<0.0242		0.0897	0.0242	ug/L		08/19/25 09:56	08/22/25 14:35	1
gamma-BHC (Lindane)	<0.00897		0.0897	0.00897	ug/L		08/19/25 09:56	08/22/25 14:35	1
Heptachlor	<0.0206		0.0897	0.0206	ug/L		08/19/25 09:56	08/22/25 14:35	1
Heptachlor epoxide	<0.0287		0.0897	0.0287	ug/L		08/19/25 09:56	08/22/25 14:35	1
Methoxychlor	<0.0287		0.0897	0.0287	ug/L		08/19/25 09:56	08/22/25 14:35	1
Toxaphene	<0.897		1.79	0.897	ug/L		08/19/25 09:56	08/22/25 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*51*		*10 - 150*	*08/19/25 09:56*	*08/22/25 14:35*	*1*
Tetrachloro-m-xylene	*70*		*17 - 150*	*08/19/25 09:56*	*08/22/25 14:35*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.736		1.79	0.736	ug/L		08/19/25 09:56	08/22/25 14:35	1
PCB-1221	<0.736		1.79	0.736	ug/L		08/19/25 09:56	08/22/25 14:35	1
PCB-1232	<0.736		1.79	0.736	ug/L		08/19/25 09:56	08/22/25 14:35	1
PCB-1242	<0.736		1.79	0.736	ug/L		08/19/25 09:56	08/22/25 14:35	1
PCB-1248	<0.619		1.79	0.619	ug/L		08/19/25 09:56	08/22/25 14:35	1
PCB-1254	<0.619		1.79	0.619	ug/L		08/19/25 09:56	08/22/25 14:35	1
PCB-1260	<0.619		1.79	0.619	ug/L		08/19/25 09:56	08/22/25 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*51*		*10 - 150*	*08/19/25 09:56*	*08/22/25 14:35*	*1*
Tetrachloro-m-xylene	*72*		*17 - 150*	*08/19/25 09:56*	*08/22/25 14:35*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.129	*1	1.02	0.129	ug/L		08/20/25 07:38	08/20/25 21:39	1
Silvex (2,4,5-TP)	<0.107	*+	1.02	0.107	ug/L		08/20/25 07:38	08/20/25 21:39	1
2,4,5-T	<0.143	*+ *1	1.02	0.143	ug/L		08/20/25 07:38	08/20/25 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*83*		*25 - 130*	*08/20/25 07:38*	*08/20/25 21:39*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/26/25 14:11	1
Arsenic	**0.000890**	**J**	0.00200	0.000530	mg/L		08/20/25 09:00	08/26/25 14:11	1
Barium	**0.113**		0.00200	0.000660	mg/L		08/20/25 09:00	08/26/25 14:11	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/26/25 14:11	1
Cadmium	**0.000114**	**J**	0.000200	0.000100	mg/L		08/20/25 09:00	08/26/25 14:11	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/26/25 14:11	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-23_25_08
Lab Sample ID: 310-313508-11
Date Collected: 08/14/25 15:20
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00166**		0.000500	0.000170	mg/L		08/20/25 09:00	08/26/25 14:11	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/26/25 14:11	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/26/25 14:11	1
Nickel	**0.0199**		0.00500	0.00230	mg/L		08/20/25 09:00	08/26/25 14:11	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/26/25 14:11	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/26/25 14:11	1
Thallium	**0.00103**		0.00100	0.000570	mg/L		08/20/25 09:00	08/26/25 14:11	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/26/25 14:11	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/26/25 14:11	1
Zinc	**0.0698**		0.0200	0.0130	mg/L		08/20/25 09:00	08/26/25 14:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 11:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/19/25 09:19	08/19/25 22:48	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/20/25 16:32	08/20/25 17:14	1
Total Suspended Solids (USGS I-3765-85)	<1.31		1.88	1.31	mg/L			08/19/25 13:42	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-37_25_08
Lab Sample ID: 310-313508-12
Date Collected: 08/13/25 12:05
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 06:17	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 06:17	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 06:17	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 06:17	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/19/25 06:17	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 06:17	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 06:17	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 06:17	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 06:17	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 06:17	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 06:17	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/19/25 06:17	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 06:17	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 06:17	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 06:17	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 06:17	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/19/25 06:17	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 06:17	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 06:17	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 06:17	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 06:17	1
Acetone	<3.10		10.0	3.10	ug/L			08/19/25 06:17	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 06:17	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 06:17	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 06:17	1
Benzene	<0.220		0.500	0.220	ug/L			08/19/25 06:17	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 06:17	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 06:17	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 06:17	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 06:17	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 06:17	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 06:17	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/19/25 06:17	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 06:17	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 06:17	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 06:17	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 06:17	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 06:17	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/19/25 06:17	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 06:17	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 06:17	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 06:17	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 06:17	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 06:17	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 06:17	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 06:17	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 06:17	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 06:17	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 06:17	1

Client Sample ID: MW-37_25_08
Lab Sample ID: 310-313508-12
Date Collected: 08/13/25 12:05
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 06:17	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 06:17	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 06:17	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 06:17	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 06:17	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 06:17	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 06:17	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 06:17	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 06:17	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 06:17	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 06:17	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 06:17	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 06:17	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 06:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*117*		*76 - 130*		*08/19/25 06:17*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/19/25 06:17*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*08/19/25 06:17*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.540		10.0	0.540	ug/L		08/19/25 10:19	08/20/25 20:55	1
1,3,5-Trinitrobenzene	<2.30		10.0	2.30	ug/L		08/19/25 10:19	08/26/25 02:38	1
1,3-Dinitrobenzene	<3.20		10.0	3.20	ug/L		08/19/25 10:19	08/20/25 20:55	1
1,4-Naphthoquinone	<3.60	*1	10.0	3.60	ug/L		08/19/25 10:19	08/26/25 02:38	1
1,4-phenylenediamine	<1.90	*-	10.0	1.90	ug/L		08/19/25 10:19	08/26/25 02:38	1
1-Naphthylamine	<2.50		10.0	2.50	ug/L		08/19/25 10:19	08/26/25 02:38	1
2,3,4,6-Tetrachlorophenol	<5.30		10.0	5.30	ug/L		08/19/25 10:19	08/20/25 20:55	1
2,4,5-Trichlorophenol	<5.30		10.0	5.30	ug/L		08/19/25 10:19	08/20/25 20:55	1
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		08/19/25 10:19	08/20/25 20:55	1
2,4-Dichlorophenol	<0.850		10.0	0.850	ug/L		08/19/25 10:19	08/20/25 20:55	1
2,4-Dimethylphenol	<0.580		10.0	0.580	ug/L		08/19/25 10:19	08/20/25 20:55	1
2,4-Dinitrophenol	<13.0	*1	20.0	13.0	ug/L		08/19/25 10:19	08/20/25 20:55	1
2,4-Dinitrotoluene	<6.40		10.0	6.40	ug/L		08/19/25 10:19	08/20/25 20:55	1
2,6-Dichlorophenol	<0.690		10.0	0.690	ug/L		08/19/25 10:19	08/20/25 20:55	1
2,6-Dinitrotoluene	<0.520		10.0	0.520	ug/L		08/19/25 10:19	08/20/25 20:55	1
2-Acetylaminofluorene	<2.70	*1	10.0	2.70	ug/L		08/19/25 10:19	08/26/25 02:38	1
2-Chloronaphthalene	<0.640		10.0	0.640	ug/L		08/19/25 10:19	08/20/25 20:55	1
2-Chlorophenol	<0.540		10.0	0.540	ug/L		08/19/25 10:19	08/20/25 20:55	1
2-Methylnaphthalene	<0.590		10.0	0.590	ug/L		08/19/25 10:19	08/20/25 20:55	1
2-Methylphenol	<0.650		10.0	0.650	ug/L		08/19/25 10:19	08/20/25 20:55	1
2-Naphthylamine	<2.10	*1	10.0	2.10	ug/L		08/19/25 10:19	08/26/25 02:38	1
2-Nitroaniline	<5.90		10.0	5.90	ug/L		08/19/25 10:19	08/20/25 20:55	1
2-Nitrophenol	<6.80		10.0	6.80	ug/L		08/19/25 10:19	08/20/25 20:55	1
3,3'-Dichlorobenzidine	<1.40		10.0	1.40	ug/L		08/19/25 10:19	08/20/25 20:55	1
3,3'-Dimethylbenzidine	<1.50	*- *1	10.0	1.50	ug/L		08/19/25 10:19	08/26/25 02:38	1
3-Methylcholanthrene	<0.320		10.0	0.320	ug/L		08/19/25 10:19	08/26/25 02:38	1
3-Nitroaniline	<2.70		10.0	2.70	ug/L		08/19/25 10:19	08/20/25 20:55	1
4,6-Dinitro-2-methylphenol	<6.90		10.0	6.90	ug/L		08/19/25 10:19	08/20/25 20:55	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-37_25_08
Lab Sample ID: 310-313508-12
Date Collected: 08/13/25 12:05
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.20	*- *1	10.0	2.20	ug/L		08/19/25 10:19	08/26/25 02:38	1
4-Bromophenyl phenyl ether	<0.700		10.0	0.700	ug/L		08/19/25 10:19	08/20/25 20:55	1
4-Chloro-3-methylphenol	<0.840		10.0	0.840	ug/L		08/19/25 10:19	08/20/25 20:55	1
4-Chloroaniline	<0.620	*1	10.0	0.620	ug/L		08/19/25 10:19	08/20/25 20:55	1
4-Chlorophenyl phenyl ether	<0.690		10.0	0.690	ug/L		08/19/25 10:19	08/20/25 20:55	1
Methylphenol, 3 & 4	<0.700		10.0	0.700	ug/L		08/19/25 10:19	08/20/25 20:55	1
4-Nitroaniline	<1.30		10.0	1.30	ug/L		08/19/25 10:19	08/20/25 20:55	1
4-Nitrophenol	<7.60		10.0	7.60	ug/L		08/19/25 10:19	08/20/25 20:55	1
5-Nitro-o-toluidine	<2.80	*1	10.0	2.80	ug/L		08/19/25 10:19	08/26/25 02:38	1
7,12-Dimethylbenz(a)anthracene	<1.90	*1	10.0	1.90	ug/L		08/19/25 10:19	08/26/25 02:38	1
Acenaphthene	<0.640		10.0	0.640	ug/L		08/19/25 10:19	08/20/25 20:55	1
Acenaphthylene	<0.720		10.0	0.720	ug/L		08/19/25 10:19	08/20/25 20:55	1
Acetophenone	<0.690		10.0	0.690	ug/L		08/19/25 10:19	08/20/25 20:55	1
Anthracene	<0.870		10.0	0.870	ug/L		08/19/25 10:19	08/20/25 20:55	1
Benzo[a]anthracene	<0.850		10.0	0.850	ug/L		08/19/25 10:19	08/20/25 20:55	1
Benzo[a]pyrene	<8.10		10.0	8.10	ug/L		08/19/25 10:19	08/20/25 20:55	1
Benzo[b]fluoranthene	<4.90		10.0	4.90	ug/L		08/19/25 10:19	08/20/25 20:55	1
Benzo[g,h,i]perylene	<6.30		10.0	6.30	ug/L		08/19/25 10:19	08/20/25 20:55	1
Benzo[k]fluoranthene	<2.20		10.0	2.20	ug/L		08/19/25 10:19	08/20/25 20:55	1
Benzyl alcohol	<1.30		10.0	1.30	ug/L		08/19/25 10:19	08/20/25 20:55	1
Bis(2-chloroethoxy)methane	<0.760		10.0	0.760	ug/L		08/19/25 10:19	08/20/25 20:55	1
Bis(2-chloroethyl)ether	<0.820		10.0	0.820	ug/L		08/19/25 10:19	08/20/25 20:55	1
2,2'-oxybis[1-chloropropane]	<0.540		10.0	0.540	ug/L		08/19/25 10:19	08/20/25 20:55	1
Bis(2-ethylhexyl) phthalate	<5.50		10.0	5.50	ug/L		08/19/25 10:19	08/20/25 20:55	1
Butyl benzyl phthalate	<5.40		10.0	5.40	ug/L		08/19/25 10:19	08/20/25 20:55	1
Chlorobenzilate	<3.60		10.0	3.60	ug/L		08/19/25 10:19	08/26/25 02:38	1
Chrysene	<0.870		10.0	0.870	ug/L		08/19/25 10:19	08/20/25 20:55	1
Diallate	<4.00	*1	10.0	4.00	ug/L		08/19/25 10:19	08/26/25 02:38	1
Dibenzo(a,h)anthracene	<3.90		10.0	3.90	ug/L		08/19/25 10:19	08/20/25 20:55	1
Dibenzofuran	<0.740		10.0	0.740	ug/L		08/19/25 10:19	08/20/25 20:55	1
Diethyl phthalate	<1.70		10.0	1.70	ug/L		08/19/25 10:19	08/20/25 20:55	1
Dimethoate	<3.60		10.0	3.60	ug/L		08/19/25 10:19	08/26/25 02:38	1
Dimethyl phthalate	<1.00		10.0	1.00	ug/L		08/19/25 10:19	08/20/25 20:55	1
Di-n-butyl phthalate	<5.60		10.0	5.60	ug/L		08/19/25 10:19	08/20/25 20:55	1
Di-n-octyl phthalate	**8.50**	**J**	20.0	7.00	ug/L		08/19/25 10:19	08/20/25 20:55	1
Dinoseb	<2.40		10.0	2.40	ug/L		08/19/25 10:19	08/26/25 02:38	1
Diphenylamine	<6.00		10.0	6.00	ug/L		08/19/25 10:19	08/20/25 20:55	1
Disulfoton	<2.40		10.0	2.40	ug/L		08/19/25 10:19	08/26/25 02:38	1
Ethyl methanesulfonate	<3.60	*1	10.0	3.60	ug/L		08/19/25 10:19	08/26/25 02:38	1
Ethyl Parathion	<2.20		10.0	2.20	ug/L		08/19/25 10:19	08/26/25 02:38	1
Famphur	<3.80		10.0	3.80	ug/L		08/19/25 10:19	08/26/25 02:38	1
Fluoranthene	<1.70		10.0	1.70	ug/L		08/19/25 10:19	08/20/25 20:55	1
Fluorene	<0.790		10.0	0.790	ug/L		08/19/25 10:19	08/20/25 20:55	1
Hexachlorobenzene	<0.700		10.0	0.700	ug/L		08/19/25 10:19	08/20/25 20:55	1
Hexachlorobutadiene	<0.860		10.0	0.860	ug/L		08/19/25 10:19	08/20/25 20:55	1
Hexachlorocyclopentadiene	<5.10		10.0	5.10	ug/L		08/19/25 10:19	08/20/25 20:55	1
Hexachloroethane	<0.970		10.0	0.970	ug/L		08/19/25 10:19	08/20/25 20:55	1
Hexachloropropene	<2.60		10.0	2.60	ug/L		08/19/25 10:19	08/26/25 02:38	1
Indeno[1,2,3-cd]pyrene	<4.20		10.0	4.20	ug/L		08/19/25 10:19	08/20/25 20:55	1

Client Sample ID: MW-37_25_08
Lab Sample ID: 310-313508-12
Date Collected: 08/13/25 12:05
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.70	*1	10.0	4.70	ug/L		08/19/25 10:19	08/26/25 02:38	1
Isophorone	<0.930		10.0	0.930	ug/L		08/19/25 10:19	08/20/25 20:55	1
Isosafrole	<2.30	*1	10.0	2.30	ug/L		08/19/25 10:19	08/26/25 02:38	1
Kepone	<1.00		10.0	1.00	ug/L		08/19/25 10:19	08/26/25 02:38	1
Methapyrilene	<0.760	*-	10.0	0.760	ug/L		08/19/25 10:19	08/26/25 02:38	1
Methyl methanesulfonate	<3.30	*1	10.0	3.30	ug/L		08/19/25 10:19	08/26/25 02:38	1
Methyl parathion	<2.30	*1	10.0	2.30	ug/L		08/19/25 10:19	08/26/25 02:38	1
Nitrobenzene	<0.800		10.0	0.800	ug/L		08/19/25 10:19	08/20/25 20:55	1
N-Nitrosodiethylamine	<3.40		10.0	3.40	ug/L		08/19/25 10:19	08/26/25 02:38	1
N-Nitrosodimethylamine	<0.720		10.0	0.720	ug/L		08/19/25 10:19	08/20/25 20:55	1
N-Nitrosodi-n-butylamine	<3.90	*1	10.0	3.90	ug/L		08/19/25 10:19	08/26/25 02:38	1
N-Nitrosodi-n-propylamine	<0.920		10.0	0.920	ug/L		08/19/25 10:19	08/20/25 20:55	1
N-Nitrosodiphenylamine	<0.750		10.0	0.750	ug/L		08/19/25 10:19	08/20/25 20:55	1
N-Nitrosomethylethylamine	<4.90	*1	10.0	4.90	ug/L		08/19/25 10:19	08/26/25 02:38	1
N-Nitrosopiperidine	<2.70	*1	10.0	2.70	ug/L		08/19/25 10:19	08/26/25 02:38	1
N-Nitrosopyrrolidine	<3.60		10.0	3.60	ug/L		08/19/25 10:19	08/26/25 02:38	1
o,o',o''-Triethylphosphorothioate	<3.20		10.0	3.20	ug/L		08/19/25 10:19	08/26/25 02:38	1
o-Toluidine	<2.90	*1	10.0	2.90	ug/L		08/19/25 10:19	08/26/25 02:38	1
p-Dimethylamino azobenzene	<2.20	*1	10.0	2.20	ug/L		08/19/25 10:19	08/26/25 02:38	1
Pentachlorobenzene	<2.80		10.0	2.80	ug/L		08/19/25 10:19	08/26/25 02:38	1
Pentachloronitrobenzene	<5.80		10.0	5.80	ug/L		08/19/25 10:19	08/26/25 02:38	1
Pentachlorophenol	<9.60		10.0	9.60	ug/L		08/19/25 10:19	08/20/25 20:55	1
Phenacetin	<1.90		10.0	1.90	ug/L		08/19/25 10:19	08/26/25 02:38	1
Phenanthrene	<0.790		10.0	0.790	ug/L		08/19/25 10:19	08/20/25 20:55	1
Phenol	<1.10		10.0	1.10	ug/L		08/19/25 10:19	08/20/25 20:55	1
Phorate	<3.20		10.0	3.20	ug/L		08/19/25 10:19	08/26/25 02:38	1
Pronamide	<2.70		10.0	2.70	ug/L		08/19/25 10:19	08/26/25 02:38	1
Pyrene	<0.790		10.0	0.790	ug/L		08/19/25 10:19	08/20/25 20:55	1
Safrole	<2.80	*1	10.0	2.80	ug/L		08/19/25 10:19	08/26/25 02:38	1
Thionazin	<3.50	*1	10.0	3.50	ug/L		08/19/25 10:19	08/26/25 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*54*		*21 - 110*	*08/19/25 10:19*	*08/20/25 20:55*	*1*
Phenol-d5 (Surr)	*44*		*21 - 110*	*08/19/25 10:19*	*08/20/25 20:55*	*1*
Nitrobenzene-d5 (Surr)	*68*		*39 - 140*	*08/19/25 10:19*	*08/20/25 20:55*	*1*
2-Fluorobiphenyl (Surr)	*60*		*33 - 126*	*08/19/25 10:19*	*08/20/25 20:55*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*20 - 144*	*08/19/25 10:19*	*08/20/25 20:55*	*1*
Terphenyl-d14 (Surr)	*74*		*13 - 150*	*08/19/25 10:19*	*08/20/25 20:55*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/19/25 22:25	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/19/25 22:25	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0228		0.0911	0.0228	ug/L		08/19/25 09:56	08/22/25 14:48	1
4,4'-DDE	<0.0273		0.0911	0.0273	ug/L		08/19/25 09:56	08/22/25 14:48	1
4,4'-DDT	<0.0182		0.0911	0.0182	ug/L		08/19/25 09:56	08/22/25 14:48	1
Aldrin	<0.0201		0.0911	0.0201	ug/L		08/19/25 09:56	08/22/25 14:48	1

Client Sample ID: MW-37_25_08
Lab Sample ID: 310-313508-12
Date Collected: 08/13/25 12:05
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00911		0.0911	0.00911	ug/L		08/19/25 09:56	08/22/25 14:48	1
beta-BHC	<0.0383		0.0911	0.0383	ug/L		08/19/25 09:56	08/22/25 14:48	1
Chlordane (technical)	<0.355		1.82	0.355	ug/L		08/19/25 09:56	08/22/25 14:48	1
delta-BHC	<0.0292		0.0911	0.0292	ug/L		08/19/25 09:56	08/22/25 14:48	1
Dieldrin	<0.0191		0.0911	0.0191	ug/L		08/19/25 09:56	08/22/25 14:48	1
Endosulfan I	<0.0255		0.0911	0.0255	ug/L		08/19/25 09:56	08/22/25 14:48	1
Endosulfan II	<0.0237		0.0911	0.0237	ug/L		08/19/25 09:56	08/22/25 14:48	1
Endosulfan sulfate	<0.0164		0.0911	0.0164	ug/L		08/19/25 09:56	08/22/25 14:48	1
Endrin	<0.0255		0.0911	0.0255	ug/L		08/19/25 09:56	08/22/25 14:48	1
Endrin aldehyde	<0.0246		0.0911	0.0246	ug/L		08/19/25 09:56	08/22/25 14:48	1
gamma-BHC (Lindane)	<0.00911		0.0911	0.00911	ug/L		08/19/25 09:56	08/22/25 14:48	1
Heptachlor	<0.0210		0.0911	0.0210	ug/L		08/19/25 09:56	08/22/25 14:48	1
Heptachlor epoxide	<0.0292		0.0911	0.0292	ug/L		08/19/25 09:56	08/22/25 14:48	1
Methoxychlor	<0.0292		0.0911	0.0292	ug/L		08/19/25 09:56	08/22/25 14:48	1
Toxaphene	<0.911		1.82	0.911	ug/L		08/19/25 09:56	08/22/25 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*62*		*10 - 150*	*08/19/25 09:56*	*08/22/25 14:48*	*1*
Tetrachloro-m-xylene	*52*		*17 - 150*	*08/19/25 09:56*	*08/22/25 14:48*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.747		1.82	0.747	ug/L		08/19/25 09:56	08/22/25 14:48	1
PCB-1221	<0.747		1.82	0.747	ug/L		08/19/25 09:56	08/22/25 14:48	1
PCB-1232	<0.747		1.82	0.747	ug/L		08/19/25 09:56	08/22/25 14:48	1
PCB-1242	<0.747		1.82	0.747	ug/L		08/19/25 09:56	08/22/25 14:48	1
PCB-1248	<0.629		1.82	0.629	ug/L		08/19/25 09:56	08/22/25 14:48	1
PCB-1254	<0.629		1.82	0.629	ug/L		08/19/25 09:56	08/22/25 14:48	1
PCB-1260	<0.629		1.82	0.629	ug/L		08/19/25 09:56	08/22/25 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*10 - 150*	*08/19/25 09:56*	*08/22/25 14:48*	*1*
Tetrachloro-m-xylene	*53*		*17 - 150*	*08/19/25 09:56*	*08/22/25 14:48*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.124	*1	0.987	0.124	ug/L		08/20/25 07:38	08/20/25 21:57	1
Silvex (2,4,5-TP)	<0.104	*+	0.987	0.104	ug/L		08/20/25 07:38	08/20/25 21:57	1
2,4,5-T	<0.138	*+ *1	0.987	0.138	ug/L		08/20/25 07:38	08/20/25 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*80*		*25 - 130*	*08/20/25 07:38*	*08/20/25 21:57*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/26/25 14:16	1
Arsenic	**0.000684**	**J**	0.00200	0.000530	mg/L		08/20/25 09:00	08/26/25 14:16	1
Barium	**0.0564**		0.00200	0.000660	mg/L		08/20/25 09:00	08/26/25 14:16	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/26/25 14:16	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/26/25 14:16	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/26/25 14:16	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-37_25_08
Lab Sample ID: 310-313508-12

Date Collected: 08/13/25 12:05
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00146**		0.000500	0.000170	mg/L		08/20/25 09:00	08/26/25 14:16	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/26/25 14:16	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/26/25 14:16	1
Nickel	**0.00343**	**J**	0.00500	0.00230	mg/L		08/20/25 09:00	08/26/25 14:16	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/26/25 14:16	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/26/25 14:16	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/20/25 09:00	08/26/25 14:16	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/26/25 14:16	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/26/25 14:16	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/20/25 09:00	08/26/25 14:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 11:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/19/25 09:19	08/19/25 22:49	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/20/25 16:24	08/20/25 16:53	1
Total Suspended Solids (USGS I-3765-85)	**7.13**		1.88	1.31	mg/L			08/18/25 12:34	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-38_25_08
Lab Sample ID: 310-313508-13
Date Collected: 08/13/25 11:40
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 06:39	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 06:39	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 06:39	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 06:39	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/19/25 06:39	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 06:39	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 06:39	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 06:39	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 06:39	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 06:39	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 06:39	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/19/25 06:39	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 06:39	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 06:39	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 06:39	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 06:39	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/19/25 06:39	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 06:39	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 06:39	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 06:39	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 06:39	1
Acetone	<3.10		10.0	3.10	ug/L			08/19/25 06:39	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 06:39	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 06:39	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 06:39	1
Benzene	<0.220		0.500	0.220	ug/L			08/19/25 06:39	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 06:39	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 06:39	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 06:39	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 06:39	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 06:39	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 06:39	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/19/25 06:39	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 06:39	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 06:39	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 06:39	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 06:39	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 06:39	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/19/25 06:39	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 06:39	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 06:39	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 06:39	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 06:39	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 06:39	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 06:39	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 06:39	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 06:39	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 06:39	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 06:39	1

Client Sample ID: MW-38_25_08
Lab Sample ID: 310-313508-13
Date Collected: 08/13/25 11:40
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 06:39	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 06:39	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 06:39	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 06:39	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 06:39	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 06:39	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 06:39	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 06:39	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 06:39	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 06:39	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 06:39	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 06:39	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 06:39	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 06:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*76 - 130*		*08/19/25 06:39*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/19/25 06:39*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/19/25 06:39*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.563		10.4	0.563	ug/L		08/19/25 10:19	08/20/25 22:54	1
1,3,5-Trinitrobenzene	<2.40		10.4	2.40	ug/L		08/19/25 10:19	08/26/25 03:05	1
1,3-Dinitrobenzene	<3.33		10.4	3.33	ug/L		08/19/25 10:19	08/20/25 22:54	1
1,4-Naphthoquinone	<3.75	*1	10.4	3.75	ug/L		08/19/25 10:19	08/26/25 03:05	1
1,4-phenylenediamine	<1.98	*-	10.4	1.98	ug/L		08/19/25 10:19	08/26/25 03:05	1
1-Naphthylamine	<2.60		10.4	2.60	ug/L		08/19/25 10:19	08/26/25 03:05	1
2,3,4,6-Tetrachlorophenol	<5.52		10.4	5.52	ug/L		08/19/25 10:19	08/20/25 22:54	1
2,4,5-Trichlorophenol	<5.52		10.4	5.52	ug/L		08/19/25 10:19	08/20/25 22:54	1
2,4,6-Trichlorophenol	<5.21		10.4	5.21	ug/L		08/19/25 10:19	08/20/25 22:54	1
2,4-Dichlorophenol	<0.885		10.4	0.885	ug/L		08/19/25 10:19	08/20/25 22:54	1
2,4-Dimethylphenol	<0.604		10.4	0.604	ug/L		08/19/25 10:19	08/20/25 22:54	1
2,4-Dinitrophenol	<13.5	*1	20.8	13.5	ug/L		08/19/25 10:19	08/20/25 22:54	1
2,4-Dinitrotoluene	<6.67		10.4	6.67	ug/L		08/19/25 10:19	08/20/25 22:54	1
2,6-Dichlorophenol	<0.719		10.4	0.719	ug/L		08/19/25 10:19	08/20/25 22:54	1
2,6-Dinitrotoluene	<0.542		10.4	0.542	ug/L		08/19/25 10:19	08/20/25 22:54	1
2-Acetylaminofluorene	<2.81	*1	10.4	2.81	ug/L		08/19/25 10:19	08/26/25 03:05	1
2-Chloronaphthalene	<0.667		10.4	0.667	ug/L		08/19/25 10:19	08/20/25 22:54	1
2-Chlorophenol	<0.563		10.4	0.563	ug/L		08/19/25 10:19	08/20/25 22:54	1
2-Methylnaphthalene	<0.615		10.4	0.615	ug/L		08/19/25 10:19	08/20/25 22:54	1
2-Methylphenol	<0.677		10.4	0.677	ug/L		08/19/25 10:19	08/20/25 22:54	1
2-Naphthylamine	<2.19	*1	10.4	2.19	ug/L		08/19/25 10:19	08/26/25 03:05	1
2-Nitroaniline	<6.15		10.4	6.15	ug/L		08/19/25 10:19	08/20/25 22:54	1
2-Nitrophenol	<7.08		10.4	7.08	ug/L		08/19/25 10:19	08/20/25 22:54	1
3,3'-Dichlorobenzidine	<1.46		10.4	1.46	ug/L		08/19/25 10:19	08/20/25 22:54	1
3,3'-Dimethylbenzidine	<1.56	*- *1	10.4	1.56	ug/L		08/19/25 10:19	08/26/25 03:05	1
3-Methylcholanthrene	<0.333		10.4	0.333	ug/L		08/19/25 10:19	08/26/25 03:05	1
3-Nitroaniline	<2.81		10.4	2.81	ug/L		08/19/25 10:19	08/20/25 22:54	1
4,6-Dinitro-2-methylphenol	<7.19		10.4	7.19	ug/L		08/19/25 10:19	08/20/25 22:54	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-38_25_08
Lab Sample ID: 310-313508-13
Date Collected: 08/13/25 11:40
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.29	*- *1	10.4	2.29	ug/L		08/19/25 10:19	08/26/25 03:05	1
4-Bromophenyl phenyl ether	<0.729		10.4	0.729	ug/L		08/19/25 10:19	08/20/25 22:54	1
4-Chloro-3-methylphenol	<0.875		10.4	0.875	ug/L		08/19/25 10:19	08/20/25 22:54	1
4-Chloroaniline	<0.646	*1	10.4	0.646	ug/L		08/19/25 10:19	08/20/25 22:54	1
4-Chlorophenyl phenyl ether	<0.719		10.4	0.719	ug/L		08/19/25 10:19	08/20/25 22:54	1
Methylphenol, 3 & 4	<0.729		10.4	0.729	ug/L		08/19/25 10:19	08/20/25 22:54	1
4-Nitroaniline	<1.35		10.4	1.35	ug/L		08/19/25 10:19	08/20/25 22:54	1
4-Nitrophenol	<7.92		10.4	7.92	ug/L		08/19/25 10:19	08/20/25 22:54	1
5-Nitro-o-toluidine	<2.92	*1	10.4	2.92	ug/L		08/19/25 10:19	08/26/25 03:05	1
7,12-Dimethylbenz(a)anthracene	<1.98	*1	10.4	1.98	ug/L		08/19/25 10:19	08/26/25 03:05	1
Acenaphthene	<0.667		10.4	0.667	ug/L		08/19/25 10:19	08/20/25 22:54	1
Acenaphthylene	<0.750		10.4	0.750	ug/L		08/19/25 10:19	08/20/25 22:54	1
Acetophenone	<0.719		10.4	0.719	ug/L		08/19/25 10:19	08/20/25 22:54	1
Anthracene	<0.906		10.4	0.906	ug/L		08/19/25 10:19	08/20/25 22:54	1
Benzo[a]anthracene	<0.885		10.4	0.885	ug/L		08/19/25 10:19	08/20/25 22:54	1
Benzo[a]pyrene	<8.44		10.4	8.44	ug/L		08/19/25 10:19	08/20/25 22:54	1
Benzo[b]fluoranthene	<5.10		10.4	5.10	ug/L		08/19/25 10:19	08/20/25 22:54	1
Benzo[g,h,i]perylene	<6.56		10.4	6.56	ug/L		08/19/25 10:19	08/20/25 22:54	1
Benzo[k]fluoranthene	<2.29		10.4	2.29	ug/L		08/19/25 10:19	08/20/25 22:54	1
Benzyl alcohol	<1.35		10.4	1.35	ug/L		08/19/25 10:19	08/20/25 22:54	1
Bis(2-chloroethoxy)methane	<0.792		10.4	0.792	ug/L		08/19/25 10:19	08/20/25 22:54	1
Bis(2-chloroethyl)ether	<0.854		10.4	0.854	ug/L		08/19/25 10:19	08/20/25 22:54	1
2,2'-oxybis[1-chloropropane]	<0.563		10.4	0.563	ug/L		08/19/25 10:19	08/20/25 22:54	1
Bis(2-ethylhexyl) phthalate	<5.73		10.4	5.73	ug/L		08/19/25 10:19	08/20/25 22:54	1
Butyl benzyl phthalate	<5.63		10.4	5.63	ug/L		08/19/25 10:19	08/20/25 22:54	1
Chlorobenzilate	<3.75		10.4	3.75	ug/L		08/19/25 10:19	08/26/25 03:05	1
Chrysene	<0.906		10.4	0.906	ug/L		08/19/25 10:19	08/20/25 22:54	1
Diallate	<4.17	*1	10.4	4.17	ug/L		08/19/25 10:19	08/26/25 03:05	1
Dibenzo(a,h)anthracene	<4.06		10.4	4.06	ug/L		08/19/25 10:19	08/20/25 22:54	1
Dibenzofuran	<0.771		10.4	0.771	ug/L		08/19/25 10:19	08/20/25 22:54	1
Diethyl phthalate	<1.77		10.4	1.77	ug/L		08/19/25 10:19	08/20/25 22:54	1
Dimethoate	<3.75		10.4	3.75	ug/L		08/19/25 10:19	08/26/25 03:05	1
Dimethyl phthalate	<1.04		10.4	1.04	ug/L		08/19/25 10:19	08/20/25 22:54	1
Di-n-butyl phthalate	<5.83		10.4	5.83	ug/L		08/19/25 10:19	08/20/25 22:54	1
Di-n-octyl phthalate	<7.29		20.8	7.29	ug/L		08/19/25 10:19	08/20/25 22:54	1
Dinoseb	<2.50		10.4	2.50	ug/L		08/19/25 10:19	08/26/25 03:05	1
Diphenylamine	<6.25		10.4	6.25	ug/L		08/19/25 10:19	08/20/25 22:54	1
Disulfoton	<2.50		10.4	2.50	ug/L		08/19/25 10:19	08/26/25 03:05	1
Ethyl methanesulfonate	<3.75	*1	10.4	3.75	ug/L		08/19/25 10:19	08/26/25 03:05	1
Ethyl Parathion	<2.29		10.4	2.29	ug/L		08/19/25 10:19	08/26/25 03:05	1
Famphur	<3.96		10.4	3.96	ug/L		08/19/25 10:19	08/26/25 03:05	1
Fluoranthene	<1.77		10.4	1.77	ug/L		08/19/25 10:19	08/20/25 22:54	1
Fluorene	<0.823		10.4	0.823	ug/L		08/19/25 10:19	08/20/25 22:54	1
Hexachlorobenzene	<0.729		10.4	0.729	ug/L		08/19/25 10:19	08/20/25 22:54	1
Hexachlorobutadiene	<0.896		10.4	0.896	ug/L		08/19/25 10:19	08/20/25 22:54	1
Hexachlorocyclopentadiene	<5.31		10.4	5.31	ug/L		08/19/25 10:19	08/20/25 22:54	1
Hexachloroethane	<1.01		10.4	1.01	ug/L		08/19/25 10:19	08/20/25 22:54	1
Hexachloropropene	<2.71		10.4	2.71	ug/L		08/19/25 10:19	08/26/25 03:05	1
Indeno[1,2,3-cd]pyrene	<4.38		10.4	4.38	ug/L		08/19/25 10:19	08/20/25 22:54	1

Client Sample ID: MW-38_25_08
Lab Sample ID: 310-313508-13
Date Collected: 08/13/25 11:40
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.90	*1	10.4	4.90	ug/L		08/19/25 10:19	08/26/25 03:05	1
Isophorone	<0.969		10.4	0.969	ug/L		08/19/25 10:19	08/20/25 22:54	1
Isosafrole	<2.40	*1	10.4	2.40	ug/L		08/19/25 10:19	08/26/25 03:05	1
Kepone	<1.04		10.4	1.04	ug/L		08/19/25 10:19	08/26/25 03:05	1
Methapyrilene	<0.792	*-	10.4	0.792	ug/L		08/19/25 10:19	08/26/25 03:05	1
Methyl methanesulfonate	<3.44	*1	10.4	3.44	ug/L		08/19/25 10:19	08/26/25 03:05	1
Methyl parathion	<2.40	*1	10.4	2.40	ug/L		08/19/25 10:19	08/26/25 03:05	1
Nitrobenzene	<0.833		10.4	0.833	ug/L		08/19/25 10:19	08/20/25 22:54	1
N-Nitrosodiethylamine	<3.54		10.4	3.54	ug/L		08/19/25 10:19	08/26/25 03:05	1
N-Nitrosodimethylamine	<0.750		10.4	0.750	ug/L		08/19/25 10:19	08/20/25 22:54	1
N-Nitrosodi-n-butylamine	<4.06	*1	10.4	4.06	ug/L		08/19/25 10:19	08/26/25 03:05	1
N-Nitrosodi-n-propylamine	<0.958		10.4	0.958	ug/L		08/19/25 10:19	08/20/25 22:54	1
N-Nitrosodiphenylamine	<0.781		10.4	0.781	ug/L		08/19/25 10:19	08/20/25 22:54	1
N-Nitrosomethylethylamine	<5.10	*1	10.4	5.10	ug/L		08/19/25 10:19	08/26/25 03:05	1
N-Nitrosopiperidine	<2.81	*1	10.4	2.81	ug/L		08/19/25 10:19	08/26/25 03:05	1
N-Nitrosopyrrolidine	<3.75		10.4	3.75	ug/L		08/19/25 10:19	08/26/25 03:05	1
o,o',o''-Triethylphosphorothioate	<3.33		10.4	3.33	ug/L		08/19/25 10:19	08/26/25 03:05	1
o-Toluidine	<3.02	*1	10.4	3.02	ug/L		08/19/25 10:19	08/26/25 03:05	1
p-Dimethylamino azobenzene	<2.29	*1	10.4	2.29	ug/L		08/19/25 10:19	08/26/25 03:05	1
Pentachlorobenzene	<2.92		10.4	2.92	ug/L		08/19/25 10:19	08/26/25 03:05	1
Pentachloronitrobenzene	<6.04		10.4	6.04	ug/L		08/19/25 10:19	08/26/25 03:05	1
Pentachlorophenol	<10.0		10.4	10.0	ug/L		08/19/25 10:19	08/20/25 22:54	1
Phenacetin	<1.98		10.4	1.98	ug/L		08/19/25 10:19	08/26/25 03:05	1
Phenanthrene	<0.823		10.4	0.823	ug/L		08/19/25 10:19	08/20/25 22:54	1
Phenol	<1.15		10.4	1.15	ug/L		08/19/25 10:19	08/20/25 22:54	1
Phorate	<3.33		10.4	3.33	ug/L		08/19/25 10:19	08/26/25 03:05	1
Pronamide	<2.81		10.4	2.81	ug/L		08/19/25 10:19	08/26/25 03:05	1
Pyrene	<0.823		10.4	0.823	ug/L		08/19/25 10:19	08/20/25 22:54	1
Safrole	<2.92	*1	10.4	2.92	ug/L		08/19/25 10:19	08/26/25 03:05	1
Thionazin	<3.65	*1	10.4	3.65	ug/L		08/19/25 10:19	08/26/25 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*50*		*21 - 110*	*08/19/25 10:19*	*08/20/25 22:54*	*1*
Phenol-d5 (Surr)	*41*		*21 - 110*	*08/19/25 10:19*	*08/20/25 22:54*	*1*
Nitrobenzene-d5 (Surr)	*62*		*39 - 140*	*08/19/25 10:19*	*08/20/25 22:54*	*1*
2-Fluorobiphenyl (Surr)	*57*		*33 - 126*	*08/19/25 10:19*	*08/20/25 22:54*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*20 - 144*	*08/19/25 10:19*	*08/20/25 22:54*	*1*
Terphenyl-d14 (Surr)	*74*		*13 - 150*	*08/19/25 10:19*	*08/26/25 03:05*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/19/25 22:45	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/19/25 22:45	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0224		0.0897	0.0224	ug/L		08/19/25 09:56	08/22/25 16:18	1
4,4'-DDE	<0.0269		0.0897	0.0269	ug/L		08/19/25 09:56	08/22/25 16:18	1
4,4'-DDT	<0.0179		0.0897	0.0179	ug/L		08/19/25 09:56	08/22/25 16:18	1
Aldrin	<0.0197		0.0897	0.0197	ug/L		08/19/25 09:56	08/22/25 16:18	1

Client Sample ID: MW-38_25_08
Lab Sample ID: 310-313508-13
Date Collected: 08/13/25 11:40
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00897		0.0897	0.00897	ug/L		08/19/25 09:56	08/22/25 16:18	1
beta-BHC	<0.0377		0.0897	0.0377	ug/L		08/19/25 09:56	08/22/25 16:18	1
Chlordane (technical)	<0.350		1.79	0.350	ug/L		08/19/25 09:56	08/22/25 16:18	1
delta-BHC	<0.0287		0.0897	0.0287	ug/L		08/19/25 09:56	08/22/25 16:18	1
Dieldrin	<0.0188		0.0897	0.0188	ug/L		08/19/25 09:56	08/22/25 16:18	1
Endosulfan I	<0.0251		0.0897	0.0251	ug/L		08/19/25 09:56	08/22/25 16:18	1
Endosulfan II	<0.0233		0.0897	0.0233	ug/L		08/19/25 09:56	08/22/25 16:18	1
Endosulfan sulfate	<0.0162		0.0897	0.0162	ug/L		08/19/25 09:56	08/22/25 16:18	1
Endrin	<0.0251		0.0897	0.0251	ug/L		08/19/25 09:56	08/22/25 16:18	1
Endrin aldehyde	<0.0242		0.0897	0.0242	ug/L		08/19/25 09:56	08/22/25 16:18	1
gamma-BHC (Lindane)	<0.00897		0.0897	0.00897	ug/L		08/19/25 09:56	08/22/25 16:18	1
Heptachlor	<0.0206		0.0897	0.0206	ug/L		08/19/25 09:56	08/22/25 16:18	1
Heptachlor epoxide	<0.0287		0.0897	0.0287	ug/L		08/19/25 09:56	08/22/25 16:18	1
Methoxychlor	<0.0287		0.0897	0.0287	ug/L		08/19/25 09:56	08/22/25 16:18	1
Toxaphene	<0.897		1.79	0.897	ug/L		08/19/25 09:56	08/22/25 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*61*		*10 - 150*	*08/19/25 09:56*	*08/22/25 16:18*	*1*
Tetrachloro-m-xylene	*52*		*17 - 150*	*08/19/25 09:56*	*08/22/25 16:18*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.736		1.79	0.736	ug/L		08/19/25 09:56	08/22/25 16:18	1
PCB-1221	<0.736		1.79	0.736	ug/L		08/19/25 09:56	08/22/25 16:18	1
PCB-1232	<0.736		1.79	0.736	ug/L		08/19/25 09:56	08/22/25 16:18	1
PCB-1242	<0.736		1.79	0.736	ug/L		08/19/25 09:56	08/22/25 16:18	1
PCB-1248	<0.619		1.79	0.619	ug/L		08/19/25 09:56	08/22/25 16:18	1
PCB-1254	<0.619		1.79	0.619	ug/L		08/19/25 09:56	08/22/25 16:18	1
PCB-1260	<0.619		1.79	0.619	ug/L		08/19/25 09:56	08/22/25 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*62*		*10 - 150*	*08/19/25 09:56*	*08/22/25 16:18*	*1*
Tetrachloro-m-xylene	*53*		*17 - 150*	*08/19/25 09:56*	*08/22/25 16:18*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.133	*1	1.05	0.133	ug/L		08/20/25 07:38	08/20/25 22:15	1
Silvex (2,4,5-TP)	<0.110	*+	1.05	0.110	ug/L		08/20/25 07:38	08/20/25 22:15	1
2,4,5-T	<0.147	*+ *1	1.05	0.147	ug/L		08/20/25 07:38	08/20/25 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*95*		*25 - 130*	*08/20/25 07:38*	*08/20/25 22:15*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/26/25 14:19	1
Arsenic	**0.00133**	**J**	0.00200	0.000530	mg/L		08/20/25 09:00	08/26/25 14:19	1
Barium	**0.0457**		0.00200	0.000660	mg/L		08/20/25 09:00	08/26/25 14:19	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/26/25 14:19	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/26/25 14:19	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/26/25 14:19	1

Client Sample ID: MW-38_25_08
Lab Sample ID: 310-313508-13
Date Collected: 08/13/25 11:40
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/20/25 09:00	08/26/25 14:19	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/26/25 14:19	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/26/25 14:19	1
Nickel	<0.00230		0.00500	0.00230	mg/L		08/20/25 09:00	08/26/25 14:19	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/26/25 14:19	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/26/25 14:19	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/20/25 09:00	08/26/25 14:19	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/26/25 14:19	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/26/25 14:19	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/20/25 09:00	08/26/25 14:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 11:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/19/25 09:19	08/19/25 22:51	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/20/25 16:25	08/20/25 16:55	1
Total Suspended Solids (USGS I-3765-85)	**2.00**		1.88	1.31	mg/L			08/18/25 12:34	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: VP-3_25_08
Lab Sample ID: 310-313508-14
Date Collected: 08/13/25 14:25
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 00:21	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 00:21	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 00:21	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 00:21	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/19/25 00:21	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 00:21	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 00:21	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 00:21	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 00:21	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 00:21	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 00:21	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/19/25 00:21	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 00:21	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 00:21	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 00:21	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 00:21	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/19/25 00:21	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 00:21	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 00:21	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 00:21	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 00:21	1
Acetone	<3.10		10.0	3.10	ug/L			08/19/25 00:21	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 00:21	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 00:21	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 00:21	1
Benzene	<0.220		0.500	0.220	ug/L			08/19/25 00:21	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 00:21	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 00:21	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 00:21	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 00:21	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 00:21	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 00:21	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/19/25 00:21	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 00:21	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 00:21	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 00:21	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 00:21	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 00:21	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/19/25 00:21	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 00:21	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 00:21	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 00:21	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 00:21	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 00:21	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 00:21	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 00:21	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 00:21	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 00:21	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 00:21	1

Client Sample ID: VP-3_25_08
Lab Sample ID: 310-313508-14
Date Collected: 08/13/25 14:25
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 00:21	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 00:21	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 00:21	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 00:21	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 00:21	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 00:21	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 00:21	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 00:21	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 00:21	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 00:21	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 00:21	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 00:21	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 00:21	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*76 - 130*		*08/19/25 00:21*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/19/25 00:21*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*08/19/25 00:21*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.563		10.4	0.563	ug/L		08/19/25 10:19	08/20/25 23:24	1
1,3,5-Trinitrobenzene	<2.40		10.4	2.40	ug/L		08/19/25 10:19	08/26/25 03:31	1
1,3-Dinitrobenzene	<3.33		10.4	3.33	ug/L		08/19/25 10:19	08/20/25 23:24	1
1,4-Naphthoquinone	<3.75	*1	10.4	3.75	ug/L		08/19/25 10:19	08/26/25 03:31	1
1,4-phenylenediamine	<1.98	*-	10.4	1.98	ug/L		08/19/25 10:19	08/26/25 03:31	1
1-Naphthylamine	<2.60		10.4	2.60	ug/L		08/19/25 10:19	08/26/25 03:31	1
2,3,4,6-Tetrachlorophenol	<5.52		10.4	5.52	ug/L		08/19/25 10:19	08/20/25 23:24	1
2,4,5-Trichlorophenol	<5.52		10.4	5.52	ug/L		08/19/25 10:19	08/20/25 23:24	1
2,4,6-Trichlorophenol	<5.21		10.4	5.21	ug/L		08/19/25 10:19	08/20/25 23:24	1
2,4-Dichlorophenol	<0.885		10.4	0.885	ug/L		08/19/25 10:19	08/20/25 23:24	1
2,4-Dimethylphenol	<0.604		10.4	0.604	ug/L		08/19/25 10:19	08/20/25 23:24	1
2,4-Dinitrophenol	<13.5	*1	20.8	13.5	ug/L		08/19/25 10:19	08/20/25 23:24	1
2,4-Dinitrotoluene	<6.67		10.4	6.67	ug/L		08/19/25 10:19	08/20/25 23:24	1
2,6-Dichlorophenol	<0.719		10.4	0.719	ug/L		08/19/25 10:19	08/20/25 23:24	1
2,6-Dinitrotoluene	<0.542		10.4	0.542	ug/L		08/19/25 10:19	08/20/25 23:24	1
2-Acetylaminofluorene	<2.81	*1	10.4	2.81	ug/L		08/19/25 10:19	08/26/25 03:31	1
2-Chloronaphthalene	<0.667		10.4	0.667	ug/L		08/19/25 10:19	08/20/25 23:24	1
2-Chlorophenol	<0.563		10.4	0.563	ug/L		08/19/25 10:19	08/20/25 23:24	1
2-Methylnaphthalene	<0.615		10.4	0.615	ug/L		08/19/25 10:19	08/20/25 23:24	1
2-Methylphenol	<0.677		10.4	0.677	ug/L		08/19/25 10:19	08/20/25 23:24	1
2-Naphthylamine	<2.19	*1	10.4	2.19	ug/L		08/19/25 10:19	08/26/25 03:31	1
2-Nitroaniline	<6.15		10.4	6.15	ug/L		08/19/25 10:19	08/20/25 23:24	1
2-Nitrophenol	<7.08		10.4	7.08	ug/L		08/19/25 10:19	08/20/25 23:24	1
3,3'-Dichlorobenzidine	<1.46		10.4	1.46	ug/L		08/19/25 10:19	08/20/25 23:24	1
3,3'-Dimethylbenzidine	<1.56	*- *1	10.4	1.56	ug/L		08/19/25 10:19	08/26/25 03:31	1
3-Methylcholanthrene	<0.333		10.4	0.333	ug/L		08/19/25 10:19	08/26/25 03:31	1
3-Nitroaniline	<2.81		10.4	2.81	ug/L		08/19/25 10:19	08/20/25 23:24	1
4,6-Dinitro-2-methylphenol	<7.19		10.4	7.19	ug/L		08/19/25 10:19	08/20/25 23:24	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: VP-3_25_08
Lab Sample ID: 310-313508-14
Date Collected: 08/13/25 14:25
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.29	*- *1	10.4	2.29	ug/L		08/19/25 10:19	08/26/25 03:31	1
4-Bromophenyl phenyl ether	<0.729		10.4	0.729	ug/L		08/19/25 10:19	08/20/25 23:24	1
4-Chloro-3-methylphenol	<0.875		10.4	0.875	ug/L		08/19/25 10:19	08/20/25 23:24	1
4-Chloroaniline	<0.646	*1	10.4	0.646	ug/L		08/19/25 10:19	08/20/25 23:24	1
4-Chlorophenyl phenyl ether	<0.719		10.4	0.719	ug/L		08/19/25 10:19	08/20/25 23:24	1
Methylphenol, 3 & 4	<0.729		10.4	0.729	ug/L		08/19/25 10:19	08/20/25 23:24	1
4-Nitroaniline	<1.35		10.4	1.35	ug/L		08/19/25 10:19	08/20/25 23:24	1
4-Nitrophenol	<7.92		10.4	7.92	ug/L		08/19/25 10:19	08/20/25 23:24	1
5-Nitro-o-toluidine	<2.92	*1	10.4	2.92	ug/L		08/19/25 10:19	08/26/25 03:31	1
7,12-Dimethylbenz(a)anthracene	<1.98	*1	10.4	1.98	ug/L		08/19/25 10:19	08/26/25 03:31	1
Acenaphthene	<0.667		10.4	0.667	ug/L		08/19/25 10:19	08/20/25 23:24	1
Acenaphthylene	<0.750		10.4	0.750	ug/L		08/19/25 10:19	08/20/25 23:24	1
Acetophenone	<0.719		10.4	0.719	ug/L		08/19/25 10:19	08/20/25 23:24	1
Anthracene	<0.906		10.4	0.906	ug/L		08/19/25 10:19	08/20/25 23:24	1
Benzo[a]anthracene	<0.885		10.4	0.885	ug/L		08/19/25 10:19	08/20/25 23:24	1
Benzo[a]pyrene	<8.44		10.4	8.44	ug/L		08/19/25 10:19	08/20/25 23:24	1
Benzo[b]fluoranthene	<5.10		10.4	5.10	ug/L		08/19/25 10:19	08/20/25 23:24	1
Benzo[g,h,i]perylene	<6.56		10.4	6.56	ug/L		08/19/25 10:19	08/20/25 23:24	1
Benzo[k]fluoranthene	<2.29		10.4	2.29	ug/L		08/19/25 10:19	08/20/25 23:24	1
Benzyl alcohol	<1.35		10.4	1.35	ug/L		08/19/25 10:19	08/20/25 23:24	1
Bis(2-chloroethoxy)methane	<0.792		10.4	0.792	ug/L		08/19/25 10:19	08/20/25 23:24	1
Bis(2-chloroethyl)ether	<0.854		10.4	0.854	ug/L		08/19/25 10:19	08/20/25 23:24	1
2,2'-oxybis[1-chloropropane]	<0.563		10.4	0.563	ug/L		08/19/25 10:19	08/20/25 23:24	1
Bis(2-ethylhexyl) phthalate	<5.73		10.4	5.73	ug/L		08/19/25 10:19	08/20/25 23:24	1
Butyl benzyl phthalate	<5.63		10.4	5.63	ug/L		08/19/25 10:19	08/20/25 23:24	1
Chlorobenzilate	<3.75		10.4	3.75	ug/L		08/19/25 10:19	08/26/25 03:31	1
Chrysene	<0.906		10.4	0.906	ug/L		08/19/25 10:19	08/20/25 23:24	1
Diallate	<4.17	*1	10.4	4.17	ug/L		08/19/25 10:19	08/26/25 03:31	1
Dibenzo(a,h)anthracene	<4.06		10.4	4.06	ug/L		08/19/25 10:19	08/20/25 23:24	1
Dibenzofuran	<0.771		10.4	0.771	ug/L		08/19/25 10:19	08/20/25 23:24	1
Diethyl phthalate	<1.77		10.4	1.77	ug/L		08/19/25 10:19	08/20/25 23:24	1
Dimethoate	<3.75		10.4	3.75	ug/L		08/19/25 10:19	08/26/25 03:31	1
Dimethyl phthalate	<1.04		10.4	1.04	ug/L		08/19/25 10:19	08/20/25 23:24	1
Di-n-butyl phthalate	<5.83		10.4	5.83	ug/L		08/19/25 10:19	08/20/25 23:24	1
Di-n-octyl phthalate	<7.29		20.8	7.29	ug/L		08/19/25 10:19	08/20/25 23:24	1
Dinoseb	<2.50		10.4	2.50	ug/L		08/19/25 10:19	08/26/25 03:31	1
Diphenylamine	<6.25		10.4	6.25	ug/L		08/19/25 10:19	08/20/25 23:24	1
Disulfoton	<2.50		10.4	2.50	ug/L		08/19/25 10:19	08/26/25 03:31	1
Ethyl methanesulfonate	<3.75	*1	10.4	3.75	ug/L		08/19/25 10:19	08/26/25 03:31	1
Ethyl Parathion	<2.29		10.4	2.29	ug/L		08/19/25 10:19	08/26/25 03:31	1
Famphur	<3.96		10.4	3.96	ug/L		08/19/25 10:19	08/26/25 03:31	1
Fluoranthene	<1.77		10.4	1.77	ug/L		08/19/25 10:19	08/20/25 23:24	1
Fluorene	<0.823		10.4	0.823	ug/L		08/19/25 10:19	08/20/25 23:24	1
Hexachlorobenzene	<0.729		10.4	0.729	ug/L		08/19/25 10:19	08/20/25 23:24	1
Hexachlorobutadiene	<0.896		10.4	0.896	ug/L		08/19/25 10:19	08/20/25 23:24	1
Hexachlorocyclopentadiene	<5.31		10.4	5.31	ug/L		08/19/25 10:19	08/20/25 23:24	1
Hexachloroethane	<1.01		10.4	1.01	ug/L		08/19/25 10:19	08/20/25 23:24	1
Hexachloropropene	<2.71		10.4	2.71	ug/L		08/19/25 10:19	08/26/25 03:31	1
Indeno[1,2,3-cd]pyrene	<4.38		10.4	4.38	ug/L		08/19/25 10:19	08/20/25 23:24	1

Client Sample ID: VP-3_25_08
Lab Sample ID: 310-313508-14
Date Collected: 08/13/25 14:25
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.90	*1	10.4	4.90	ug/L		08/19/25 10:19	08/26/25 03:31	1
Isophorone	<0.969		10.4	0.969	ug/L		08/19/25 10:19	08/20/25 23:24	1
Isosafrole	<2.40	*1	10.4	2.40	ug/L		08/19/25 10:19	08/26/25 03:31	1
Kepone	<1.04		10.4	1.04	ug/L		08/19/25 10:19	08/26/25 03:31	1
Methapyrilene	<0.792	*-	10.4	0.792	ug/L		08/19/25 10:19	08/26/25 03:31	1
Methyl methanesulfonate	<3.44	*1	10.4	3.44	ug/L		08/19/25 10:19	08/26/25 03:31	1
Methyl parathion	<2.40	*1	10.4	2.40	ug/L		08/19/25 10:19	08/26/25 03:31	1
Nitrobenzene	<0.833		10.4	0.833	ug/L		08/19/25 10:19	08/20/25 23:24	1
N-Nitrosodiethylamine	<3.54		10.4	3.54	ug/L		08/19/25 10:19	08/26/25 03:31	1
N-Nitrosodimethylamine	<0.750		10.4	0.750	ug/L		08/19/25 10:19	08/20/25 23:24	1
N-Nitrosodi-n-butylamine	<4.06	*1	10.4	4.06	ug/L		08/19/25 10:19	08/26/25 03:31	1
N-Nitrosodi-n-propylamine	<0.958		10.4	0.958	ug/L		08/19/25 10:19	08/20/25 23:24	1
N-Nitrosodiphenylamine	<0.781		10.4	0.781	ug/L		08/19/25 10:19	08/20/25 23:24	1
N-Nitrosomethylethylamine	<5.10	*1	10.4	5.10	ug/L		08/19/25 10:19	08/26/25 03:31	1
N-Nitrosopiperidine	<2.81	*1	10.4	2.81	ug/L		08/19/25 10:19	08/26/25 03:31	1
N-Nitrosopyrrolidine	<3.75		10.4	3.75	ug/L		08/19/25 10:19	08/26/25 03:31	1
o,o',o''-Triethylphosphorothioate	<3.33		10.4	3.33	ug/L		08/19/25 10:19	08/26/25 03:31	1
o-Toluidine	<3.02	*1	10.4	3.02	ug/L		08/19/25 10:19	08/26/25 03:31	1
p-Dimethylamino azobenzene	<2.29	*1	10.4	2.29	ug/L		08/19/25 10:19	08/26/25 03:31	1
Pentachlorobenzene	<2.92		10.4	2.92	ug/L		08/19/25 10:19	08/26/25 03:31	1
Pentachloronitrobenzene	<6.04		10.4	6.04	ug/L		08/19/25 10:19	08/26/25 03:31	1
Pentachlorophenol	<10.0		10.4	10.0	ug/L		08/19/25 10:19	08/20/25 23:24	1
Phenacetin	<1.98		10.4	1.98	ug/L		08/19/25 10:19	08/26/25 03:31	1
Phenanthrene	<0.823		10.4	0.823	ug/L		08/19/25 10:19	08/20/25 23:24	1
Phenol	<1.15		10.4	1.15	ug/L		08/19/25 10:19	08/20/25 23:24	1
Phorate	<3.33		10.4	3.33	ug/L		08/19/25 10:19	08/26/25 03:31	1
Pronamide	<2.81		10.4	2.81	ug/L		08/19/25 10:19	08/26/25 03:31	1
Pyrene	<0.823		10.4	0.823	ug/L		08/19/25 10:19	08/20/25 23:24	1
Safrole	<2.92	*1	10.4	2.92	ug/L		08/19/25 10:19	08/26/25 03:31	1
Thionazin	<3.65	*1	10.4	3.65	ug/L		08/19/25 10:19	08/26/25 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*65*		*21 - 110*	*08/19/25 10:19*	*08/20/25 23:24*	*1*
Phenol-d5 (Surr)	*52*		*21 - 110*	*08/19/25 10:19*	*08/20/25 23:24*	*1*
Nitrobenzene-d5 (Surr)	*82*		*39 - 140*	*08/19/25 10:19*	*08/20/25 23:24*	*1*
2-Fluorobiphenyl (Surr)	*76*		*33 - 126*	*08/19/25 10:19*	*08/20/25 23:24*	*1*
2,4,6-Tribromophenol (Surr)	*97*		*20 - 144*	*08/19/25 10:19*	*08/20/25 23:24*	*1*
Terphenyl-d14 (Surr)	*96*		*13 - 150*	*08/19/25 10:19*	*08/26/25 03:31*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/19/25 23:04	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/19/25 23:04	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0225		0.0900	0.0225	ug/L		08/19/25 09:56	08/22/25 16:31	1
4,4'-DDE	<0.0270		0.0900	0.0270	ug/L		08/19/25 09:56	08/22/25 16:31	1
4,4'-DDT	<0.0180		0.0900	0.0180	ug/L		08/19/25 09:56	08/22/25 16:31	1
Aldrin	<0.0198		0.0900	0.0198	ug/L		08/19/25 09:56	08/22/25 16:31	1

Client Sample ID: VP-3_25_08
Lab Sample ID: 310-313508-14
Date Collected: 08/13/25 14:25
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00900		0.0900	0.00900	ug/L		08/19/25 09:56	08/22/25 16:31	1
beta-BHC	<0.0378		0.0900	0.0378	ug/L		08/19/25 09:56	08/22/25 16:31	1
Chlordane (technical)	<0.351		1.80	0.351	ug/L		08/19/25 09:56	08/22/25 16:31	1
delta-BHC	<0.0288		0.0900	0.0288	ug/L		08/19/25 09:56	08/22/25 16:31	1
Dieldrin	<0.0189		0.0900	0.0189	ug/L		08/19/25 09:56	08/22/25 16:31	1
Endosulfan I	<0.0252		0.0900	0.0252	ug/L		08/19/25 09:56	08/22/25 16:31	1
Endosulfan II	<0.0234		0.0900	0.0234	ug/L		08/19/25 09:56	08/22/25 16:31	1
Endosulfan sulfate	<0.0162		0.0900	0.0162	ug/L		08/19/25 09:56	08/22/25 16:31	1
Endrin	<0.0252		0.0900	0.0252	ug/L		08/19/25 09:56	08/22/25 16:31	1
Endrin aldehyde	<0.0243		0.0900	0.0243	ug/L		08/19/25 09:56	08/22/25 16:31	1
gamma-BHC (Lindane)	<0.00900		0.0900	0.00900	ug/L		08/19/25 09:56	08/22/25 16:31	1
Heptachlor	<0.0207		0.0900	0.0207	ug/L		08/19/25 09:56	08/22/25 16:31	1
Heptachlor epoxide	<0.0288		0.0900	0.0288	ug/L		08/19/25 09:56	08/22/25 16:31	1
Methoxychlor	<0.0288		0.0900	0.0288	ug/L		08/19/25 09:56	08/22/25 16:31	1
Toxaphene	<0.900		1.80	0.900	ug/L		08/19/25 09:56	08/22/25 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*33*		*10 - 150*	*08/19/25 09:56*	*08/22/25 16:31*	*1*
Tetrachloro-m-xylene	*46*		*17 - 150*	*08/19/25 09:56*	*08/22/25 16:31*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.738		1.80	0.738	ug/L		08/19/25 09:56	08/22/25 16:31	1
PCB-1221	<0.738		1.80	0.738	ug/L		08/19/25 09:56	08/22/25 16:31	1
PCB-1232	<0.738		1.80	0.738	ug/L		08/19/25 09:56	08/22/25 16:31	1
PCB-1242	<0.738		1.80	0.738	ug/L		08/19/25 09:56	08/22/25 16:31	1
PCB-1248	<0.621		1.80	0.621	ug/L		08/19/25 09:56	08/22/25 16:31	1
PCB-1254	<0.621		1.80	0.621	ug/L		08/19/25 09:56	08/22/25 16:31	1
PCB-1260	<0.621		1.80	0.621	ug/L		08/19/25 09:56	08/22/25 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*34*		*10 - 150*	*08/19/25 09:56*	*08/22/25 16:31*	*1*
Tetrachloro-m-xylene	*47*		*17 - 150*	*08/19/25 09:56*	*08/22/25 16:31*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.140	*1	1.11	0.140	ug/L		08/20/25 07:38	08/20/25 22:32	1
Silvex (2,4,5-TP)	<0.116	*+	1.11	0.116	ug/L		08/20/25 07:38	08/20/25 22:32	1
2,4,5-T	<0.155	*+ *1	1.11	0.155	ug/L		08/20/25 07:38	08/20/25 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*96*		*25 - 130*	*08/20/25 07:38*	*08/20/25 22:32*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/26/25 14:21	1
Arsenic	**0.0397**		0.00200	0.000530	mg/L		08/20/25 09:00	08/26/25 14:21	1
Barium	**0.475**		0.00200	0.000660	mg/L		08/20/25 09:00	08/26/25 14:21	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/26/25 14:21	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/26/25 14:21	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/26/25 14:21	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: VP-3_25_08
Lab Sample ID: 310-313508-14

Date Collected: 08/13/25 14:25
Matrix: Water

Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.000567**		0.000500	0.000170	mg/L		08/20/25 09:00	08/26/25 14:21	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/26/25 14:21	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/26/25 14:21	1
Nickel	**0.0121**		0.00500	0.00230	mg/L		08/20/25 09:00	08/26/25 14:21	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/26/25 14:21	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/26/25 14:21	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/20/25 09:00	08/26/25 14:21	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/26/25 14:21	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/26/25 14:21	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/20/25 09:00	08/26/25 14:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 11:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/19/25 09:19	08/19/25 22:51	1
Sulfide (SW846 9034)	**0.395**	**J**	1.00	0.231	mg/L		08/20/25 16:26	08/20/25 16:57	1
Total Suspended Solids (USGS I-3765-85)	**22.5**		7.50	5.25	mg/L			08/18/25 12:34	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: VP-4_25_08
Lab Sample ID: 310-313508-15
Date Collected: 08/13/25 16:45
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 02:13	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 02:13	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 02:13	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 02:13	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/19/25 02:13	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 02:13	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 02:13	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 02:13	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 02:13	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 02:13	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 02:13	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/19/25 02:13	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 02:13	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 02:13	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 02:13	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 02:13	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/19/25 02:13	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 02:13	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 02:13	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 02:13	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 02:13	1
Acetone	<3.10		10.0	3.10	ug/L			08/19/25 02:13	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 02:13	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 02:13	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 02:13	1
Benzene	<0.220		0.500	0.220	ug/L			08/19/25 02:13	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 02:13	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 02:13	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 02:13	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 02:13	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 02:13	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 02:13	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/19/25 02:13	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 02:13	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 02:13	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 02:13	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 02:13	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 02:13	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/19/25 02:13	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 02:13	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 02:13	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 02:13	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 02:13	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 02:13	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 02:13	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 02:13	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 02:13	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 02:13	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 02:13	1

Client Sample ID: VP-4_25_08
Lab Sample ID: 310-313508-15
Date Collected: 08/13/25 16:45
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 02:13	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 02:13	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 02:13	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 02:13	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 02:13	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 02:13	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 02:13	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 02:13	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 02:13	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 02:13	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 02:13	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 02:13	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 02:13	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 02:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*122*		*76 - 130*		*08/19/25 02:13*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/19/25 02:13*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/19/25 02:13*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.563		10.4	0.563	ug/L		08/19/25 10:19	08/20/25 23:54	1
1,3,5-Trinitrobenzene	<2.40		10.4	2.40	ug/L		08/19/25 10:19	08/26/25 03:57	1
1,3-Dinitrobenzene	<3.33		10.4	3.33	ug/L		08/19/25 10:19	08/20/25 23:54	1
1,4-Naphthoquinone	<3.75	*1	10.4	3.75	ug/L		08/19/25 10:19	08/26/25 03:57	1
1,4-phenylenediamine	<1.98	*-	10.4	1.98	ug/L		08/19/25 10:19	08/26/25 03:57	1
1-Naphthylamine	<2.60		10.4	2.60	ug/L		08/19/25 10:19	08/26/25 03:57	1
2,3,4,6-Tetrachlorophenol	<5.52		10.4	5.52	ug/L		08/19/25 10:19	08/20/25 23:54	1
2,4,5-Trichlorophenol	<5.52		10.4	5.52	ug/L		08/19/25 10:19	08/20/25 23:54	1
2,4,6-Trichlorophenol	<5.21		10.4	5.21	ug/L		08/19/25 10:19	08/20/25 23:54	1
2,4-Dichlorophenol	<0.885		10.4	0.885	ug/L		08/19/25 10:19	08/20/25 23:54	1
2,4-Dimethylphenol	<0.604		10.4	0.604	ug/L		08/19/25 10:19	08/20/25 23:54	1
2,4-Dinitrophenol	<13.5	*1	20.8	13.5	ug/L		08/19/25 10:19	08/20/25 23:54	1
2,4-Dinitrotoluene	<6.67		10.4	6.67	ug/L		08/19/25 10:19	08/20/25 23:54	1
2,6-Dichlorophenol	<0.719		10.4	0.719	ug/L		08/19/25 10:19	08/20/25 23:54	1
2,6-Dinitrotoluene	<0.542		10.4	0.542	ug/L		08/19/25 10:19	08/20/25 23:54	1
2-Acetylaminofluorene	<2.81	*1	10.4	2.81	ug/L		08/19/25 10:19	08/26/25 03:57	1
2-Chloronaphthalene	<0.667		10.4	0.667	ug/L		08/19/25 10:19	08/20/25 23:54	1
2-Chlorophenol	<0.563		10.4	0.563	ug/L		08/19/25 10:19	08/20/25 23:54	1
2-Methylnaphthalene	<0.615		10.4	0.615	ug/L		08/19/25 10:19	08/20/25 23:54	1
2-Methylphenol	<0.677		10.4	0.677	ug/L		08/19/25 10:19	08/20/25 23:54	1
2-Naphthylamine	<2.19	*1	10.4	2.19	ug/L		08/19/25 10:19	08/26/25 03:57	1
2-Nitroaniline	<6.15		10.4	6.15	ug/L		08/19/25 10:19	08/20/25 23:54	1
2-Nitrophenol	<7.08		10.4	7.08	ug/L		08/19/25 10:19	08/20/25 23:54	1
3,3'-Dichlorobenzidine	<1.46		10.4	1.46	ug/L		08/19/25 10:19	08/20/25 23:54	1
3,3'-Dimethylbenzidine	<1.56	*- *1	10.4	1.56	ug/L		08/19/25 10:19	08/26/25 03:57	1
3-Methylcholanthrene	<0.333		10.4	0.333	ug/L		08/19/25 10:19	08/26/25 03:57	1
3-Nitroaniline	<2.81		10.4	2.81	ug/L		08/19/25 10:19	08/20/25 23:54	1
4,6-Dinitro-2-methylphenol	<7.19		10.4	7.19	ug/L		08/19/25 10:19	08/20/25 23:54	1

Client Sample ID: VP-4_25_08
Lab Sample ID: 310-313508-15
Date Collected: 08/13/25 16:45
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.29	*- *1	10.4	2.29	ug/L		08/19/25 10:19	08/26/25 03:57	1
4-Bromophenyl phenyl ether	<0.729		10.4	0.729	ug/L		08/19/25 10:19	08/20/25 23:54	1
4-Chloro-3-methylphenol	<0.875		10.4	0.875	ug/L		08/19/25 10:19	08/20/25 23:54	1
4-Chloroaniline	<0.646	*1	10.4	0.646	ug/L		08/19/25 10:19	08/20/25 23:54	1
4-Chlorophenyl phenyl ether	<0.719		10.4	0.719	ug/L		08/19/25 10:19	08/20/25 23:54	1
Methylphenol, 3 & 4	<0.729		10.4	0.729	ug/L		08/19/25 10:19	08/20/25 23:54	1
4-Nitroaniline	<1.35		10.4	1.35	ug/L		08/19/25 10:19	08/20/25 23:54	1
4-Nitrophenol	<7.92		10.4	7.92	ug/L		08/19/25 10:19	08/20/25 23:54	1
5-Nitro-o-toluidine	<2.92	*1	10.4	2.92	ug/L		08/19/25 10:19	08/26/25 03:57	1
7,12-Dimethylbenz(a)anthracene	<1.98	*1	10.4	1.98	ug/L		08/19/25 10:19	08/26/25 03:57	1
Acenaphthene	<0.667		10.4	0.667	ug/L		08/19/25 10:19	08/20/25 23:54	1
Acenaphthylene	<0.750		10.4	0.750	ug/L		08/19/25 10:19	08/20/25 23:54	1
Acetophenone	<0.719		10.4	0.719	ug/L		08/19/25 10:19	08/20/25 23:54	1
Anthracene	<0.906		10.4	0.906	ug/L		08/19/25 10:19	08/20/25 23:54	1
Benzo[a]anthracene	<0.885		10.4	0.885	ug/L		08/19/25 10:19	08/20/25 23:54	1
Benzo[a]pyrene	<8.44		10.4	8.44	ug/L		08/19/25 10:19	08/20/25 23:54	1
Benzo[b]fluoranthene	<5.10		10.4	5.10	ug/L		08/19/25 10:19	08/20/25 23:54	1
Benzo[g,h,i]perylene	<6.56		10.4	6.56	ug/L		08/19/25 10:19	08/20/25 23:54	1
Benzo[k]fluoranthene	<2.29		10.4	2.29	ug/L		08/19/25 10:19	08/20/25 23:54	1
Benzyl alcohol	<1.35		10.4	1.35	ug/L		08/19/25 10:19	08/20/25 23:54	1
Bis(2-chloroethoxy)methane	<0.792		10.4	0.792	ug/L		08/19/25 10:19	08/20/25 23:54	1
Bis(2-chloroethyl)ether	<0.854		10.4	0.854	ug/L		08/19/25 10:19	08/20/25 23:54	1
2,2'-oxybis[1-chloropropane]	<0.563		10.4	0.563	ug/L		08/19/25 10:19	08/20/25 23:54	1
Bis(2-ethylhexyl) phthalate	<5.73		10.4	5.73	ug/L		08/19/25 10:19	08/20/25 23:54	1
Butyl benzyl phthalate	<5.63		10.4	5.63	ug/L		08/19/25 10:19	08/20/25 23:54	1
Chlorobenzilate	<3.75		10.4	3.75	ug/L		08/19/25 10:19	08/26/25 03:57	1
Chrysene	<0.906		10.4	0.906	ug/L		08/19/25 10:19	08/20/25 23:54	1
Diallate	<4.17	*1	10.4	4.17	ug/L		08/19/25 10:19	08/26/25 03:57	1
Dibenzo(a,h)anthracene	<4.06		10.4	4.06	ug/L		08/19/25 10:19	08/20/25 23:54	1
Dibenzofuran	<0.771		10.4	0.771	ug/L		08/19/25 10:19	08/20/25 23:54	1
Diethyl phthalate	<1.77		10.4	1.77	ug/L		08/19/25 10:19	08/20/25 23:54	1
Dimethoate	<3.75		10.4	3.75	ug/L		08/19/25 10:19	08/26/25 03:57	1
Dimethyl phthalate	<1.04		10.4	1.04	ug/L		08/19/25 10:19	08/20/25 23:54	1
Di-n-butyl phthalate	<5.83		10.4	5.83	ug/L		08/19/25 10:19	08/20/25 23:54	1
Di-n-octyl phthalate	<7.29		20.8	7.29	ug/L		08/19/25 10:19	08/20/25 23:54	1
Dinoseb	<2.50		10.4	2.50	ug/L		08/19/25 10:19	08/26/25 03:57	1
Diphenylamine	<6.25		10.4	6.25	ug/L		08/19/25 10:19	08/20/25 23:54	1
Disulfoton	<2.50		10.4	2.50	ug/L		08/19/25 10:19	08/26/25 03:57	1
Ethyl methanesulfonate	<3.75	*1	10.4	3.75	ug/L		08/19/25 10:19	08/26/25 03:57	1
Ethyl Parathion	<2.29		10.4	2.29	ug/L		08/19/25 10:19	08/26/25 03:57	1
Famphur	<3.96		10.4	3.96	ug/L		08/19/25 10:19	08/26/25 03:57	1
Fluoranthene	<1.77		10.4	1.77	ug/L		08/19/25 10:19	08/20/25 23:54	1
Fluorene	<0.823		10.4	0.823	ug/L		08/19/25 10:19	08/20/25 23:54	1
Hexachlorobenzene	<0.729		10.4	0.729	ug/L		08/19/25 10:19	08/20/25 23:54	1
Hexachlorobutadiene	<0.896		10.4	0.896	ug/L		08/19/25 10:19	08/20/25 23:54	1
Hexachlorocyclopentadiene	<5.31		10.4	5.31	ug/L		08/19/25 10:19	08/20/25 23:54	1
Hexachloroethane	<1.01		10.4	1.01	ug/L		08/19/25 10:19	08/20/25 23:54	1
Hexachloropropene	<2.71		10.4	2.71	ug/L		08/19/25 10:19	08/26/25 03:57	1
Indeno[1,2,3-cd]pyrene	<4.38		10.4	4.38	ug/L		08/19/25 10:19	08/20/25 23:54	1

Client Sample ID: VP-4_25_08
Lab Sample ID: 310-313508-15
Date Collected: 08/13/25 16:45
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.90	*1	10.4	4.90	ug/L		08/19/25 10:19	08/26/25 03:57	1
Isophorone	<0.969		10.4	0.969	ug/L		08/19/25 10:19	08/20/25 23:54	1
Isosafrole	<2.40	*1	10.4	2.40	ug/L		08/19/25 10:19	08/26/25 03:57	1
Kepone	<1.04		10.4	1.04	ug/L		08/19/25 10:19	08/26/25 03:57	1
Methapyrilene	<0.792	*-	10.4	0.792	ug/L		08/19/25 10:19	08/26/25 03:57	1
Methyl methanesulfonate	<3.44	*1	10.4	3.44	ug/L		08/19/25 10:19	08/26/25 03:57	1
Methyl parathion	<2.40	*1	10.4	2.40	ug/L		08/19/25 10:19	08/26/25 03:57	1
Nitrobenzene	<0.833		10.4	0.833	ug/L		08/19/25 10:19	08/20/25 23:54	1
N-Nitrosodiethylamine	<3.54		10.4	3.54	ug/L		08/19/25 10:19	08/26/25 03:57	1
N-Nitrosodimethylamine	<0.750		10.4	0.750	ug/L		08/19/25 10:19	08/20/25 23:54	1
N-Nitrosodi-n-butylamine	<4.06	*1	10.4	4.06	ug/L		08/19/25 10:19	08/26/25 03:57	1
N-Nitrosodi-n-propylamine	<0.958		10.4	0.958	ug/L		08/19/25 10:19	08/20/25 23:54	1
N-Nitrosodiphenylamine	<0.781		10.4	0.781	ug/L		08/19/25 10:19	08/20/25 23:54	1
N-Nitrosomethylethylamine	<5.10	*1	10.4	5.10	ug/L		08/19/25 10:19	08/26/25 03:57	1
N-Nitrosopiperidine	<2.81	*1	10.4	2.81	ug/L		08/19/25 10:19	08/26/25 03:57	1
N-Nitrosopyrrolidine	<3.75		10.4	3.75	ug/L		08/19/25 10:19	08/26/25 03:57	1
o,o',o''-Triethylphosphorothioate	<3.33		10.4	3.33	ug/L		08/19/25 10:19	08/26/25 03:57	1
o-Toluidine	<3.02	*1	10.4	3.02	ug/L		08/19/25 10:19	08/26/25 03:57	1
p-Dimethylamino azobenzene	<2.29	*1	10.4	2.29	ug/L		08/19/25 10:19	08/26/25 03:57	1
Pentachlorobenzene	<2.92		10.4	2.92	ug/L		08/19/25 10:19	08/26/25 03:57	1
Pentachloronitrobenzene	<6.04		10.4	6.04	ug/L		08/19/25 10:19	08/26/25 03:57	1
Pentachlorophenol	<10.0		10.4	10.0	ug/L		08/19/25 10:19	08/20/25 23:54	1
Phenacetin	<1.98		10.4	1.98	ug/L		08/19/25 10:19	08/26/25 03:57	1
Phenanthrene	<0.823		10.4	0.823	ug/L		08/19/25 10:19	08/20/25 23:54	1
Phenol	<1.15		10.4	1.15	ug/L		08/19/25 10:19	08/20/25 23:54	1
Phorate	<3.33		10.4	3.33	ug/L		08/19/25 10:19	08/26/25 03:57	1
Pronamide	<2.81		10.4	2.81	ug/L		08/19/25 10:19	08/26/25 03:57	1
Pyrene	<0.823		10.4	0.823	ug/L		08/19/25 10:19	08/20/25 23:54	1
Safrole	<2.92	*1	10.4	2.92	ug/L		08/19/25 10:19	08/26/25 03:57	1
Thionazin	<3.65	*1	10.4	3.65	ug/L		08/19/25 10:19	08/26/25 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*63*		*21 - 110*	*08/19/25 10:19*	*08/20/25 23:54*	*1*
Phenol-d5 (Surr)	*54*		*21 - 110*	*08/19/25 10:19*	*08/20/25 23:54*	*1*
Nitrobenzene-d5 (Surr)	*73*		*39 - 140*	*08/19/25 10:19*	*08/20/25 23:54*	*1*
2-Fluorobiphenyl (Surr)	*68*		*33 - 126*	*08/19/25 10:19*	*08/20/25 23:54*	*1*
2,4,6-Tribromophenol (Surr)	*92*		*20 - 144*	*08/19/25 10:19*	*08/20/25 23:54*	*1*
Terphenyl-d14 (Surr)	*96*		*13 - 150*	*08/19/25 10:19*	*08/26/25 03:57*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/19/25 23:25	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/19/25 23:25	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0227		0.0907	0.0227	ug/L		08/19/25 10:02	08/22/25 16:44	1
4,4'-DDE	<0.0272		0.0907	0.0272	ug/L		08/19/25 10:02	08/22/25 16:44	1
4,4'-DDT	<0.0181		0.0907	0.0181	ug/L		08/19/25 10:02	08/22/25 16:44	1
Aldrin	<0.0199		0.0907	0.0199	ug/L		08/19/25 10:02	08/22/25 16:44	1

Client Sample ID: VP-4_25_08
Lab Sample ID: 310-313508-15
Date Collected: 08/13/25 16:45
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00907		0.0907	0.00907	ug/L		08/19/25 10:02	08/22/25 16:44	1
beta-BHC	<0.0381		0.0907	0.0381	ug/L		08/19/25 10:02	08/22/25 16:44	1
Chlordane (technical)	<0.354		1.81	0.354	ug/L		08/19/25 10:02	08/22/25 16:44	1
delta-BHC	<0.0290		0.0907	0.0290	ug/L		08/19/25 10:02	08/22/25 16:44	1
Dieldrin	<0.0190		0.0907	0.0190	ug/L		08/19/25 10:02	08/22/25 16:44	1
Endosulfan I	<0.0254		0.0907	0.0254	ug/L		08/19/25 10:02	08/22/25 16:44	1
Endosulfan II	<0.0236		0.0907	0.0236	ug/L		08/19/25 10:02	08/22/25 16:44	1
Endosulfan sulfate	<0.0163		0.0907	0.0163	ug/L		08/19/25 10:02	08/22/25 16:44	1
Endrin	<0.0254		0.0907	0.0254	ug/L		08/19/25 10:02	08/22/25 16:44	1
Endrin aldehyde	<0.0245		0.0907	0.0245	ug/L		08/19/25 10:02	08/22/25 16:44	1
gamma-BHC (Lindane)	<0.00907		0.0907	0.00907	ug/L		08/19/25 10:02	08/22/25 16:44	1
Heptachlor	<0.0209		0.0907	0.0209	ug/L		08/19/25 10:02	08/22/25 16:44	1
Heptachlor epoxide	<0.0290		0.0907	0.0290	ug/L		08/19/25 10:02	08/22/25 16:44	1
Methoxychlor	<0.0290		0.0907	0.0290	ug/L		08/19/25 10:02	08/22/25 16:44	1
Toxaphene	<0.907		1.81	0.907	ug/L		08/19/25 10:02	08/22/25 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*56*		*10 - 150*	*08/19/25 10:02*	*08/22/25 16:44*	*1*
Tetrachloro-m-xylene	*63*		*17 - 150*	*08/19/25 10:02*	*08/22/25 16:44*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.744		1.81	0.744	ug/L		08/19/25 10:02	08/22/25 16:44	1
PCB-1221	<0.744		1.81	0.744	ug/L		08/19/25 10:02	08/22/25 16:44	1
PCB-1232	<0.744		1.81	0.744	ug/L		08/19/25 10:02	08/22/25 16:44	1
PCB-1242	<0.744		1.81	0.744	ug/L		08/19/25 10:02	08/22/25 16:44	1
PCB-1248	<0.626		1.81	0.626	ug/L		08/19/25 10:02	08/22/25 16:44	1
PCB-1254	<0.626		1.81	0.626	ug/L		08/19/25 10:02	08/22/25 16:44	1
PCB-1260	<0.626		1.81	0.626	ug/L		08/19/25 10:02	08/22/25 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*57*		*10 - 150*	*08/19/25 10:02*	*08/22/25 16:44*	*1*
Tetrachloro-m-xylene	*64*		*17 - 150*	*08/19/25 10:02*	*08/22/25 16:44*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.142	*1	1.13	0.142	ug/L		08/20/25 07:38	08/20/25 22:50	1
Silvex (2,4,5-TP)	<0.119	*+	1.13	0.119	ug/L		08/20/25 07:38	08/20/25 22:50	1
2,4,5-T	<0.158	*+ *1	1.13	0.158	ug/L		08/20/25 07:38	08/20/25 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*85*		*25 - 130*	*08/20/25 07:38*	*08/20/25 22:50*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/27/25 11:56	1
Arsenic	**0.00306**		0.00200	0.000530	mg/L		08/20/25 09:00	08/27/25 11:56	1
Barium	**0.0655**		0.00200	0.000660	mg/L		08/20/25 09:00	08/27/25 11:56	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/27/25 11:56	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/27/25 11:56	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/27/25 11:56	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: VP-4_25_08
Lab Sample ID: 310-313508-15
Date Collected: 08/13/25 16:45
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/20/25 09:00	08/27/25 11:56	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/27/25 11:56	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/27/25 11:56	1
Nickel	<0.00230		0.00500	0.00230	mg/L		08/20/25 09:00	08/27/25 11:56	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/27/25 11:56	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/27/25 11:56	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/20/25 09:00	08/27/25 11:56	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/27/25 11:56	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/27/25 11:56	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/20/25 09:00	08/27/25 11:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 09:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/19/25 09:19	08/19/25 22:52	1
Sulfide (SW846 9034)	**0.442**	**J**	1.00	0.231	mg/L		08/20/25 16:27	08/20/25 16:59	1
Total Suspended Solids (USGS I-3765-85)	**4.60**		3.00	2.10	mg/L			08/19/25 10:41	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-101A_25_08
Lab Sample ID: 310-313508-16
Date Collected: 08/15/25 12:30
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 13:47	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 13:47	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 13:47	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 13:47	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/19/25 13:47	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 13:47	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 13:47	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 13:47	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 13:47	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 13:47	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 13:47	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/19/25 13:47	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 13:47	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 13:47	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 13:47	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 13:47	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/19/25 13:47	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 13:47	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 13:47	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 13:47	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 13:47	1
Acetone	<3.10		10.0	3.10	ug/L			08/19/25 13:47	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 13:47	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 13:47	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 13:47	1
Benzene	<0.220		0.500	0.220	ug/L			08/19/25 13:47	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 13:47	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 13:47	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 13:47	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 13:47	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 13:47	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 13:47	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/19/25 13:47	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 13:47	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 13:47	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 13:47	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 13:47	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 13:47	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/19/25 13:47	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 13:47	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 13:47	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 13:47	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 13:47	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 13:47	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 13:47	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 13:47	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 13:47	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 13:47	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 13:47	1

Client Sample ID: MW-101A_25_08
Lab Sample ID: 310-313508-16
Date Collected: 08/15/25 12:30
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 13:47	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 13:47	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 13:47	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 13:47	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 13:47	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 13:47	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 13:47	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 13:47	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 13:47	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 13:47	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 13:47	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 13:47	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 13:47	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*76 - 130*		*08/19/25 13:47*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*08/19/25 13:47*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/19/25 13:47*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.529		9.80	0.529	ug/L		08/21/25 14:08	08/28/25 21:26	1
1,3,5-Trinitrobenzene	<2.25		9.80	2.25	ug/L		08/21/25 14:08	08/28/25 21:26	1
1,3-Dinitrobenzene	<3.14		9.80	3.14	ug/L		08/21/25 14:08	08/28/25 21:26	1
1,4-Naphthoquinone	<3.53		9.80	3.53	ug/L		08/21/25 14:08	08/28/25 21:26	1
1,4-phenylenediamine	<1.86	*- *1	9.80	1.86	ug/L		08/21/25 14:08	08/28/25 21:26	1
1-Naphthylamine	<2.45		9.80	2.45	ug/L		08/21/25 14:08	08/28/25 21:26	1
2,3,4,6-Tetrachlorophenol	<5.20		9.80	5.20	ug/L		08/21/25 14:08	08/28/25 21:26	1
2,4,5-Trichlorophenol	<5.20		9.80	5.20	ug/L		08/21/25 14:08	08/28/25 21:26	1
2,4,6-Trichlorophenol	<4.90		9.80	4.90	ug/L		08/21/25 14:08	08/28/25 21:26	1
2,4-Dichlorophenol	<0.833		9.80	0.833	ug/L		08/21/25 14:08	08/28/25 21:26	1
2,4-Dimethylphenol	<0.569		9.80	0.569	ug/L		08/21/25 14:08	08/28/25 21:26	1
2,4-Dinitrophenol	<12.7		19.6	12.7	ug/L		08/21/25 14:08	08/28/25 21:26	1
2,4-Dinitrotoluene	<6.27		9.80	6.27	ug/L		08/21/25 14:08	08/28/25 21:26	1
2,6-Dichlorophenol	<0.676		9.80	0.676	ug/L		08/21/25 14:08	08/28/25 21:26	1
2,6-Dinitrotoluene	<0.510		9.80	0.510	ug/L		08/21/25 14:08	08/28/25 21:26	1
2-Acetylaminofluorene	<2.65		9.80	2.65	ug/L		08/21/25 14:08	08/28/25 21:26	1
2-Chloronaphthalene	<0.627		9.80	0.627	ug/L		08/21/25 14:08	08/28/25 21:26	1
2-Chlorophenol	<0.529		9.80	0.529	ug/L		08/21/25 14:08	08/28/25 21:26	1
2-Methylnaphthalene	<0.578		9.80	0.578	ug/L		08/21/25 14:08	08/28/25 21:26	1
2-Methylphenol	<0.637		9.80	0.637	ug/L		08/21/25 14:08	08/28/25 21:26	1
2-Naphthylamine	<2.06		9.80	2.06	ug/L		08/21/25 14:08	08/28/25 21:26	1
2-Nitroaniline	<5.78		9.80	5.78	ug/L		08/21/25 14:08	08/28/25 21:26	1
2-Nitrophenol	<6.67		9.80	6.67	ug/L		08/21/25 14:08	08/28/25 21:26	1
3,3'-Dichlorobenzidine	<1.37		9.80	1.37	ug/L		08/21/25 14:08	08/28/25 21:26	1
3,3'-Dimethylbenzidine	<1.47		9.80	1.47	ug/L		08/21/25 14:08	08/28/25 21:26	1
3-Methylcholanthrene	<0.314		9.80	0.314	ug/L		08/21/25 14:08	08/28/25 21:26	1
3-Nitroaniline	<2.65		9.80	2.65	ug/L		08/21/25 14:08	08/28/25 21:26	1
4,6-Dinitro-2-methylphenol	<6.76		9.80	6.76	ug/L		08/21/25 14:08	08/28/25 21:26	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-101A_25_08
Lab Sample ID: 310-313508-16
Date Collected: 08/15/25 12:30
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.16		9.80	2.16	ug/L		08/21/25 14:08	08/28/25 21:26	1
4-Bromophenyl phenyl ether	<0.686		9.80	0.686	ug/L		08/21/25 14:08	08/28/25 21:26	1
4-Chloro-3-methylphenol	<0.824		9.80	0.824	ug/L		08/21/25 14:08	08/28/25 21:26	1
4-Chloroaniline	<0.608		9.80	0.608	ug/L		08/21/25 14:08	08/28/25 21:26	1
4-Chlorophenyl phenyl ether	<0.676		9.80	0.676	ug/L		08/21/25 14:08	08/28/25 21:26	1
Methylphenol, 3 & 4	<0.686		9.80	0.686	ug/L		08/21/25 14:08	08/28/25 21:26	1
4-Nitroaniline	<1.27		9.80	1.27	ug/L		08/21/25 14:08	08/28/25 21:26	1
4-Nitrophenol	<7.45		9.80	7.45	ug/L		08/21/25 14:08	08/28/25 21:26	1
5-Nitro-o-toluidine	<2.75		9.80	2.75	ug/L		08/21/25 14:08	08/28/25 21:26	1
7,12-Dimethylbenz(a)anthracene	<1.86		9.80	1.86	ug/L		08/21/25 14:08	08/28/25 21:26	1
Acenaphthene	<0.627		9.80	0.627	ug/L		08/21/25 14:08	08/28/25 21:26	1
Acenaphthylene	<0.706		9.80	0.706	ug/L		08/21/25 14:08	08/28/25 21:26	1
Acetophenone	<0.676		9.80	0.676	ug/L		08/21/25 14:08	08/28/25 21:26	1
Anthracene	<0.853		9.80	0.853	ug/L		08/21/25 14:08	08/28/25 21:26	1
Benzo[a]anthracene	<0.833		9.80	0.833	ug/L		08/21/25 14:08	08/28/25 21:26	1
Benzo[a]pyrene	<7.94		9.80	7.94	ug/L		08/21/25 14:08	08/28/25 21:26	1
Benzo[b]fluoranthene	<4.80		9.80	4.80	ug/L		08/21/25 14:08	08/28/25 21:26	1
Benzo[g,h,i]perylene	<6.18		9.80	6.18	ug/L		08/21/25 14:08	08/28/25 21:26	1
Benzo[k]fluoranthene	<2.16		9.80	2.16	ug/L		08/21/25 14:08	08/28/25 21:26	1
Benzyl alcohol	<1.27		9.80	1.27	ug/L		08/21/25 14:08	08/28/25 21:26	1
Bis(2-chloroethoxy)methane	<0.745		9.80	0.745	ug/L		08/21/25 14:08	08/28/25 21:26	1
Bis(2-chloroethyl)ether	<0.804		9.80	0.804	ug/L		08/21/25 14:08	08/28/25 21:26	1
2,2'-oxybis[1-chloropropane]	<0.529		9.80	0.529	ug/L		08/21/25 14:08	08/28/25 21:26	1
Bis(2-ethylhexyl) phthalate	<5.39		9.80	5.39	ug/L		08/21/25 14:08	08/28/25 21:26	1
Butyl benzyl phthalate	<5.29		9.80	5.29	ug/L		08/21/25 14:08	08/28/25 21:26	1
Chlorobenzilate	<3.53		9.80	3.53	ug/L		08/21/25 14:08	08/28/25 21:26	1
Chrysene	<0.853		9.80	0.853	ug/L		08/21/25 14:08	08/28/25 21:26	1
Diallate	<3.92		9.80	3.92	ug/L		08/21/25 14:08	08/28/25 21:26	1
Dibenzo(a,h)anthracene	<3.82		9.80	3.82	ug/L		08/21/25 14:08	08/28/25 21:26	1
Dibenzofuran	<0.725		9.80	0.725	ug/L		08/21/25 14:08	08/28/25 21:26	1
Diethyl phthalate	<1.67		9.80	1.67	ug/L		08/21/25 14:08	08/28/25 21:26	1
Dimethoate	<3.53	*+	9.80	3.53	ug/L		08/21/25 14:08	08/28/25 21:26	1
Dimethyl phthalate	<0.980		9.80	0.980	ug/L		08/21/25 14:08	08/28/25 21:26	1
Di-n-butyl phthalate	<5.49		9.80	5.49	ug/L		08/21/25 14:08	08/28/25 21:26	1
Di-n-octyl phthalate	<6.86		19.6	6.86	ug/L		08/21/25 14:08	08/28/25 21:26	1
Dinoseb	<2.35		9.80	2.35	ug/L		08/21/25 14:08	08/28/25 21:26	1
Diphenylamine	<5.88		9.80	5.88	ug/L		08/21/25 14:08	08/28/25 21:26	1
Disulfoton	<2.35	*1	9.80	2.35	ug/L		08/21/25 14:08	08/28/25 21:26	1
Ethyl methanesulfonate	<3.53		9.80	3.53	ug/L		08/21/25 14:08	08/28/25 21:26	1
Ethyl Parathion	<2.16		9.80	2.16	ug/L		08/21/25 14:08	08/28/25 21:26	1
Famphur	<3.73	*+	9.80	3.73	ug/L		08/21/25 14:08	08/28/25 21:26	1
Fluoranthene	<1.67		9.80	1.67	ug/L		08/21/25 14:08	08/28/25 21:26	1
Fluorene	<0.775		9.80	0.775	ug/L		08/21/25 14:08	08/28/25 21:26	1
Hexachlorobenzene	<0.686		9.80	0.686	ug/L		08/21/25 14:08	08/28/25 21:26	1
Hexachlorobutadiene	<0.843		9.80	0.843	ug/L		08/21/25 14:08	08/28/25 21:26	1
Hexachlorocyclopentadiene	<5.00		9.80	5.00	ug/L		08/21/25 14:08	08/28/25 21:26	1
Hexachloroethane	<0.951		9.80	0.951	ug/L		08/21/25 14:08	08/28/25 21:26	1
Hexachloropropene	<2.55		9.80	2.55	ug/L		08/21/25 14:08	08/28/25 21:26	1
Indeno[1,2,3-cd]pyrene	<4.12		9.80	4.12	ug/L		08/21/25 14:08	08/28/25 21:26	1

Client Sample ID: MW-101A_25_08
Lab Sample ID: 310-313508-16
Date Collected: 08/15/25 12:30
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.61		9.80	4.61	ug/L		08/21/25 14:08	08/28/25 21:26	1
Isophorone	<0.912		9.80	0.912	ug/L		08/21/25 14:08	08/28/25 21:26	1
Isosafrole	<2.25		9.80	2.25	ug/L		08/21/25 14:08	08/28/25 21:26	1
Kepone	<0.980	*+	9.80	0.980	ug/L		08/21/25 14:08	08/28/25 21:26	1
Methapyrilene	<0.745	*- *1	9.80	0.745	ug/L		08/21/25 14:08	08/28/25 21:26	1
Methyl methanesulfonate	<3.24		9.80	3.24	ug/L		08/21/25 14:08	08/28/25 21:26	1
Methyl parathion	<2.25		9.80	2.25	ug/L		08/21/25 14:08	08/28/25 21:26	1
Nitrobenzene	<0.784		9.80	0.784	ug/L		08/21/25 14:08	08/28/25 21:26	1
N-Nitrosodiethylamine	<3.33		9.80	3.33	ug/L		08/21/25 14:08	08/28/25 21:26	1
N-Nitrosodimethylamine	<0.706		9.80	0.706	ug/L		08/21/25 14:08	08/28/25 21:26	1
N-Nitrosodi-n-butylamine	<3.82		9.80	3.82	ug/L		08/21/25 14:08	08/28/25 21:26	1
N-Nitrosodi-n-propylamine	<0.902		9.80	0.902	ug/L		08/21/25 14:08	08/28/25 21:26	1
N-Nitrosodiphenylamine	<0.735		9.80	0.735	ug/L		08/21/25 14:08	08/28/25 21:26	1
N-Nitrosomethylethylamine	<4.80		9.80	4.80	ug/L		08/21/25 14:08	08/28/25 21:26	1
N-Nitrosopiperidine	<2.65		9.80	2.65	ug/L		08/21/25 14:08	08/28/25 21:26	1
N-Nitrosopyrrolidine	<3.53		9.80	3.53	ug/L		08/21/25 14:08	08/28/25 21:26	1
o,o',o''-Triethylphosphorothioate	<3.14		9.80	3.14	ug/L		08/21/25 14:08	08/28/25 21:26	1
o-Toluidine	<2.84		9.80	2.84	ug/L		08/21/25 14:08	08/28/25 21:26	1
p-Dimethylamino azobenzene	<2.16		9.80	2.16	ug/L		08/21/25 14:08	08/28/25 21:26	1
Pentachlorobenzene	<2.75		9.80	2.75	ug/L		08/21/25 14:08	08/28/25 21:26	1
Pentachloronitrobenzene	<5.69		9.80	5.69	ug/L		08/21/25 14:08	08/28/25 21:26	1
Pentachlorophenol	<9.41		9.80	9.41	ug/L		08/21/25 14:08	08/28/25 21:26	1
Phenacetin	<1.86		9.80	1.86	ug/L		08/21/25 14:08	08/28/25 21:26	1
Phenanthrene	<0.775		9.80	0.775	ug/L		08/21/25 14:08	08/28/25 21:26	1
Phenol	<1.08		9.80	1.08	ug/L		08/21/25 14:08	08/28/25 21:26	1
Phorate	<3.14		9.80	3.14	ug/L		08/21/25 14:08	08/28/25 21:26	1
Pronamide	<2.65		9.80	2.65	ug/L		08/21/25 14:08	08/28/25 21:26	1
Pyrene	<0.775		9.80	0.775	ug/L		08/21/25 14:08	08/28/25 21:26	1
Safrole	<2.75		9.80	2.75	ug/L		08/21/25 14:08	08/28/25 21:26	1
Thionazin	<3.43		9.80	3.43	ug/L		08/21/25 14:08	08/28/25 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*59*		*21 - 110*	*08/21/25 14:08*	*08/28/25 21:26*	*1*
Phenol-d5 (Surr)	*48*		*21 - 110*	*08/21/25 14:08*	*08/28/25 21:26*	*1*
Nitrobenzene-d5 (Surr)	*81*		*39 - 140*	*08/21/25 14:08*	*08/28/25 21:26*	*1*
2-Fluorobiphenyl (Surr)	*74*		*33 - 126*	*08/21/25 14:08*	*08/28/25 21:26*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*20 - 144*	*08/21/25 14:08*	*08/28/25 21:26*	*1*
Terphenyl-d14 (Surr)	*114*		*13 - 150*	*08/21/25 14:08*	*08/28/25 21:26*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/19/25 23:44	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/19/25 23:44	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0226		0.0902	0.0226	ug/L		08/19/25 10:02	08/22/25 16:57	1
4,4'-DDE	<0.0271		0.0902	0.0271	ug/L		08/19/25 10:02	08/22/25 16:57	1
4,4'-DDT	<0.0180		0.0902	0.0180	ug/L		08/19/25 10:02	08/22/25 16:57	1
Aldrin	<0.0198		0.0902	0.0198	ug/L		08/19/25 10:02	08/22/25 16:57	1

Client Sample ID: MW-101A_25_08
Lab Sample ID: 310-313508-16
Date Collected: 08/15/25 12:30
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00902		0.0902	0.00902	ug/L		08/19/25 10:02	08/22/25 16:57	1
beta-BHC	<0.0379		0.0902	0.0379	ug/L		08/19/25 10:02	08/22/25 16:57	1
Chlordane (technical)	<0.352		1.80	0.352	ug/L		08/19/25 10:02	08/22/25 16:57	1
delta-BHC	<0.0289		0.0902	0.0289	ug/L		08/19/25 10:02	08/22/25 16:57	1
Dieldrin	<0.0189		0.0902	0.0189	ug/L		08/19/25 10:02	08/22/25 16:57	1
Endosulfan I	<0.0253		0.0902	0.0253	ug/L		08/19/25 10:02	08/22/25 16:57	1
Endosulfan II	<0.0235		0.0902	0.0235	ug/L		08/19/25 10:02	08/22/25 16:57	1
Endosulfan sulfate	<0.0162		0.0902	0.0162	ug/L		08/19/25 10:02	08/22/25 16:57	1
Endrin	<0.0253		0.0902	0.0253	ug/L		08/19/25 10:02	08/22/25 16:57	1
Endrin aldehyde	<0.0244		0.0902	0.0244	ug/L		08/19/25 10:02	08/22/25 16:57	1
gamma-BHC (Lindane)	<0.00902		0.0902	0.00902	ug/L		08/19/25 10:02	08/22/25 16:57	1
Heptachlor	<0.0207		0.0902	0.0207	ug/L		08/19/25 10:02	08/22/25 16:57	1
Heptachlor epoxide	<0.0289		0.0902	0.0289	ug/L		08/19/25 10:02	08/22/25 16:57	1
Methoxychlor	<0.0289		0.0902	0.0289	ug/L		08/19/25 10:02	08/22/25 16:57	1
Toxaphene	<0.902		1.80	0.902	ug/L		08/19/25 10:02	08/22/25 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*61*		*10 - 150*	*08/19/25 10:02*	*08/22/25 16:57*	*1*
Tetrachloro-m-xylene	*69*		*17 - 150*	*08/19/25 10:02*	*08/22/25 16:57*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.740		1.80	0.740	ug/L		08/19/25 10:02	08/22/25 16:57	1
PCB-1221	<0.740		1.80	0.740	ug/L		08/19/25 10:02	08/22/25 16:57	1
PCB-1232	<0.740		1.80	0.740	ug/L		08/19/25 10:02	08/22/25 16:57	1
PCB-1242	<0.740		1.80	0.740	ug/L		08/19/25 10:02	08/22/25 16:57	1
PCB-1248	<0.622		1.80	0.622	ug/L		08/19/25 10:02	08/22/25 16:57	1
PCB-1254	<0.622		1.80	0.622	ug/L		08/19/25 10:02	08/22/25 16:57	1
PCB-1260	<0.622		1.80	0.622	ug/L		08/19/25 10:02	08/22/25 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*62*		*10 - 150*	*08/19/25 10:02*	*08/22/25 16:57*	*1*
Tetrachloro-m-xylene	*71*		*17 - 150*	*08/19/25 10:02*	*08/22/25 16:57*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.129	*1	1.02	0.129	ug/L		08/20/25 07:38	08/20/25 23:08	1
Silvex (2,4,5-TP)	<0.107	*+	1.02	0.107	ug/L		08/20/25 07:38	08/20/25 23:08	1
2,4,5-T	<0.143	*+ *1	1.02	0.143	ug/L		08/20/25 07:38	08/20/25 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*104*		*25 - 130*	*08/20/25 07:38*	*08/20/25 23:08*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/27/25 11:59	1
Arsenic	**0.000767**	**J**	0.00200	0.000530	mg/L		08/20/25 09:00	08/27/25 11:59	1
Barium	**0.122**		0.00200	0.000660	mg/L		08/20/25 09:00	08/27/25 11:59	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/27/25 11:59	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/27/25 11:59	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/27/25 11:59	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-101A_25_08
Lab Sample ID: 310-313508-16

Date Collected: 08/15/25 12:30
Matrix: Water

Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.000349**	**J**	0.000500	0.000170	mg/L		08/20/25 09:00	08/27/25 11:59	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/27/25 11:59	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/27/25 11:59	1
Nickel	<0.00230		0.00500	0.00230	mg/L		08/20/25 09:00	08/27/25 11:59	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/27/25 11:59	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/27/25 11:59	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/20/25 09:00	08/27/25 11:59	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/27/25 11:59	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/27/25 11:59	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/20/25 09:00	08/27/25 11:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/19/25 09:19	08/19/25 22:52	1
Sulfide (SW846 9034)	**0.363**	**J**	1.00	0.231	mg/L		08/21/25 14:30	08/21/25 16:10	1
Total Suspended Solids (USGS I-3765-85)	<1.31		1.88	1.31	mg/L			08/19/25 13:42	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-101B_25_08
Lab Sample ID: 310-313508-17
Date Collected: 08/15/25 11:45
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 14:09	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 14:09	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 14:09	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 14:09	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/19/25 14:09	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 14:09	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 14:09	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 14:09	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 14:09	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 14:09	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 14:09	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/19/25 14:09	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 14:09	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 14:09	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 14:09	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 14:09	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/19/25 14:09	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 14:09	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 14:09	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 14:09	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 14:09	1
Acetone	<3.10		10.0	3.10	ug/L			08/19/25 14:09	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 14:09	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 14:09	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 14:09	1
Benzene	<0.220		0.500	0.220	ug/L			08/19/25 14:09	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 14:09	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 14:09	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 14:09	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 14:09	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 14:09	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 14:09	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/19/25 14:09	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 14:09	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 14:09	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 14:09	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 14:09	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 14:09	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/19/25 14:09	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 14:09	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 14:09	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 14:09	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 14:09	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 14:09	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 14:09	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 14:09	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 14:09	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 14:09	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 14:09	1

Client Sample ID: MW-101B_25_08
Lab Sample ID: 310-313508-17
Date Collected: 08/15/25 11:45
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 14:09	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 14:09	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 14:09	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 14:09	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 14:09	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 14:09	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 14:09	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 14:09	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 14:09	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 14:09	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 14:09	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 14:09	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 14:09	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*119*		*76 - 130*		*08/19/25 14:09*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/19/25 14:09*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/19/25 14:09*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.529		9.80	0.529	ug/L		08/21/25 14:08	08/28/25 21:52	1
1,3,5-Trinitrobenzene	<2.25		9.80	2.25	ug/L		08/21/25 14:08	08/28/25 21:52	1
1,3-Dinitrobenzene	<3.14		9.80	3.14	ug/L		08/21/25 14:08	08/28/25 21:52	1
1,4-Naphthoquinone	<3.53		9.80	3.53	ug/L		08/21/25 14:08	08/28/25 21:52	1
1,4-phenylenediamine	<1.86	*- *1	9.80	1.86	ug/L		08/21/25 14:08	08/28/25 21:52	1
1-Naphthylamine	<2.45		9.80	2.45	ug/L		08/21/25 14:08	08/28/25 21:52	1
2,3,4,6-Tetrachlorophenol	<5.20		9.80	5.20	ug/L		08/21/25 14:08	08/28/25 21:52	1
2,4,5-Trichlorophenol	<5.20		9.80	5.20	ug/L		08/21/25 14:08	08/28/25 21:52	1
2,4,6-Trichlorophenol	<4.90		9.80	4.90	ug/L		08/21/25 14:08	08/28/25 21:52	1
2,4-Dichlorophenol	<0.833		9.80	0.833	ug/L		08/21/25 14:08	08/28/25 21:52	1
2,4-Dimethylphenol	<0.569		9.80	0.569	ug/L		08/21/25 14:08	08/28/25 21:52	1
2,4-Dinitrophenol	<12.7		19.6	12.7	ug/L		08/21/25 14:08	08/28/25 21:52	1
2,4-Dinitrotoluene	<6.27		9.80	6.27	ug/L		08/21/25 14:08	08/28/25 21:52	1
2,6-Dichlorophenol	<0.676		9.80	0.676	ug/L		08/21/25 14:08	08/28/25 21:52	1
2,6-Dinitrotoluene	<0.510		9.80	0.510	ug/L		08/21/25 14:08	08/28/25 21:52	1
2-Acetylaminofluorene	<2.65		9.80	2.65	ug/L		08/21/25 14:08	08/28/25 21:52	1
2-Chloronaphthalene	<0.627		9.80	0.627	ug/L		08/21/25 14:08	08/28/25 21:52	1
2-Chlorophenol	<0.529		9.80	0.529	ug/L		08/21/25 14:08	08/28/25 21:52	1
2-Methylnaphthalene	<0.578		9.80	0.578	ug/L		08/21/25 14:08	08/28/25 21:52	1
2-Methylphenol	<0.637		9.80	0.637	ug/L		08/21/25 14:08	08/28/25 21:52	1
2-Naphthylamine	<2.06		9.80	2.06	ug/L		08/21/25 14:08	08/28/25 21:52	1
2-Nitroaniline	<5.78		9.80	5.78	ug/L		08/21/25 14:08	08/28/25 21:52	1
2-Nitrophenol	<6.67		9.80	6.67	ug/L		08/21/25 14:08	08/28/25 21:52	1
3,3'-Dichlorobenzidine	<1.37		9.80	1.37	ug/L		08/21/25 14:08	08/28/25 21:52	1
3,3'-Dimethylbenzidine	<1.47		9.80	1.47	ug/L		08/21/25 14:08	08/28/25 21:52	1
3-Methylcholanthrene	<0.314		9.80	0.314	ug/L		08/21/25 14:08	08/28/25 21:52	1
3-Nitroaniline	<2.65		9.80	2.65	ug/L		08/21/25 14:08	08/28/25 21:52	1
4,6-Dinitro-2-methylphenol	<6.76		9.80	6.76	ug/L		08/21/25 14:08	08/28/25 21:52	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-101B_25_08
Lab Sample ID: 310-313508-17
Date Collected: 08/15/25 11:45
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.16		9.80	2.16	ug/L		08/21/25 14:08	08/28/25 21:52	1
4-Bromophenyl phenyl ether	<0.686		9.80	0.686	ug/L		08/21/25 14:08	08/28/25 21:52	1
4-Chloro-3-methylphenol	<0.824		9.80	0.824	ug/L		08/21/25 14:08	08/28/25 21:52	1
4-Chloroaniline	<0.608		9.80	0.608	ug/L		08/21/25 14:08	08/28/25 21:52	1
4-Chlorophenyl phenyl ether	<0.676		9.80	0.676	ug/L		08/21/25 14:08	08/28/25 21:52	1
Methylphenol, 3 & 4	<0.686		9.80	0.686	ug/L		08/21/25 14:08	08/28/25 21:52	1
4-Nitroaniline	<1.27		9.80	1.27	ug/L		08/21/25 14:08	08/28/25 21:52	1
4-Nitrophenol	<7.45		9.80	7.45	ug/L		08/21/25 14:08	08/28/25 21:52	1
5-Nitro-o-toluidine	<2.75		9.80	2.75	ug/L		08/21/25 14:08	08/28/25 21:52	1
7,12-Dimethylbenz(a)anthracene	<1.86		9.80	1.86	ug/L		08/21/25 14:08	08/28/25 21:52	1
Acenaphthene	<0.627		9.80	0.627	ug/L		08/21/25 14:08	08/28/25 21:52	1
Acenaphthylene	<0.706		9.80	0.706	ug/L		08/21/25 14:08	08/28/25 21:52	1
Acetophenone	<0.676		9.80	0.676	ug/L		08/21/25 14:08	08/28/25 21:52	1
Anthracene	<0.853		9.80	0.853	ug/L		08/21/25 14:08	08/28/25 21:52	1
Benzo[a]anthracene	<0.833		9.80	0.833	ug/L		08/21/25 14:08	08/28/25 21:52	1
Benzo[a]pyrene	<7.94		9.80	7.94	ug/L		08/21/25 14:08	08/28/25 21:52	1
Benzo[b]fluoranthene	<4.80		9.80	4.80	ug/L		08/21/25 14:08	08/28/25 21:52	1
Benzo[g,h,i]perylene	<6.18		9.80	6.18	ug/L		08/21/25 14:08	08/28/25 21:52	1
Benzo[k]fluoranthene	<2.16		9.80	2.16	ug/L		08/21/25 14:08	08/28/25 21:52	1
Benzyl alcohol	<1.27		9.80	1.27	ug/L		08/21/25 14:08	08/28/25 21:52	1
Bis(2-chloroethoxy)methane	<0.745		9.80	0.745	ug/L		08/21/25 14:08	08/28/25 21:52	1
Bis(2-chloroethyl)ether	<0.804		9.80	0.804	ug/L		08/21/25 14:08	08/28/25 21:52	1
2,2'-oxybis[1-chloropropane]	<0.529		9.80	0.529	ug/L		08/21/25 14:08	08/28/25 21:52	1
Bis(2-ethylhexyl) phthalate	<5.39		9.80	5.39	ug/L		08/21/25 14:08	08/28/25 21:52	1
Butyl benzyl phthalate	<5.29		9.80	5.29	ug/L		08/21/25 14:08	08/28/25 21:52	1
Chlorobenzilate	<3.53		9.80	3.53	ug/L		08/21/25 14:08	08/28/25 21:52	1
Chrysene	<0.853		9.80	0.853	ug/L		08/21/25 14:08	08/28/25 21:52	1
Diallate	<3.92		9.80	3.92	ug/L		08/21/25 14:08	08/28/25 21:52	1
Dibenzo(a,h)anthracene	<3.82		9.80	3.82	ug/L		08/21/25 14:08	08/28/25 21:52	1
Dibenzofuran	<0.725		9.80	0.725	ug/L		08/21/25 14:08	08/28/25 21:52	1
Diethyl phthalate	<1.67		9.80	1.67	ug/L		08/21/25 14:08	08/28/25 21:52	1
Dimethoate	<3.53	*+	9.80	3.53	ug/L		08/21/25 14:08	08/28/25 21:52	1
Dimethyl phthalate	<0.980		9.80	0.980	ug/L		08/21/25 14:08	08/28/25 21:52	1
Di-n-butyl phthalate	<5.49		9.80	5.49	ug/L		08/21/25 14:08	08/28/25 21:52	1
Di-n-octyl phthalate	<6.86		19.6	6.86	ug/L		08/21/25 14:08	08/28/25 21:52	1
Dinoseb	<2.35		9.80	2.35	ug/L		08/21/25 14:08	08/28/25 21:52	1
Diphenylamine	<5.88		9.80	5.88	ug/L		08/21/25 14:08	08/28/25 21:52	1
Disulfoton	<2.35	*1	9.80	2.35	ug/L		08/21/25 14:08	08/28/25 21:52	1
Ethyl methanesulfonate	<3.53		9.80	3.53	ug/L		08/21/25 14:08	08/28/25 21:52	1
Ethyl Parathion	<2.16		9.80	2.16	ug/L		08/21/25 14:08	08/28/25 21:52	1
Famphur	<3.73	*+	9.80	3.73	ug/L		08/21/25 14:08	08/28/25 21:52	1
Fluoranthene	<1.67		9.80	1.67	ug/L		08/21/25 14:08	08/28/25 21:52	1
Fluorene	<0.775		9.80	0.775	ug/L		08/21/25 14:08	08/28/25 21:52	1
Hexachlorobenzene	<0.686		9.80	0.686	ug/L		08/21/25 14:08	08/28/25 21:52	1
Hexachlorobutadiene	<0.843		9.80	0.843	ug/L		08/21/25 14:08	08/28/25 21:52	1
Hexachlorocyclopentadiene	<5.00		9.80	5.00	ug/L		08/21/25 14:08	08/28/25 21:52	1
Hexachloroethane	<0.951		9.80	0.951	ug/L		08/21/25 14:08	08/28/25 21:52	1
Hexachloropropene	<2.55		9.80	2.55	ug/L		08/21/25 14:08	08/28/25 21:52	1
Indeno[1,2,3-cd]pyrene	<4.12		9.80	4.12	ug/L		08/21/25 14:08	08/28/25 21:52	1

Client Sample ID: MW-101B_25_08
Lab Sample ID: 310-313508-17
Date Collected: 08/15/25 11:45
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.61		9.80	4.61	ug/L		08/21/25 14:08	08/28/25 21:52	1
Isophorone	<0.912		9.80	0.912	ug/L		08/21/25 14:08	08/28/25 21:52	1
Isosafrole	<2.25		9.80	2.25	ug/L		08/21/25 14:08	08/28/25 21:52	1
Kepone	<0.980	*+	9.80	0.980	ug/L		08/21/25 14:08	08/28/25 21:52	1
Methapyrilene	<0.745	*- *1	9.80	0.745	ug/L		08/21/25 14:08	08/28/25 21:52	1
Methyl methanesulfonate	<3.24		9.80	3.24	ug/L		08/21/25 14:08	08/28/25 21:52	1
Methyl parathion	<2.25		9.80	2.25	ug/L		08/21/25 14:08	08/28/25 21:52	1
Nitrobenzene	<0.784		9.80	0.784	ug/L		08/21/25 14:08	08/28/25 21:52	1
N-Nitrosodiethylamine	<3.33		9.80	3.33	ug/L		08/21/25 14:08	08/28/25 21:52	1
N-Nitrosodimethylamine	<0.706		9.80	0.706	ug/L		08/21/25 14:08	08/28/25 21:52	1
N-Nitrosodi-n-butylamine	<3.82		9.80	3.82	ug/L		08/21/25 14:08	08/28/25 21:52	1
N-Nitrosodi-n-propylamine	<0.902		9.80	0.902	ug/L		08/21/25 14:08	08/28/25 21:52	1
N-Nitrosodiphenylamine	<0.735		9.80	0.735	ug/L		08/21/25 14:08	08/28/25 21:52	1
N-Nitrosomethylethylamine	<4.80		9.80	4.80	ug/L		08/21/25 14:08	08/28/25 21:52	1
N-Nitrosopiperidine	<2.65		9.80	2.65	ug/L		08/21/25 14:08	08/28/25 21:52	1
N-Nitrosopyrrolidine	<3.53		9.80	3.53	ug/L		08/21/25 14:08	08/28/25 21:52	1
o,o',o''-Triethylphosphorothioate	<3.14		9.80	3.14	ug/L		08/21/25 14:08	08/28/25 21:52	1
o-Toluidine	<2.84		9.80	2.84	ug/L		08/21/25 14:08	08/28/25 21:52	1
p-Dimethylamino azobenzene	<2.16		9.80	2.16	ug/L		08/21/25 14:08	08/28/25 21:52	1
Pentachlorobenzene	<2.75		9.80	2.75	ug/L		08/21/25 14:08	08/28/25 21:52	1
Pentachloronitrobenzene	<5.69		9.80	5.69	ug/L		08/21/25 14:08	08/28/25 21:52	1
Pentachlorophenol	<9.41		9.80	9.41	ug/L		08/21/25 14:08	08/28/25 21:52	1
Phenacetin	<1.86		9.80	1.86	ug/L		08/21/25 14:08	08/28/25 21:52	1
Phenanthrene	<0.775		9.80	0.775	ug/L		08/21/25 14:08	08/28/25 21:52	1
Phenol	<1.08		9.80	1.08	ug/L		08/21/25 14:08	08/28/25 21:52	1
Phorate	<3.14		9.80	3.14	ug/L		08/21/25 14:08	08/28/25 21:52	1
Pronamide	<2.65		9.80	2.65	ug/L		08/21/25 14:08	08/28/25 21:52	1
Pyrene	<0.775		9.80	0.775	ug/L		08/21/25 14:08	08/28/25 21:52	1
Safrole	<2.75		9.80	2.75	ug/L		08/21/25 14:08	08/28/25 21:52	1
Thionazin	<3.43		9.80	3.43	ug/L		08/21/25 14:08	08/28/25 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*51*		*21 - 110*	*08/21/25 14:08*	*08/28/25 21:52*	*1*
Phenol-d5 (Surr)	*39*		*21 - 110*	*08/21/25 14:08*	*08/28/25 21:52*	*1*
Nitrobenzene-d5 (Surr)	*67*		*39 - 140*	*08/21/25 14:08*	*08/28/25 21:52*	*1*
2-Fluorobiphenyl (Surr)	*58*		*33 - 126*	*08/21/25 14:08*	*08/28/25 21:52*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*20 - 144*	*08/21/25 14:08*	*08/28/25 21:52*	*1*
Terphenyl-d14 (Surr)	*88*		*13 - 150*	*08/21/25 14:08*	*08/28/25 21:52*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/20/25 00:03	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/20/25 00:03	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0226		0.0902	0.0226	ug/L		08/19/25 10:02	08/22/25 17:10	1
4,4'-DDE	<0.0271		0.0902	0.0271	ug/L		08/19/25 10:02	08/22/25 17:10	1
4,4'-DDT	<0.0180		0.0902	0.0180	ug/L		08/19/25 10:02	08/22/25 17:10	1
Aldrin	<0.0198		0.0902	0.0198	ug/L		08/19/25 10:02	08/22/25 17:10	1

Client Sample ID: MW-101B_25_08
Lab Sample ID: 310-313508-17
Date Collected: 08/15/25 11:45
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00902		0.0902	0.00902	ug/L		08/19/25 10:02	08/22/25 17:10	1
beta-BHC	<0.0379		0.0902	0.0379	ug/L		08/19/25 10:02	08/22/25 17:10	1
Chlordane (technical)	<0.352		1.80	0.352	ug/L		08/19/25 10:02	08/22/25 17:10	1
delta-BHC	<0.0289		0.0902	0.0289	ug/L		08/19/25 10:02	08/22/25 17:10	1
Dieldrin	<0.0189		0.0902	0.0189	ug/L		08/19/25 10:02	08/22/25 17:10	1
Endosulfan I	<0.0253		0.0902	0.0253	ug/L		08/19/25 10:02	08/22/25 17:10	1
Endosulfan II	<0.0235		0.0902	0.0235	ug/L		08/19/25 10:02	08/22/25 17:10	1
Endosulfan sulfate	<0.0162		0.0902	0.0162	ug/L		08/19/25 10:02	08/22/25 17:10	1
Endrin	<0.0253		0.0902	0.0253	ug/L		08/19/25 10:02	08/22/25 17:10	1
Endrin aldehyde	<0.0244		0.0902	0.0244	ug/L		08/19/25 10:02	08/22/25 17:10	1
gamma-BHC (Lindane)	<0.00902		0.0902	0.00902	ug/L		08/19/25 10:02	08/22/25 17:10	1
Heptachlor	<0.0207		0.0902	0.0207	ug/L		08/19/25 10:02	08/22/25 17:10	1
Heptachlor epoxide	<0.0289		0.0902	0.0289	ug/L		08/19/25 10:02	08/22/25 17:10	1
Methoxychlor	<0.0289		0.0902	0.0289	ug/L		08/19/25 10:02	08/22/25 17:10	1
Toxaphene	<0.902		1.80	0.902	ug/L		08/19/25 10:02	08/22/25 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*64*		*10 - 150*	*08/19/25 10:02*	*08/22/25 17:10*	*1*
Tetrachloro-m-xylene	*73*		*17 - 150*	*08/19/25 10:02*	*08/22/25 17:10*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.740		1.80	0.740	ug/L		08/19/25 10:02	08/22/25 17:10	1
PCB-1221	<0.740		1.80	0.740	ug/L		08/19/25 10:02	08/22/25 17:10	1
PCB-1232	<0.740		1.80	0.740	ug/L		08/19/25 10:02	08/22/25 17:10	1
PCB-1242	<0.740		1.80	0.740	ug/L		08/19/25 10:02	08/22/25 17:10	1
PCB-1248	<0.622		1.80	0.622	ug/L		08/19/25 10:02	08/22/25 17:10	1
PCB-1254	<0.622		1.80	0.622	ug/L		08/19/25 10:02	08/22/25 17:10	1
PCB-1260	<0.622		1.80	0.622	ug/L		08/19/25 10:02	08/22/25 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*65*		*10 - 150*	*08/19/25 10:02*	*08/22/25 17:10*	*1*
Tetrachloro-m-xylene	*75*		*17 - 150*	*08/19/25 10:02*	*08/22/25 17:10*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.130	*1	1.03	0.130	ug/L		08/20/25 07:38	08/20/25 23:26	1
Silvex (2,4,5-TP)	<0.108	*+	1.03	0.108	ug/L		08/20/25 07:38	08/20/25 23:26	1
2,4,5-T	<0.144	*+ *1	1.03	0.144	ug/L		08/20/25 07:38	08/20/25 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*85*		*25 - 130*	*08/20/25 07:38*	*08/20/25 23:26*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/27/25 12:01	1
Arsenic	**0.000713**	**J**	0.00200	0.000530	mg/L		08/20/25 09:00	08/27/25 12:01	1
Barium	**0.118**		0.00200	0.000660	mg/L		08/20/25 09:00	08/27/25 12:01	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/27/25 12:01	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/27/25 12:01	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/27/25 12:01	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: MW-101B_25_08
Lab Sample ID: 310-313508-17

Date Collected: 08/15/25 11:45
Matrix: Water

Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.000180**	**J**	0.000500	0.000170	mg/L		08/20/25 09:00	08/27/25 12:01	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/27/25 12:01	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/27/25 12:01	1
Nickel	<0.00230		0.00500	0.00230	mg/L		08/20/25 09:00	08/27/25 12:01	1
Selenium	**0.00186**	**J**	0.00500	0.00140	mg/L		08/20/25 09:00	08/27/25 12:01	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/27/25 12:01	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/20/25 09:00	08/27/25 12:01	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/27/25 12:01	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/27/25 12:01	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/20/25 09:00	08/27/25 12:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 09:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/20/25 09:10	08/22/25 18:57	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/21/25 14:30	08/21/25 16:13	1
Total Suspended Solids (USGS I-3765-85)	<1.31		1.88	1.31	mg/L			08/20/25 11:34	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: FD-1_25_08
Lab Sample ID: 310-313508-18
Date Collected: 08/14/25 00:00
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 14:31	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 14:31	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 14:31	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 14:31	1
1,1-Dichloroethane	**1.89**		1.00	0.220	ug/L			08/19/25 14:31	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 14:31	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 14:31	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 14:31	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 14:31	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 14:31	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 14:31	1
1,2-Dichlorobenzene	**1.35**		1.00	0.370	ug/L			08/19/25 14:31	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 14:31	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 14:31	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 14:31	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 14:31	1
1,4-Dichlorobenzene	**10.0**		1.00	0.230	ug/L			08/19/25 14:31	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 14:31	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 14:31	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 14:31	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 14:31	1
Acetone	**4.84**	**J**	10.0	3.10	ug/L			08/19/25 14:31	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 14:31	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 14:31	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 14:31	1
Benzene	**0.712**		0.500	0.220	ug/L			08/19/25 14:31	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 14:31	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 14:31	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 14:31	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 14:31	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 14:31	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 14:31	1
Chlorobenzene	**2.05**		1.00	0.400	ug/L			08/19/25 14:31	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 14:31	1
Chloroethane	**2.22**	**J**	4.00	0.790	ug/L			08/19/25 14:31	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 14:31	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 14:31	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 14:31	1
cis-1,2-Dichloroethene	**0.668**	**J**	1.00	0.210	ug/L			08/19/25 14:31	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 14:31	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 14:31	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 14:31	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 14:31	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 14:31	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 14:31	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 14:31	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 14:31	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 14:31	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 14:31	1

Client Sample ID: FD-1_25_08
Lab Sample ID: 310-313508-18
Date Collected: 08/14/25 00:00
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 14:31	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 14:31	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 14:31	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 14:31	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 14:31	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 14:31	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 14:31	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 14:31	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 14:31	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 14:31	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 14:31	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 14:31	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 14:31	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*118*		*76 - 130*		*08/19/25 14:31*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*08/19/25 14:31*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/19/25 14:31*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.587		10.9	0.587	ug/L		08/21/25 14:08	08/28/25 22:19	1
1,3,5-Trinitrobenzene	<2.50		10.9	2.50	ug/L		08/21/25 14:08	08/28/25 22:19	1
1,3-Dinitrobenzene	<3.48		10.9	3.48	ug/L		08/21/25 14:08	08/28/25 22:19	1
1,4-Naphthoquinone	<3.91		10.9	3.91	ug/L		08/21/25 14:08	08/28/25 22:19	1
1,4-phenylenediamine	<2.07	*- *1	10.9	2.07	ug/L		08/21/25 14:08	08/28/25 22:19	1
1-Naphthylamine	<2.72		10.9	2.72	ug/L		08/21/25 14:08	08/28/25 22:19	1
2,3,4,6-Tetrachlorophenol	<5.76		10.9	5.76	ug/L		08/21/25 14:08	08/28/25 22:19	1
2,4,5-Trichlorophenol	<5.76		10.9	5.76	ug/L		08/21/25 14:08	08/28/25 22:19	1
2,4,6-Trichlorophenol	<5.43		10.9	5.43	ug/L		08/21/25 14:08	08/28/25 22:19	1
2,4-Dichlorophenol	<0.924		10.9	0.924	ug/L		08/21/25 14:08	08/28/25 22:19	1
2,4-Dimethylphenol	<0.630		10.9	0.630	ug/L		08/21/25 14:08	08/28/25 22:19	1
2,4-Dinitrophenol	<14.1		21.7	14.1	ug/L		08/21/25 14:08	08/28/25 22:19	1
2,4-Dinitrotoluene	<6.96		10.9	6.96	ug/L		08/21/25 14:08	08/28/25 22:19	1
2,6-Dichlorophenol	<0.750		10.9	0.750	ug/L		08/21/25 14:08	08/28/25 22:19	1
2,6-Dinitrotoluene	<0.565		10.9	0.565	ug/L		08/21/25 14:08	08/28/25 22:19	1
2-Acetylaminofluorene	<2.93		10.9	2.93	ug/L		08/21/25 14:08	08/28/25 22:19	1
2-Chloronaphthalene	<0.696		10.9	0.696	ug/L		08/21/25 14:08	08/28/25 22:19	1
2-Chlorophenol	<0.587		10.9	0.587	ug/L		08/21/25 14:08	08/28/25 22:19	1
2-Methylnaphthalene	<0.641		10.9	0.641	ug/L		08/21/25 14:08	08/28/25 22:19	1
2-Methylphenol	<0.707		10.9	0.707	ug/L		08/21/25 14:08	08/28/25 22:19	1
2-Naphthylamine	<2.28		10.9	2.28	ug/L		08/21/25 14:08	08/28/25 22:19	1
2-Nitroaniline	<6.41		10.9	6.41	ug/L		08/21/25 14:08	08/28/25 22:19	1
2-Nitrophenol	<7.39		10.9	7.39	ug/L		08/21/25 14:08	08/28/25 22:19	1
3,3'-Dichlorobenzidine	<1.52		10.9	1.52	ug/L		08/21/25 14:08	08/28/25 22:19	1
3,3'-Dimethylbenzidine	<1.63		10.9	1.63	ug/L		08/21/25 14:08	08/28/25 22:19	1
3-Methylcholanthrene	<0.348		10.9	0.348	ug/L		08/21/25 14:08	08/28/25 22:19	1
3-Nitroaniline	<2.93		10.9	2.93	ug/L		08/21/25 14:08	08/28/25 22:19	1
4,6-Dinitro-2-methylphenol	<7.50		10.9	7.50	ug/L		08/21/25 14:08	08/28/25 22:19	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: FD-1_25_08
Lab Sample ID: 310-313508-18
Date Collected: 08/14/25 00:00
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.39		10.9	2.39	ug/L		08/21/25 14:08	08/28/25 22:19	1
4-Bromophenyl phenyl ether	<0.761		10.9	0.761	ug/L		08/21/25 14:08	08/28/25 22:19	1
4-Chloro-3-methylphenol	<0.913		10.9	0.913	ug/L		08/21/25 14:08	08/28/25 22:19	1
4-Chloroaniline	<0.674		10.9	0.674	ug/L		08/21/25 14:08	08/28/25 22:19	1
4-Chlorophenyl phenyl ether	<0.750		10.9	0.750	ug/L		08/21/25 14:08	08/28/25 22:19	1
Methylphenol, 3 & 4	<0.761		10.9	0.761	ug/L		08/21/25 14:08	08/28/25 22:19	1
4-Nitroaniline	<1.41		10.9	1.41	ug/L		08/21/25 14:08	08/28/25 22:19	1
4-Nitrophenol	<8.26		10.9	8.26	ug/L		08/21/25 14:08	08/28/25 22:19	1
5-Nitro-o-toluidine	<3.04		10.9	3.04	ug/L		08/21/25 14:08	08/28/25 22:19	1
7,12-Dimethylbenz(a)anthracene	<2.07		10.9	2.07	ug/L		08/21/25 14:08	08/28/25 22:19	1
Acenaphthene	<0.696		10.9	0.696	ug/L		08/21/25 14:08	08/28/25 22:19	1
Acenaphthylene	<0.783		10.9	0.783	ug/L		08/21/25 14:08	08/28/25 22:19	1
Acetophenone	<0.750		10.9	0.750	ug/L		08/21/25 14:08	08/28/25 22:19	1
Anthracene	<0.946		10.9	0.946	ug/L		08/21/25 14:08	08/28/25 22:19	1
Benzo[a]anthracene	<0.924		10.9	0.924	ug/L		08/21/25 14:08	08/28/25 22:19	1
Benzo[a]pyrene	<8.80		10.9	8.80	ug/L		08/21/25 14:08	08/28/25 22:19	1
Benzo[b]fluoranthene	<5.33		10.9	5.33	ug/L		08/21/25 14:08	08/28/25 22:19	1
Benzo[g,h,i]perylene	<6.85		10.9	6.85	ug/L		08/21/25 14:08	08/28/25 22:19	1
Benzo[k]fluoranthene	<2.39		10.9	2.39	ug/L		08/21/25 14:08	08/28/25 22:19	1
Benzyl alcohol	<1.41		10.9	1.41	ug/L		08/21/25 14:08	08/28/25 22:19	1
Bis(2-chloroethoxy)methane	<0.826		10.9	0.826	ug/L		08/21/25 14:08	08/28/25 22:19	1
Bis(2-chloroethyl)ether	<0.891		10.9	0.891	ug/L		08/21/25 14:08	08/28/25 22:19	1
2,2'-oxybis[1-chloropropane]	<0.587		10.9	0.587	ug/L		08/21/25 14:08	08/28/25 22:19	1
Bis(2-ethylhexyl) phthalate	<5.98		10.9	5.98	ug/L		08/21/25 14:08	08/28/25 22:19	1
Butyl benzyl phthalate	<5.87		10.9	5.87	ug/L		08/21/25 14:08	08/28/25 22:19	1
Chlorobenzilate	<3.91		10.9	3.91	ug/L		08/21/25 14:08	08/28/25 22:19	1
Chrysene	<0.946		10.9	0.946	ug/L		08/21/25 14:08	08/28/25 22:19	1
Diallate	<4.35		10.9	4.35	ug/L		08/21/25 14:08	08/28/25 22:19	1
Dibenzo(a,h)anthracene	<4.24		10.9	4.24	ug/L		08/21/25 14:08	08/28/25 22:19	1
Dibenzofuran	<0.804		10.9	0.804	ug/L		08/21/25 14:08	08/28/25 22:19	1
Diethyl phthalate	<1.85		10.9	1.85	ug/L		08/21/25 14:08	08/28/25 22:19	1
Dimethoate	<3.91	*+	10.9	3.91	ug/L		08/21/25 14:08	08/28/25 22:19	1
Dimethyl phthalate	<1.09		10.9	1.09	ug/L		08/21/25 14:08	08/28/25 22:19	1
Di-n-butyl phthalate	<6.09		10.9	6.09	ug/L		08/21/25 14:08	08/28/25 22:19	1
Di-n-octyl phthalate	<7.61		21.7	7.61	ug/L		08/21/25 14:08	08/28/25 22:19	1
Dinoseb	<2.61		10.9	2.61	ug/L		08/21/25 14:08	08/28/25 22:19	1
Diphenylamine	<6.52		10.9	6.52	ug/L		08/21/25 14:08	08/28/25 22:19	1
Disulfoton	<2.61	*1	10.9	2.61	ug/L		08/21/25 14:08	08/28/25 22:19	1
Ethyl methanesulfonate	<3.91		10.9	3.91	ug/L		08/21/25 14:08	08/28/25 22:19	1
Ethyl Parathion	<2.39		10.9	2.39	ug/L		08/21/25 14:08	08/28/25 22:19	1
Famphur	<4.13	*+	10.9	4.13	ug/L		08/21/25 14:08	08/28/25 22:19	1
Fluoranthene	<1.85		10.9	1.85	ug/L		08/21/25 14:08	08/28/25 22:19	1
Fluorene	<0.859		10.9	0.859	ug/L		08/21/25 14:08	08/28/25 22:19	1
Hexachlorobenzene	<0.761		10.9	0.761	ug/L		08/21/25 14:08	08/28/25 22:19	1
Hexachlorobutadiene	<0.935		10.9	0.935	ug/L		08/21/25 14:08	08/28/25 22:19	1
Hexachlorocyclopentadiene	<5.54		10.9	5.54	ug/L		08/21/25 14:08	08/28/25 22:19	1
Hexachloroethane	<1.05		10.9	1.05	ug/L		08/21/25 14:08	08/28/25 22:19	1
Hexachloropropene	<2.83		10.9	2.83	ug/L		08/21/25 14:08	08/28/25 22:19	1
Indeno[1,2,3-cd]pyrene	<4.57		10.9	4.57	ug/L		08/21/25 14:08	08/28/25 22:19	1

Client Sample ID: FD-1_25_08
Lab Sample ID: 310-313508-18
Date Collected: 08/14/25 00:00
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<5.11		10.9	5.11	ug/L		08/21/25 14:08	08/28/25 22:19	1
Isophorone	<1.01		10.9	1.01	ug/L		08/21/25 14:08	08/28/25 22:19	1
Isosafrole	<2.50		10.9	2.50	ug/L		08/21/25 14:08	08/28/25 22:19	1
Kepone	<1.09	*+	10.9	1.09	ug/L		08/21/25 14:08	08/28/25 22:19	1
Methapyrilene	<0.826	*- *1	10.9	0.826	ug/L		08/21/25 14:08	08/28/25 22:19	1
Methyl methanesulfonate	<3.59		10.9	3.59	ug/L		08/21/25 14:08	08/28/25 22:19	1
Methyl parathion	<2.50		10.9	2.50	ug/L		08/21/25 14:08	08/28/25 22:19	1
Nitrobenzene	<0.870		10.9	0.870	ug/L		08/21/25 14:08	08/28/25 22:19	1
N-Nitrosodiethylamine	<3.70		10.9	3.70	ug/L		08/21/25 14:08	08/28/25 22:19	1
N-Nitrosodimethylamine	<0.783		10.9	0.783	ug/L		08/21/25 14:08	08/28/25 22:19	1
N-Nitrosodi-n-butylamine	<4.24		10.9	4.24	ug/L		08/21/25 14:08	08/28/25 22:19	1
N-Nitrosodi-n-propylamine	<1.00		10.9	1.00	ug/L		08/21/25 14:08	08/28/25 22:19	1
N-Nitrosodiphenylamine	<0.815		10.9	0.815	ug/L		08/21/25 14:08	08/28/25 22:19	1
N-Nitrosomethylethylamine	<5.33		10.9	5.33	ug/L		08/21/25 14:08	08/28/25 22:19	1
N-Nitrosopiperidine	<2.93		10.9	2.93	ug/L		08/21/25 14:08	08/28/25 22:19	1
N-Nitrosopyrrolidine	<3.91		10.9	3.91	ug/L		08/21/25 14:08	08/28/25 22:19	1
o,o',o''-Triethylphosphorothioate	<3.48		10.9	3.48	ug/L		08/21/25 14:08	08/28/25 22:19	1
o-Toluidine	<3.15		10.9	3.15	ug/L		08/21/25 14:08	08/28/25 22:19	1
p-Dimethylamino azobenzene	<2.39		10.9	2.39	ug/L		08/21/25 14:08	08/28/25 22:19	1
Pentachlorobenzene	<3.04		10.9	3.04	ug/L		08/21/25 14:08	08/28/25 22:19	1
Pentachloronitrobenzene	<6.30		10.9	6.30	ug/L		08/21/25 14:08	08/28/25 22:19	1
Pentachlorophenol	<10.4		10.9	10.4	ug/L		08/21/25 14:08	08/28/25 22:19	1
Phenacetin	<2.07		10.9	2.07	ug/L		08/21/25 14:08	08/28/25 22:19	1
Phenanthrene	<0.859		10.9	0.859	ug/L		08/21/25 14:08	08/28/25 22:19	1
Phenol	<1.20		10.9	1.20	ug/L		08/21/25 14:08	08/28/25 22:19	1
Phorate	<3.48		10.9	3.48	ug/L		08/21/25 14:08	08/28/25 22:19	1
Pronamide	<2.93		10.9	2.93	ug/L		08/21/25 14:08	08/28/25 22:19	1
Pyrene	<0.859		10.9	0.859	ug/L		08/21/25 14:08	08/28/25 22:19	1
Safrole	<3.04		10.9	3.04	ug/L		08/21/25 14:08	08/28/25 22:19	1
Thionazin	<3.80		10.9	3.80	ug/L		08/21/25 14:08	08/28/25 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*55*		*21 - 110*	*08/21/25 14:08*	*08/28/25 22:19*	*1*
Phenol-d5 (Surr)	*46*		*21 - 110*	*08/21/25 14:08*	*08/28/25 22:19*	*1*
Nitrobenzene-d5 (Surr)	*66*		*39 - 140*	*08/21/25 14:08*	*08/28/25 22:19*	*1*
2-Fluorobiphenyl (Surr)	*60*		*33 - 126*	*08/21/25 14:08*	*08/28/25 22:19*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*20 - 144*	*08/21/25 14:08*	*08/28/25 22:19*	*1*
Terphenyl-d14 (Surr)	*92*		*13 - 150*	*08/21/25 14:08*	*08/28/25 22:19*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/20/25 00:24	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/20/25 00:24	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0224		0.0895	0.0224	ug/L		08/19/25 10:02	08/22/25 11:07	1
4,4'-DDE	<0.0269		0.0895	0.0269	ug/L		08/19/25 10:02	08/22/25 11:07	1
4,4'-DDT	<0.0179		0.0895	0.0179	ug/L		08/19/25 10:02	08/22/25 11:07	1
Aldrin	<0.0197		0.0895	0.0197	ug/L		08/19/25 10:02	08/22/25 11:07	1

Client Sample ID: FD-1_25_08
Lab Sample ID: 310-313508-18
Date Collected: 08/14/25 00:00
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00895		0.0895	0.00895	ug/L		08/19/25 10:02	08/22/25 11:07	1
beta-BHC	<0.0376		0.0895	0.0376	ug/L		08/19/25 10:02	08/22/25 11:07	1
Chlordane (technical)	<0.349		1.79	0.349	ug/L		08/19/25 10:02	08/22/25 11:07	1
delta-BHC	<0.0286		0.0895	0.0286	ug/L		08/19/25 10:02	08/22/25 11:07	1
Dieldrin	<0.0188		0.0895	0.0188	ug/L		08/19/25 10:02	08/22/25 11:07	1
Endosulfan I	<0.0251		0.0895	0.0251	ug/L		08/19/25 10:02	08/22/25 11:07	1
Endosulfan II	<0.0233		0.0895	0.0233	ug/L		08/19/25 10:02	08/22/25 11:07	1
Endosulfan sulfate	<0.0161		0.0895	0.0161	ug/L		08/19/25 10:02	08/22/25 11:07	1
Endrin	<0.0251		0.0895	0.0251	ug/L		08/19/25 10:02	08/22/25 11:07	1
Endrin aldehyde	<0.0242		0.0895	0.0242	ug/L		08/19/25 10:02	08/22/25 11:07	1
gamma-BHC (Lindane)	<0.00895		0.0895	0.00895	ug/L		08/19/25 10:02	08/22/25 11:07	1
Heptachlor	<0.0206		0.0895	0.0206	ug/L		08/19/25 10:02	08/22/25 11:07	1
Heptachlor epoxide	<0.0286		0.0895	0.0286	ug/L		08/19/25 10:02	08/22/25 11:07	1
Methoxychlor	<0.0286		0.0895	0.0286	ug/L		08/19/25 10:02	08/22/25 11:07	1
Toxaphene	<0.895		1.79	0.895	ug/L		08/19/25 10:02	08/22/25 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*21*		*10 - 150*	*08/19/25 10:02*	*08/22/25 11:07*	*1*
Tetrachloro-m-xylene	*46*		*17 - 150*	*08/19/25 10:02*	*08/22/25 11:07*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.734		1.79	0.734	ug/L		08/19/25 10:02	08/22/25 11:07	1
PCB-1221	<0.734		1.79	0.734	ug/L		08/19/25 10:02	08/22/25 11:07	1
PCB-1232	<0.734		1.79	0.734	ug/L		08/19/25 10:02	08/22/25 11:07	1
PCB-1242	<0.734		1.79	0.734	ug/L		08/19/25 10:02	08/22/25 11:07	1
PCB-1248	<0.618		1.79	0.618	ug/L		08/19/25 10:02	08/22/25 11:07	1
PCB-1254	<0.618		1.79	0.618	ug/L		08/19/25 10:02	08/22/25 11:07	1
PCB-1260	<0.618		1.79	0.618	ug/L		08/19/25 10:02	08/22/25 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*22*		*10 - 150*	*08/19/25 10:02*	*08/22/25 11:07*	*1*
Tetrachloro-m-xylene	*47*		*17 - 150*	*08/19/25 10:02*	*08/22/25 11:07*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.139	*1	1.10	0.139	ug/L		08/20/25 07:38	08/21/25 00:01	1
Silvex (2,4,5-TP)	<0.116	*+	1.10	0.116	ug/L		08/20/25 07:38	08/21/25 00:01	1
2,4,5-T	<0.155	*+ *1	1.10	0.155	ug/L		08/20/25 07:38	08/21/25 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*88*		*25 - 130*	*08/20/25 07:38*	*08/21/25 00:01*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/27/25 12:04	1
Arsenic	**0.0190**		0.00200	0.000530	mg/L		08/20/25 09:00	08/27/25 12:04	1
Barium	**0.990**		0.00200	0.000660	mg/L		08/20/25 09:00	08/27/25 12:04	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/27/25 12:04	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/27/25 12:04	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/27/25 12:04	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: FD-1_25_08
Lab Sample ID: 310-313508-18
Date Collected: 08/14/25 00:00
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.000854**		0.000500	0.000170	mg/L		08/20/25 09:00	08/27/25 12:04	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/27/25 12:04	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/27/25 12:04	1
Nickel	**0.0158**		0.00500	0.00230	mg/L		08/20/25 09:00	08/27/25 12:04	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/27/25 12:04	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/27/25 12:04	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/20/25 09:00	08/27/25 12:04	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/27/25 12:04	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/27/25 12:04	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/20/25 09:00	08/27/25 12:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 09:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/20/25 09:10	08/22/25 19:02	1
Sulfide (SW846 9034)	**0.379**	**J**	1.00	0.231	mg/L		08/20/25 16:33	08/20/25 17:16	1
Total Suspended Solids (USGS I-3765-85)	**78.0**		15.0	10.5	mg/L			08/20/25 11:34	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: FB-1_25_08
Lab Sample ID: 310-313508-19
Date Collected: 08/15/25 09:30
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/20/25 06:45	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/20/25 06:45	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/20/25 06:45	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/20/25 06:45	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/20/25 06:45	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/20/25 06:45	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/20/25 06:45	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/20/25 06:45	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/20/25 06:45	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/20/25 06:45	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/20/25 06:45	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/20/25 06:45	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/20/25 06:45	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/20/25 06:45	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/20/25 06:45	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/20/25 06:45	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/20/25 06:45	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/20/25 06:45	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/20/25 06:45	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/20/25 06:45	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/20/25 06:45	1
Acetone	<3.10		10.0	3.10	ug/L			08/20/25 06:45	1
Acrolein	<3.60		10.0	3.60	ug/L			08/20/25 06:45	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/20/25 06:45	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/20/25 06:45	1
Benzene	<0.220		0.500	0.220	ug/L			08/20/25 06:45	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/20/25 06:45	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/20/25 06:45	1
Bromoform	<0.780		5.00	0.780	ug/L			08/20/25 06:45	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/20/25 06:45	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/20/25 06:45	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/20/25 06:45	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/20/25 06:45	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/20/25 06:45	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/20/25 06:45	1
Chloroform	<1.30		3.00	1.30	ug/L			08/20/25 06:45	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/20/25 06:45	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/20/25 06:45	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/20/25 06:45	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/20/25 06:45	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/20/25 06:45	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/20/25 06:45	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/20/25 06:45	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/20/25 06:45	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/20/25 06:45	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/20/25 06:45	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/20/25 06:45	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/20/25 06:45	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/20/25 06:45	1

Client Sample ID: FB-1_25_08
Lab Sample ID: 310-313508-19
Date Collected: 08/15/25 09:30
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/20/25 06:45	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/20/25 06:45	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/20/25 06:45	1
Styrene	<0.370		1.00	0.370	ug/L			08/20/25 06:45	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/20/25 06:45	1
Toluene	<0.430		1.00	0.430	ug/L			08/20/25 06:45	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/20/25 06:45	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/20/25 06:45	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/20/25 06:45	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/20/25 06:45	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/20/25 06:45	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/20/25 06:45	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/20/25 06:45	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/20/25 06:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*76 - 130*		*08/20/25 06:45*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/20/25 06:45*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/20/25 06:45*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.563		10.4	0.563	ug/L		08/21/25 14:08	08/28/25 22:45	1
1,3,5-Trinitrobenzene	<2.40		10.4	2.40	ug/L		08/21/25 14:08	08/28/25 22:45	1
1,3-Dinitrobenzene	<3.33		10.4	3.33	ug/L		08/21/25 14:08	08/28/25 22:45	1
1,4-Naphthoquinone	<3.75		10.4	3.75	ug/L		08/21/25 14:08	08/28/25 22:45	1
1,4-phenylenediamine	<1.98	*- *1	10.4	1.98	ug/L		08/21/25 14:08	08/28/25 22:45	1
1-Naphthylamine	<2.60		10.4	2.60	ug/L		08/21/25 14:08	08/28/25 22:45	1
2,3,4,6-Tetrachlorophenol	<5.52		10.4	5.52	ug/L		08/21/25 14:08	08/28/25 22:45	1
2,4,5-Trichlorophenol	<5.52		10.4	5.52	ug/L		08/21/25 14:08	08/28/25 22:45	1
2,4,6-Trichlorophenol	<5.21		10.4	5.21	ug/L		08/21/25 14:08	08/28/25 22:45	1
2,4-Dichlorophenol	<0.885		10.4	0.885	ug/L		08/21/25 14:08	08/28/25 22:45	1
2,4-Dimethylphenol	<0.604		10.4	0.604	ug/L		08/21/25 14:08	08/28/25 22:45	1
2,4-Dinitrophenol	<13.5		20.8	13.5	ug/L		08/21/25 14:08	08/28/25 22:45	1
2,4-Dinitrotoluene	<6.67		10.4	6.67	ug/L		08/21/25 14:08	08/28/25 22:45	1
2,6-Dichlorophenol	<0.719		10.4	0.719	ug/L		08/21/25 14:08	08/28/25 22:45	1
2,6-Dinitrotoluene	<0.542		10.4	0.542	ug/L		08/21/25 14:08	08/28/25 22:45	1
2-Acetylaminofluorene	<2.81		10.4	2.81	ug/L		08/21/25 14:08	08/28/25 22:45	1
2-Chloronaphthalene	<0.667		10.4	0.667	ug/L		08/21/25 14:08	08/28/25 22:45	1
2-Chlorophenol	<0.563		10.4	0.563	ug/L		08/21/25 14:08	08/28/25 22:45	1
2-Methylnaphthalene	<0.615		10.4	0.615	ug/L		08/21/25 14:08	08/28/25 22:45	1
2-Methylphenol	<0.677		10.4	0.677	ug/L		08/21/25 14:08	08/28/25 22:45	1
2-Naphthylamine	<2.19		10.4	2.19	ug/L		08/21/25 14:08	08/28/25 22:45	1
2-Nitroaniline	<6.15		10.4	6.15	ug/L		08/21/25 14:08	08/28/25 22:45	1
2-Nitrophenol	<7.08		10.4	7.08	ug/L		08/21/25 14:08	08/28/25 22:45	1
3,3'-Dichlorobenzidine	<1.46		10.4	1.46	ug/L		08/21/25 14:08	08/28/25 22:45	1
3,3'-Dimethylbenzidine	<1.56		10.4	1.56	ug/L		08/21/25 14:08	08/28/25 22:45	1
3-Methylcholanthrene	<0.333		10.4	0.333	ug/L		08/21/25 14:08	08/28/25 22:45	1
3-Nitroaniline	<2.81		10.4	2.81	ug/L		08/21/25 14:08	08/28/25 22:45	1
4,6-Dinitro-2-methylphenol	<7.19		10.4	7.19	ug/L		08/21/25 14:08	08/28/25 22:45	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: FB-1_25_08
Lab Sample ID: 310-313508-19
Date Collected: 08/15/25 09:30
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.29		10.4	2.29	ug/L		08/21/25 14:08	08/28/25 22:45	1
4-Bromophenyl phenyl ether	<0.729		10.4	0.729	ug/L		08/21/25 14:08	08/28/25 22:45	1
4-Chloro-3-methylphenol	<0.875		10.4	0.875	ug/L		08/21/25 14:08	08/28/25 22:45	1
4-Chloroaniline	<0.646		10.4	0.646	ug/L		08/21/25 14:08	08/28/25 22:45	1
4-Chlorophenyl phenyl ether	<0.719		10.4	0.719	ug/L		08/21/25 14:08	08/28/25 22:45	1
Methylphenol, 3 & 4	<0.729		10.4	0.729	ug/L		08/21/25 14:08	08/28/25 22:45	1
4-Nitroaniline	<1.35		10.4	1.35	ug/L		08/21/25 14:08	08/28/25 22:45	1
4-Nitrophenol	<7.92		10.4	7.92	ug/L		08/21/25 14:08	08/28/25 22:45	1
5-Nitro-o-toluidine	<2.92		10.4	2.92	ug/L		08/21/25 14:08	08/28/25 22:45	1
7,12-Dimethylbenz(a)anthracene	<1.98		10.4	1.98	ug/L		08/21/25 14:08	08/28/25 22:45	1
Acenaphthene	<0.667		10.4	0.667	ug/L		08/21/25 14:08	08/28/25 22:45	1
Acenaphthylene	<0.750		10.4	0.750	ug/L		08/21/25 14:08	08/28/25 22:45	1
Acetophenone	<0.719		10.4	0.719	ug/L		08/21/25 14:08	08/28/25 22:45	1
Anthracene	<0.906		10.4	0.906	ug/L		08/21/25 14:08	08/28/25 22:45	1
Benzo[a]anthracene	<0.885		10.4	0.885	ug/L		08/21/25 14:08	08/28/25 22:45	1
Benzo[a]pyrene	<8.44		10.4	8.44	ug/L		08/21/25 14:08	08/28/25 22:45	1
Benzo[b]fluoranthene	<5.10		10.4	5.10	ug/L		08/21/25 14:08	08/28/25 22:45	1
Benzo[g,h,i]perylene	<6.56		10.4	6.56	ug/L		08/21/25 14:08	08/28/25 22:45	1
Benzo[k]fluoranthene	<2.29		10.4	2.29	ug/L		08/21/25 14:08	08/28/25 22:45	1
Benzyl alcohol	**5.07**	**J**	10.4	1.35	ug/L		08/21/25 14:08	08/28/25 22:45	1
Bis(2-chloroethoxy)methane	<0.792		10.4	0.792	ug/L		08/21/25 14:08	08/28/25 22:45	1
Bis(2-chloroethyl)ether	<0.854		10.4	0.854	ug/L		08/21/25 14:08	08/28/25 22:45	1
2,2'-oxybis[1-chloropropane]	<0.563		10.4	0.563	ug/L		08/21/25 14:08	08/28/25 22:45	1
Bis(2-ethylhexyl) phthalate	<5.73		10.4	5.73	ug/L		08/21/25 14:08	08/28/25 22:45	1
Butyl benzyl phthalate	<5.63		10.4	5.63	ug/L		08/21/25 14:08	08/28/25 22:45	1
Chlorobenzilate	<3.75		10.4	3.75	ug/L		08/21/25 14:08	08/28/25 22:45	1
Chrysene	<0.906		10.4	0.906	ug/L		08/21/25 14:08	08/28/25 22:45	1
Diallate	<4.17		10.4	4.17	ug/L		08/21/25 14:08	08/28/25 22:45	1
Dibenzo(a,h)anthracene	<4.06		10.4	4.06	ug/L		08/21/25 14:08	08/28/25 22:45	1
Dibenzofuran	<0.771		10.4	0.771	ug/L		08/21/25 14:08	08/28/25 22:45	1
Diethyl phthalate	<1.77		10.4	1.77	ug/L		08/21/25 14:08	08/28/25 22:45	1
Dimethoate	<3.75	*+	10.4	3.75	ug/L		08/21/25 14:08	08/28/25 22:45	1
Dimethyl phthalate	<1.04		10.4	1.04	ug/L		08/21/25 14:08	08/28/25 22:45	1
Di-n-butyl phthalate	<5.83		10.4	5.83	ug/L		08/21/25 14:08	08/28/25 22:45	1
Di-n-octyl phthalate	<7.29		20.8	7.29	ug/L		08/21/25 14:08	08/28/25 22:45	1
Dinoseb	<2.50		10.4	2.50	ug/L		08/21/25 14:08	08/28/25 22:45	1
Diphenylamine	<6.25		10.4	6.25	ug/L		08/21/25 14:08	08/28/25 22:45	1
Disulfoton	<2.50	*1	10.4	2.50	ug/L		08/21/25 14:08	08/28/25 22:45	1
Ethyl methanesulfonate	<3.75		10.4	3.75	ug/L		08/21/25 14:08	08/28/25 22:45	1
Ethyl Parathion	<2.29		10.4	2.29	ug/L		08/21/25 14:08	08/28/25 22:45	1
Famphur	<3.96	*+	10.4	3.96	ug/L		08/21/25 14:08	08/28/25 22:45	1
Fluoranthene	<1.77		10.4	1.77	ug/L		08/21/25 14:08	08/28/25 22:45	1
Fluorene	<0.823		10.4	0.823	ug/L		08/21/25 14:08	08/28/25 22:45	1
Hexachlorobenzene	<0.729		10.4	0.729	ug/L		08/21/25 14:08	08/28/25 22:45	1
Hexachlorobutadiene	<0.896		10.4	0.896	ug/L		08/21/25 14:08	08/28/25 22:45	1
Hexachlorocyclopentadiene	<5.31		10.4	5.31	ug/L		08/21/25 14:08	08/28/25 22:45	1
Hexachloroethane	<1.01		10.4	1.01	ug/L		08/21/25 14:08	08/28/25 22:45	1
Hexachloropropene	<2.71		10.4	2.71	ug/L		08/21/25 14:08	08/28/25 22:45	1
Indeno[1,2,3-cd]pyrene	<4.38		10.4	4.38	ug/L		08/21/25 14:08	08/28/25 22:45	1

Client Sample ID: FB-1_25_08
Lab Sample ID: 310-313508-19
Date Collected: 08/15/25 09:30
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.90		10.4	4.90	ug/L		08/21/25 14:08	08/28/25 22:45	1
Isophorone	<0.969		10.4	0.969	ug/L		08/21/25 14:08	08/28/25 22:45	1
Isosafrole	<2.40		10.4	2.40	ug/L		08/21/25 14:08	08/28/25 22:45	1
Kepone	<1.04	*+	10.4	1.04	ug/L		08/21/25 14:08	08/28/25 22:45	1
Methapyrilene	<0.792	*- *1	10.4	0.792	ug/L		08/21/25 14:08	08/28/25 22:45	1
Methyl methanesulfonate	<3.44		10.4	3.44	ug/L		08/21/25 14:08	08/28/25 22:45	1
Methyl parathion	<2.40		10.4	2.40	ug/L		08/21/25 14:08	08/28/25 22:45	1
Nitrobenzene	<0.833		10.4	0.833	ug/L		08/21/25 14:08	08/28/25 22:45	1
N-Nitrosodiethylamine	<3.54		10.4	3.54	ug/L		08/21/25 14:08	08/28/25 22:45	1
N-Nitrosodimethylamine	<0.750		10.4	0.750	ug/L		08/21/25 14:08	08/28/25 22:45	1
N-Nitrosodi-n-butylamine	<4.06		10.4	4.06	ug/L		08/21/25 14:08	08/28/25 22:45	1
N-Nitrosodi-n-propylamine	<0.958		10.4	0.958	ug/L		08/21/25 14:08	08/28/25 22:45	1
N-Nitrosodiphenylamine	<0.781		10.4	0.781	ug/L		08/21/25 14:08	08/28/25 22:45	1
N-Nitrosomethylethylamine	<5.10		10.4	5.10	ug/L		08/21/25 14:08	08/28/25 22:45	1
N-Nitrosopiperidine	<2.81		10.4	2.81	ug/L		08/21/25 14:08	08/28/25 22:45	1
N-Nitrosopyrrolidine	<3.75		10.4	3.75	ug/L		08/21/25 14:08	08/28/25 22:45	1
o,o',o''-Triethylphosphorothioate	<3.33		10.4	3.33	ug/L		08/21/25 14:08	08/28/25 22:45	1
o-Toluidine	<3.02		10.4	3.02	ug/L		08/21/25 14:08	08/28/25 22:45	1
p-Dimethylamino azobenzene	<2.29		10.4	2.29	ug/L		08/21/25 14:08	08/28/25 22:45	1
Pentachlorobenzene	<2.92		10.4	2.92	ug/L		08/21/25 14:08	08/28/25 22:45	1
Pentachloronitrobenzene	<6.04		10.4	6.04	ug/L		08/21/25 14:08	08/28/25 22:45	1
Pentachlorophenol	<10.0		10.4	10.0	ug/L		08/21/25 14:08	08/28/25 22:45	1
Phenacetin	<1.98		10.4	1.98	ug/L		08/21/25 14:08	08/28/25 22:45	1
Phenanthrene	<0.823		10.4	0.823	ug/L		08/21/25 14:08	08/28/25 22:45	1
Phenol	<1.15		10.4	1.15	ug/L		08/21/25 14:08	08/28/25 22:45	1
Phorate	<3.33		10.4	3.33	ug/L		08/21/25 14:08	08/28/25 22:45	1
Pronamide	<2.81		10.4	2.81	ug/L		08/21/25 14:08	08/28/25 22:45	1
Pyrene	<0.823		10.4	0.823	ug/L		08/21/25 14:08	08/28/25 22:45	1
Safrole	<2.92		10.4	2.92	ug/L		08/21/25 14:08	08/28/25 22:45	1
Thionazin	<3.65		10.4	3.65	ug/L		08/21/25 14:08	08/28/25 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*62*		*21 - 110*	*08/21/25 14:08*	*08/28/25 22:45*	*1*
Phenol-d5 (Surr)	*49*		*21 - 110*	*08/21/25 14:08*	*08/28/25 22:45*	*1*
Nitrobenzene-d5 (Surr)	*79*		*39 - 140*	*08/21/25 14:08*	*08/28/25 22:45*	*1*
2-Fluorobiphenyl (Surr)	*73*		*33 - 126*	*08/21/25 14:08*	*08/28/25 22:45*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*20 - 144*	*08/21/25 14:08*	*08/28/25 22:45*	*1*
Terphenyl-d14 (Surr)	*108*		*13 - 150*	*08/21/25 14:08*	*08/28/25 22:45*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/20/25 00:43	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/20/25 00:43	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0227		0.0907	0.0227	ug/L		08/22/25 12:01	08/28/25 13:38	1
4,4'-DDE	<0.0272		0.0907	0.0272	ug/L		08/22/25 12:01	08/28/25 13:38	1
4,4'-DDT	<0.0181		0.0907	0.0181	ug/L		08/22/25 12:01	08/28/25 13:38	1
Aldrin	<0.0199		0.0907	0.0199	ug/L		08/22/25 12:01	08/28/25 13:38	1

Client Sample ID: FB-1_25_08
Lab Sample ID: 310-313508-19
Date Collected: 08/15/25 09:30
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00907		0.0907	0.00907	ug/L		08/22/25 12:01	08/28/25 13:38	1
beta-BHC	<0.0381		0.0907	0.0381	ug/L		08/22/25 12:01	08/28/25 13:38	1
Chlordane (technical)	<0.354		1.81	0.354	ug/L		08/22/25 12:01	08/28/25 13:38	1
delta-BHC	<0.0290		0.0907	0.0290	ug/L		08/22/25 12:01	08/28/25 13:38	1
Dieldrin	<0.0190		0.0907	0.0190	ug/L		08/22/25 12:01	08/28/25 13:38	1
Endosulfan I	<0.0254		0.0907	0.0254	ug/L		08/22/25 12:01	08/28/25 13:38	1
Endosulfan II	<0.0236		0.0907	0.0236	ug/L		08/22/25 12:01	08/28/25 13:38	1
Endosulfan sulfate	<0.0163		0.0907	0.0163	ug/L		08/22/25 12:01	08/28/25 13:38	1
Endrin	<0.0254		0.0907	0.0254	ug/L		08/22/25 12:01	08/28/25 13:38	1
Endrin aldehyde	<0.0245		0.0907	0.0245	ug/L		08/22/25 12:01	08/28/25 13:38	1
gamma-BHC (Lindane)	<0.00907		0.0907	0.00907	ug/L		08/22/25 12:01	08/28/25 13:38	1
Heptachlor	<0.0209		0.0907	0.0209	ug/L		08/22/25 12:01	08/28/25 13:38	1
Heptachlor epoxide	<0.0290		0.0907	0.0290	ug/L		08/22/25 12:01	08/28/25 13:38	1
Methoxychlor	<0.0290		0.0907	0.0290	ug/L		08/22/25 12:01	08/28/25 13:38	1
Toxaphene	<0.907		1.81	0.907	ug/L		08/22/25 12:01	08/28/25 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*61*		*10 - 150*	*08/22/25 12:01*	*08/28/25 13:38*	*1*
Tetrachloro-m-xylene	*114*		*17 - 150*	*08/22/25 12:01*	*08/28/25 13:38*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.744		1.81	0.744	ug/L		08/22/25 12:01	08/27/25 10:16	1
PCB-1221	<0.744		1.81	0.744	ug/L		08/22/25 12:01	08/27/25 10:16	1
PCB-1232	<0.744		1.81	0.744	ug/L		08/22/25 12:01	08/27/25 10:16	1
PCB-1242	<0.744		1.81	0.744	ug/L		08/22/25 12:01	08/27/25 10:16	1
PCB-1248	<0.626		1.81	0.626	ug/L		08/22/25 12:01	08/27/25 10:16	1
PCB-1254	<0.626		1.81	0.626	ug/L		08/22/25 12:01	08/27/25 10:16	1
PCB-1260	<0.626		1.81	0.626	ug/L		08/22/25 12:01	08/27/25 10:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*51*		*10 - 150*	*08/22/25 12:01*	*08/27/25 10:16*	*1*
Tetrachloro-m-xylene	*103*		*17 - 150*	*08/22/25 12:01*	*08/27/25 10:16*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.137	*1	1.09	0.137	ug/L		08/20/25 07:38	08/21/25 00:19	1
Silvex (2,4,5-TP)	<0.114	*+	1.09	0.114	ug/L		08/20/25 07:38	08/21/25 00:19	1
2,4,5-T	<0.152	*+ *1	1.09	0.152	ug/L		08/20/25 07:38	08/21/25 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*95*		*25 - 130*	*08/20/25 07:38*	*08/21/25 00:19*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/27/25 12:07	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/20/25 09:00	08/27/25 12:07	1
Barium	<0.000660		0.00200	0.000660	mg/L		08/20/25 09:00	08/27/25 12:07	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/27/25 12:07	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/27/25 12:07	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/27/25 12:07	1

Client Sample ID: FB-1_25_08
Lab Sample ID: 310-313508-19
Date Collected: 08/15/25 09:30
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/20/25 09:00	08/27/25 12:07	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/27/25 12:07	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/27/25 12:07	1
Nickel	<0.00230		0.00500	0.00230	mg/L		08/20/25 09:00	08/27/25 12:07	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/27/25 12:07	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/27/25 12:07	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/20/25 09:00	08/27/25 12:07	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/27/25 12:07	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/27/25 12:07	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/20/25 09:00	08/27/25 12:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 09:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/20/25 09:10	08/22/25 19:02	1
Sulfide (SW846 9034)	<0.231	F1	1.00	0.231	mg/L		08/21/25 14:31	08/21/25 16:30	1
Total Suspended Solids (USGS I-3765-85)	<1.31		1.88	1.31	mg/L			08/19/25 13:42	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: TB-1_25_08
Lab Sample ID: 310-313508-20
Date Collected: 08/15/25 00:00
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 11:34	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 11:34	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 11:34	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 11:34	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/19/25 11:34	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 11:34	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 11:34	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 11:34	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 11:34	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 11:34	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 11:34	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/19/25 11:34	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 11:34	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 11:34	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 11:34	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 11:34	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/19/25 11:34	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 11:34	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 11:34	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 11:34	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 11:34	1
Acetone	<3.10		10.0	3.10	ug/L			08/19/25 11:34	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 11:34	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 11:34	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 11:34	1
Benzene	<0.220		0.500	0.220	ug/L			08/19/25 11:34	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 11:34	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 11:34	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 11:34	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 11:34	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 11:34	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 11:34	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/19/25 11:34	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 11:34	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 11:34	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 11:34	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 11:34	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 11:34	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/19/25 11:34	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 11:34	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 11:34	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 11:34	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 11:34	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 11:34	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 11:34	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 11:34	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 11:34	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 11:34	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 11:34	1

Client Sample ID: TB-1_25_08
Lab Sample ID: 310-313508-20
Date Collected: 08/15/25 00:00
Matrix: Water
Date Received: 08/15/25 14:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 11:34	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 11:34	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 11:34	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 11:34	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 11:34	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 11:34	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 11:34	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 11:34	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 11:34	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 11:34	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 11:34	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 11:34	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 11:34	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*08/19/25 11:34*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/19/25 11:34*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/19/25 11:34*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

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

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313508-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-313248-B-19 MS	Matrix Spike	96	101	104
310-313248-B-19 MSD	Matrix Spike Duplicate	96	99	104
310-313465-B-9 MS	Matrix Spike	94	101	104
310-313465-B-9 MSD	Matrix Spike Duplicate	94	101	106
310-313508-1	AW-1_25_08	111	92	101
310-313508-1 MS	AW-1_25_08	102	95	96
310-313508-1 MSD	AW-1_25_08	99	96	103
310-313508-2	AW-2_25_08	112	93	100
310-313508-3	AW-3_25_08	110	92	96
310-313508-4	CRL-9_25_08	107	96	96
310-313508-5	MW-13_25_08	114	92	99
310-313508-6	MW-14_25_08	116	95	101
310-313508-7	MW-15_25_08	116	91	97
310-313508-8	MW-16_25_08	116	94	98
310-313508-9	MW-21_25_08	118	96	103
310-313508-10	MW-22_25_08	112	97	99
310-313508-11	MW-23_25_08	117	90	99
310-313508-12	MW-37_25_08	117	97	102
310-313508-13	MW-38_25_08	110	92	97
310-313508-14	VP-3_25_08	120	95	103
310-313508-15	VP-4_25_08	122	96	98
310-313508-16	MW-101A_25_08	120	90	105
310-313508-16 MS	MW-101A_25_08	98	95	95
310-313508-16 MSD	MW-101A_25_08	103	96	95
310-313508-17	MW-101B_25_08	119	93	98
310-313508-18	FD-1_25_08	118	91	100
310-313508-19	FB-1_25_08	120	96	105
310-313508-20	TB-1_25_08	113	93	99
LCS 310-463930/7	Lab Control Sample	99	96	105
LCS 310-463930/8	Lab Control Sample	106	96	104
LCS 310-463932/6	Lab Control Sample	101	97	97
LCS 310-463932/7	Lab Control Sample	114	93	102
LCS 310-463942/6	Lab Control Sample	96	101	106
LCS 310-463942/7	Lab Control Sample	123	97	101
LCS 310-464079/6	Lab Control Sample	96	102	104
LCS 310-464079/7	Lab Control Sample	124	96	102
MB 310-463930/6	Method Blank	105	93	101
MB 310-463932/5	Method Blank	116	91	97
MB 310-463942/5	Method Blank	120	97	100
MB 310-464079/5	Method Blank	121	97	101

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		2FP	PHL	NBZ	FBP	TBP	TPHL
Lab Sample ID	Client Sample ID	(21-110)	(21-110)	(39-140)	(33-126)	(20-144)	(13-150)
310-313508-1	AW-1_25_08	59	46	79	74	87	109
310-313508-2	AW-2_25_08	63 *3	51 *3	83 *3	70	96	88
310-313508-3	AW-3_25_08	72 *3	60 *3	89	77	103	95
310-313508-4	CRL-9_25_08	76	63	93	80	108	120
310-313508-5	MW-13_25_08	71	59	85	73	99	111
310-313508-6	MW-14_25_08	73	58	91	81	96	136
310-313508-7	MW-15_25_08	78	62	103	95	94	131
310-313508-8	MW-16_25_08	56	44	74	68	71	98
310-313508-9	MW-21_25_08	50	41	61	59	64	92
310-313508-10	MW-22_25_08	73	56	98	86	99	113
310-313508-11	MW-23_25_08	64	50	86	82	86	130
310-313508-12	MW-37_25_08	54	44	68	60	73	74
310-313508-13	MW-38_25_08	50	41	62	57	62	
310-313508-13	MW-38_25_08						74
310-313508-14	VP-3_25_08	65	52	82	76	97	
310-313508-14	VP-3_25_08						96
310-313508-15	VP-4_25_08	63	54	73	68	92	
310-313508-15	VP-4_25_08						96
310-313508-16	MW-101A_25_08	59	48	81	74	76	114
310-313508-17	MW-101B_25_08	51	39	67	58	58	88
310-313508-18	FD-1_25_08	55	46	66	60	63	92
310-313508-19	FB-1_25_08	62	49	79	73	72	108
LCS 310-464070/2-A	Lab Control Sample	74	63	89	86	110	109
LCS 310-464070/2-A	Lab Control Sample	76	63	94	83	101	103
LCS 310-464385/2-A	Lab Control Sample	75	64	94	87	117	118
LCSD 310-464070/3-A	Lab Control Sample Dup	55	46	68	64	82	85
LCSD 310-464070/3-A	Lab Control Sample Dup	52	45	69	65	80	84
LCSD 310-464385/3-A	Lab Control Sample Dup	59	50	78	70	92	93
MB 310-464070/1-A	Method Blank	71	58	91	80	104	100
MB 310-464070/1-A	Method Blank	70	60	95	90	89	104
MB 310-464385/1-A	Method Blank	81	64	101	94	113	139

Surrogate Legend

2FP = 2-Fluorophenol (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-313508-1	AW-1_25_08	65	56
310-313508-2	AW-2_25_08	65	49
310-313508-3	AW-3_25_08	66	67
310-313508-4	CRL-9_25_08	54	51
310-313508-5	MW-13_25_08	14	69

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-313508-6	MW-14_25_08	26	49
310-313508-7	MW-15_25_08	42	76
310-313508-8	MW-16_25_08	29	53
310-313508-9	MW-21_25_08	52	79
310-313508-10	MW-22_25_08	29	89
310-313508-11	MW-23_25_08	51	70
310-313508-12	MW-37_25_08	62	52
310-313508-13	MW-38_25_08	61	52
310-313508-14	VP-3_25_08	33	46
310-313508-15	VP-4_25_08	56	63
310-313508-16	MW-101A_25_08	61	69
310-313508-17	MW-101B_25_08	64	73
310-313508-18	FD-1_25_08	21	46
310-313508-19	FB-1_25_08	61	114
LB 310-463979/1-B	Method Blank	78	76
LB 310-464103/1-E	Method Blank	72	84
LCS 310-464063/28-A	Lab Control Sample	50	57
LCS 310-464511/32-A	Lab Control Sample	51	71
MB 310-464063/1-A	Method Blank	67	71
MB 310-464511/1-A	Method Blank	57	72

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-313006-C-1-D MS	Matrix Spike	38	67
310-313006-C-1-E MSD	Matrix Spike Duplicate	33	60
310-313099-B-1-E MS	Matrix Spike	64	87
310-313099-B-1-F MSD	Matrix Spike Duplicate	49	82

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-313508-1	AW-1_25_08	66	57
310-313508-2	AW-2_25_08	66	50
310-313508-3	AW-3_25_08	68	68
310-313508-4	CRL-9_25_08	55	52
310-313508-5	MW-13_25_08	14	70
310-313508-6	MW-14_25_08	26	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCB1 (10-150)	TCX1 (17-150)								
310-313508-7	MW-15_25_08	43	78								
310-313508-8	MW-16_25_08	29	54								
310-313508-9	MW-21_25_08	53	81								
310-313508-10	MW-22_25_08	30	91								
310-313508-11	MW-23_25_08	51	72								
310-313508-12	MW-37_25_08	63	53								
310-313508-13	MW-38_25_08	62	53								
310-313508-14	VP-3_25_08	34	47								
310-313508-15	VP-4_25_08	57	64								
310-313508-16	MW-101A_25_08	62	71								
310-313508-17	MW-101B_25_08	65	75								
310-313508-18	FD-1_25_08	22	47								
310-313508-18 MS	FD-1_25_08	24	59								
310-313508-18 MSD	FD-1_25_08	31	89								
310-313508-19	FB-1_25_08	51	103								
LB 310-464396/1-D	Method Blank	64	68								
LCS 310-464063/27-A	Lab Control Sample	47	47								
LCS 310-464511/8-A	Lab Control Sample	52	85								
MB 310-464063/1-A	Method Blank	68	73								
MB 310-464511/1-A	Method Blank	58	74								

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCB1 (10-150)	TCX1 (17-150)								
310-313100-B-1-I MS	Matrix Spike	26	54								
310-313100-B-1-J MSD	Matrix Spike Duplicate	15	46								

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCPAA2 (25-130)									
310-313508-1	AW-1_25_08	95									
310-313508-2	AW-2_25_08	85									
310-313508-3	AW-3_25_08	84									
310-313508-4	CRL-9_25_08	104									
310-313508-5	MW-13_25_08	78									
310-313508-6	MW-14_25_08	77									
310-313508-7	MW-15_25_08	74									
310-313508-8	MW-16_25_08	73									

Surrogate Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Method: 8151A - Herbicides (GC) (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		DCPAA2							
Lab Sample ID	Client Sample ID	(25-130)							
310-313508-9	MW-21_25_08	74							
310-313508-10	MW-22_25_08	77							
310-313508-11	MW-23_25_08	83							
310-313508-12	MW-37_25_08	80							
310-313508-13	MW-38_25_08	95							
310-313508-14	VP-3_25_08	96							
310-313508-15	VP-4_25_08	85							
310-313508-16	MW-101A_25_08	104							
310-313508-17	MW-101B_25_08	85							
310-313508-18	FD-1_25_08	88							
310-313508-19	FB-1_25_08	95							
LCS 500-830739/2-A	Lab Control Sample	122							
LCSD 500-830739/3-A	Lab Control Sample Dup	106							
MB 500-830739/1-A	Method Blank	107							

Surrogate Legend

DCPAA = DCAA

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-463930/6
Matrix: Water
Analysis Batch: 463930

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/18/25 22:56	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/18/25 22:56	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/18/25 22:56	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/18/25 22:56	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/18/25 22:56	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/18/25 22:56	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/18/25 22:56	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/18/25 22:56	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/18/25 22:56	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/18/25 22:56	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/18/25 22:56	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/18/25 22:56	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/18/25 22:56	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/18/25 22:56	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/18/25 22:56	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/18/25 22:56	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/18/25 22:56	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/18/25 22:56	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/18/25 22:56	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/18/25 22:56	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/18/25 22:56	1
Acetone	<3.10		10.0	3.10	ug/L			08/18/25 22:56	1
Acrolein	<3.60		10.0	3.60	ug/L			08/18/25 22:56	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/18/25 22:56	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/18/25 22:56	1
Benzene	<0.220		0.500	0.220	ug/L			08/18/25 22:56	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/18/25 22:56	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/18/25 22:56	1
Bromoform	<0.780		5.00	0.780	ug/L			08/18/25 22:56	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/18/25 22:56	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/18/25 22:56	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/18/25 22:56	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/18/25 22:56	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/18/25 22:56	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/18/25 22:56	1
Chloroform	<1.30		3.00	1.30	ug/L			08/18/25 22:56	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/18/25 22:56	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/18/25 22:56	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/18/25 22:56	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/18/25 22:56	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/18/25 22:56	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/18/25 22:56	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/18/25 22:56	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/18/25 22:56	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/18/25 22:56	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/18/25 22:56	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/18/25 22:56	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/18/25 22:56	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-463930/6
Matrix: Water
Analysis Batch: 463930

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/18/25 22:56	1
Naphthalene	<3.00		5.00	3.00	ug/L			08/18/25 22:56	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/18/25 22:56	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/18/25 22:56	1
Styrene	<0.370		1.00	0.370	ug/L			08/18/25 22:56	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/18/25 22:56	1
Toluene	<0.430		1.00	0.430	ug/L			08/18/25 22:56	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/18/25 22:56	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/18/25 22:56	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/18/25 22:56	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/18/25 22:56	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/18/25 22:56	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/18/25 22:56	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/18/25 22:56	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/18/25 22:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*76 - 130*		*08/18/25 22:56*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/18/25 22:56*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/18/25 22:56*	*1*

Lab Sample ID: LCS 310-463930/7
Matrix: Water
Analysis Batch: 463930

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.29		ug/L		96	70 - 121
1,1,1-Trichloroethane	20.0	23.10		ug/L		115	69 - 130
1,1,2,2-Tetrachloroethane	20.0	19.73		ug/L		99	70 - 122
1,1,2-Trichloroethane	20.0	21.29		ug/L		106	75 - 121
1,1-Dichloroethane	20.0	22.33		ug/L		112	69 - 127
1,1-Dichloroethene	20.0	23.05		ug/L		115	64 - 134
1,1-Dichloropropene	20.0	22.29		ug/L		111	70 - 133
1,2,3-Trichloropropane	20.0	18.89		ug/L		94	70 - 122
1,2,4-Trichlorobenzene	20.0	20.28		ug/L		101	69 - 125
1,2-Dibromo-3-Chloropropane	20.0	21.36		ug/L		107	62 - 132
1,2-Dibromoethane (EDB)	20.0	21.06		ug/L		105	74 - 122
1,2-Dichlorobenzene	20.0	21.46		ug/L		107	74 - 120
1,2-Dichloroethane	20.0	23.01		ug/L		115	68 - 125
1,2-Dichloropropane	20.0	22.50		ug/L		113	72 - 128
1,3-Dichlorobenzene	20.0	21.11		ug/L		106	71 - 120
1,3-Dichloropropane	20.0	20.58		ug/L		103	72 - 125
1,4-Dichlorobenzene	20.0	21.19		ug/L		106	72 - 120
2,2-Dichloropropane	20.0	20.30		ug/L		102	51 - 146
2-Butanone (MEK)	40.0	44.55		ug/L		111	60 - 134
2-Hexanone	40.0	40.34		ug/L		101	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	42.30		ug/L		106	62 - 136
Acetone	40.0	47.67		ug/L		119	59 - 136

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-463930/7
Matrix: Water
Analysis Batch: 463930

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acrolein	94.8	87.41		ug/L		92	50 - 150
Acrylonitrile	200	229.9		ug/L		115	50 - 150
Allyl chloride	20.0	21.68		ug/L		108	61 - 136
Benzene	20.0	23.25		ug/L		116	71 - 125
Bromochloromethane	20.0	23.35		ug/L		117	69 - 131
Bromodichloromethane	20.0	21.46		ug/L		107	70 - 122
Bromoform	20.0	19.11		ug/L		96	62 - 122
Carbon disulfide	20.0	23.26		ug/L		116	58 - 137
Carbon tetrachloride	20.0	20.75		ug/L		104	63 - 136
Chlorobenzene	20.0	21.25		ug/L		106	74 - 120
Chlorodibromomethane	20.0	17.90		ug/L		89	69 - 121
Chloroform	20.0	22.74		ug/L		114	72 - 122
Chloroprene	20.0	22.86		ug/L		114	67 - 136
cis-1,2-Dichloroethene	20.0	21.57		ug/L		108	72 - 123
cis-1,3-Dichloropropene	20.0	19.48		ug/L		97	72 - 123
Dibromomethane	20.0	22.35		ug/L		112	72 - 122
Ethyl methacrylate	20.0	20.62		ug/L		103	68 - 128
Ethylbenzene	20.0	20.96		ug/L		105	75 - 120
Iodomethane	20.0	14.93		ug/L		75	18 - 150
Methacrylonitrile	200	209.7		ug/L		105	67 - 128
Methyl methacrylate	40.0	44.76		ug/L		112	69 - 129
Methylene Chloride	20.0	22.85		ug/L		114	72 - 128
Naphthalene	20.0	19.05		ug/L		95	69 - 126
Propionitrile	200	217.8		ug/L		109	68 - 131
Styrene	20.0	20.72		ug/L		104	74 - 122
Tetrachloroethene	20.0	19.35		ug/L		97	70 - 128
Toluene	20.0	19.35		ug/L		97	74 - 120
trans-1,2-Dichloroethene	20.0	23.10		ug/L		115	67 - 127
trans-1,3-Dichloropropene	20.0	18.92		ug/L		95	67 - 123
trans-1,4-Dichloro-2-butene	20.0	19.13		ug/L		96	50 - 150
Trichloroethene	20.0	20.39		ug/L		102	70 - 128
Vinyl acetate	40.0	41.03		ug/L		103	50 - 150
Xylenes, Total	40.0	41.08		ug/L		103	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*76 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*

Lab Sample ID: LCS 310-463930/8
Matrix: Water
Analysis Batch: 463930

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	17.00		ug/L		85	33 - 138
Chloroethane	20.0	23.92		ug/L		120	59 - 139
Chloromethane	20.0	19.53		ug/L		98	52 - 146
Dichlorodifluoromethane	20.0	23.28		ug/L		116	45 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-463930/8
Matrix: Water
Analysis Batch: 463930

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Trichlorofluoromethane			20.0	23.30		ug/L		117	55 - 150		
Vinyl chloride			20.0	23.15		ug/L		116	60 - 142		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*106*		*76 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*

Lab Sample ID: 310-313508-1 MS
Matrix: Water
Analysis Batch: 463930

Client Sample ID: AW-1_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane	<0.380		25.0	21.88		ug/L		88	55 - 121		
1,1,1-Trichloroethane	<0.190		25.0	24.38		ug/L		98	53 - 130		
1,1,2,2-Tetrachloroethane	<0.470		25.0	24.53		ug/L		98	55 - 123		
1,1,2-Trichloroethane	<0.450		25.0	23.68		ug/L		95	60 - 121		
1,1-Dichloroethane	0.461	J	25.0	24.70		ug/L		97	53 - 127		
1,1-Dichloroethene	<0.560		25.0	24.83		ug/L		99	51 - 134		
1,1-Dichloropropene	<0.430		25.0	23.84		ug/L		95	55 - 133		
1,2,3-Trichloropropane	<0.590		25.0	23.15		ug/L		93	56 - 122		
1,2,4-Trichlorobenzene	<0.750		25.0	22.22		ug/L		89	55 - 126		
1,2-Dibromo-3-Chloropropane	<1.20		25.0	21.64		ug/L		87	44 - 138		
1,2-Dibromoethane (EDB)	<0.340		25.0	22.29		ug/L		89	60 - 122		
1,2-Dichlorobenzene	<0.370		25.0	23.80		ug/L		95	60 - 120		
1,2-Dichloroethane	<0.390		25.0	24.79		ug/L		99	48 - 128		
1,2-Dichloropropane	<0.270		25.0	25.14		ug/L		101	59 - 128		
1,3-Dichlorobenzene	<0.300		25.0	23.30		ug/L		93	58 - 120		
1,3-Dichloropropane	<0.400		25.0	23.39		ug/L		94	58 - 125		
1,4-Dichlorobenzene	0.486	J	25.0	23.86		ug/L		93	58 - 120		
2,2-Dichloropropane	<0.690		25.0	20.14		ug/L		81	34 - 146		
2-Butanone (MEK)	<2.10		50.0	51.20		ug/L		102	46 - 134		
2-Hexanone	<2.00		50.0	45.88		ug/L		92	46 - 141		
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	47.82		ug/L		96	49 - 138		
Acetone	<3.10		50.0	56.99		ug/L		114	39 - 141		
Acrolein	<3.60		119	92.84		ug/L		78	39 - 150		
Acrylonitrile	<2.20		250	251.8		ug/L		101	41 - 150		
Allyl chloride	<0.700		25.0	22.13		ug/L		89	47 - 136		
Benzene	<0.220		25.0	25.14		ug/L		101	48 - 125		
Bromochloromethane	<0.540		25.0	26.06		ug/L		104	55 - 131		
Bromodichloromethane	<0.390		25.0	23.88		ug/L		96	53 - 122		
Bromoform	<0.780		25.0	22.39		ug/L		90	47 - 122		
Carbon disulfide	<0.450		25.0	26.46		ug/L		106	45 - 137		
Carbon tetrachloride	<0.650		25.0	23.59		ug/L		94	45 - 136		
Chlorobenzene	2.92		25.0	26.53		ug/L		94	59 - 120		
Chlorodibromomethane	<0.750		25.0	21.00		ug/L		84	53 - 121		
Chloroform	<1.30		25.0	25.17		ug/L		101	52 - 122		
Chloroprene	<0.230		25.0	23.68		ug/L		95	48 - 136		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-313508-1 MS
Matrix: Water
Analysis Batch: 463930

Client Sample ID: AW-1_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	0.612	J	25.0	23.64		ug/L		92	51 - 123
cis-1,3-Dichloropropene	<0.250		25.0	19.71		ug/L		79	55 - 123
Dibromomethane	<0.330		25.0	25.33		ug/L		101	57 - 122
Ethyl methacrylate	<0.680		25.0	22.62		ug/L		90	53 - 129
Ethylbenzene	<0.310		25.0	22.30		ug/L		89	53 - 120
Iodomethane	<7.00		25.0	15.23		ug/L		61	18 - 150
Methacrylonitrile	<3.30		250	232.5		ug/L		93	53 - 128
Methyl methacrylate	<0.760		50.0	49.20		ug/L		98	48 - 137
Methylene Chloride	<1.70		25.0	24.68		ug/L		99	59 - 128
Naphthalene	<3.00		25.0	18.92		ug/L		76	45 - 144
Propionitrile	<3.40		250	253.5		ug/L		101	56 - 131
Styrene	<0.370		25.0	22.62		ug/L		90	50 - 125
Tetrachloroethene	<0.480		25.0	22.02		ug/L		88	51 - 128
Toluene	<0.430		25.0	20.99		ug/L		84	52 - 120
trans-1,2-Dichloroethene	<0.270		25.0	24.73		ug/L		99	53 - 127
trans-1,3-Dichloropropene	<0.560		25.0	20.69		ug/L		83	50 - 123
trans-1,4-Dichloro-2-butene	<1.10		25.0	21.96		ug/L		88	28 - 150
Trichloroethene	<0.430		25.0	22.73		ug/L		91	50 - 128
Vinyl acetate	<2.50		50.0	45.48		ug/L		91	31 - 150
Xylenes, Total	<0.400		50.0	42.35		ug/L		85	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*102*		*76 - 130*
Toluene-d8 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*

Lab Sample ID: 310-313508-1 MSD
Matrix: Water
Analysis Batch: 463930

Client Sample ID: AW-1_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.380		25.0	21.15		ug/L		85	55 - 121	3	20
1,1,1-Trichloroethane	<0.190		25.0	22.20		ug/L		89	53 - 130	9	20
1,1,2,2-Tetrachloroethane	<0.470		25.0	23.22		ug/L		93	55 - 123	5	20
1,1,2-Trichloroethane	<0.450		25.0	22.84		ug/L		91	60 - 121	4	20
1,1-Dichloroethane	0.461	J	25.0	22.27		ug/L		87	53 - 127	10	20
1,1-Dichloroethene	<0.560		25.0	22.53		ug/L		90	51 - 134	10	20
1,1-Dichloropropene	<0.430		25.0	21.18		ug/L		85	55 - 133	12	20
1,2,3-Trichloropropane	<0.590		25.0	22.93		ug/L		92	56 - 122	1	21
1,2,4-Trichlorobenzene	<0.750		25.0	21.32		ug/L		85	55 - 126	4	20
1,2-Dibromo-3-Chloropropane	<1.20		25.0	22.68		ug/L		91	44 - 138	5	24
1,2-Dibromoethane (EDB)	<0.340		25.0	21.05		ug/L		84	60 - 122	6	20
1,2-Dichlorobenzene	<0.370		25.0	22.96		ug/L		92	60 - 120	4	20
1,2-Dichloroethane	<0.390		25.0	23.80		ug/L		95	48 - 128	4	20
1,2-Dichloropropane	<0.270		25.0	22.68		ug/L		91	59 - 128	10	20
1,3-Dichlorobenzene	<0.300		25.0	23.55		ug/L		94	58 - 120	1	20
1,3-Dichloropropane	<0.400		25.0	21.06		ug/L		84	58 - 125	10	20
1,4-Dichlorobenzene	0.486	J	25.0	24.12		ug/L		95	58 - 120	1	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-313508-1 MSD
Client Sample ID: AW-1_25_08
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 463930

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,2-Dichloropropane	<0.690		25.0	18.18		ug/L		73	34 - 146	10	20
2-Butanone (MEK)	<2.10		50.0	48.45		ug/L		97	46 - 134	6	23
2-Hexanone	<2.00		50.0	45.04		ug/L		90	46 - 141	2	20
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	47.37		ug/L		95	49 - 138	1	20
Acetone	<3.10		50.0	55.21		ug/L		110	39 - 141	3	23
Acrolein	<3.60		119	92.48		ug/L		78	39 - 150	0	33
Acrylonitrile	<2.20		250	247.4		ug/L		99	41 - 150	2	20
Allyl chloride	<0.700		25.0	19.71		ug/L		79	47 - 136	12	33
Benzene	<0.220		25.0	22.92		ug/L		92	48 - 125	9	20
Bromochloromethane	<0.540		25.0	23.09		ug/L		92	55 - 131	12	21
Bromodichloromethane	<0.390		25.0	22.15		ug/L		89	53 - 122	7	20
Bromoform	<0.780		25.0	21.00		ug/L		84	47 - 122	6	20
Carbon disulfide	<0.450		25.0	22.89		ug/L		92	45 - 137	14	24
Carbon tetrachloride	<0.650		25.0	20.81		ug/L		83	45 - 136	12	20
Chlorobenzene	2.92		25.0	24.88		ug/L		88	59 - 120	6	20
Chlorodibromomethane	<0.750		25.0	18.94		ug/L		76	53 - 121	10	20
Chloroform	<1.30		25.0	22.83		ug/L		91	52 - 122	10	20
Chloroprene	<0.230		25.0	21.27		ug/L		85	48 - 136	11	20
cis-1,2-Dichloroethene	0.612	J	25.0	22.08		ug/L		86	51 - 123	7	20
cis-1,3-Dichloropropene	<0.250		25.0	18.74		ug/L		75	55 - 123	5	20
Dibromomethane	<0.330		25.0	23.01		ug/L		92	57 - 122	10	20
Ethyl methacrylate	<0.680		25.0	21.75		ug/L		87	53 - 129	4	20
Ethylbenzene	<0.310		25.0	20.64		ug/L		83	53 - 120	8	20
Iodomethane	<7.00		25.0	14.30		ug/L		57	18 - 150	6	32
Methacrylonitrile	<3.30		250	225.9		ug/L		90	53 - 128	3	20
Methyl methacrylate	<0.760		50.0	50.04		ug/L		100	48 - 137	2	20
Methylene Chloride	<1.70		25.0	23.27		ug/L		93	59 - 128	6	20
Naphthalene	<3.00		25.0	19.95		ug/L		80	45 - 144	5	32
Propionitrile	<3.40		250	249.0		ug/L		100	56 - 131	2	20
Styrene	<0.370		25.0	21.30		ug/L		85	50 - 125	6	20
Tetrachloroethene	<0.480		25.0	20.38		ug/L		82	51 - 128	8	20
Toluene	<0.430		25.0	18.85		ug/L		75	52 - 120	11	20
trans-1,2-Dichloroethene	<0.270		25.0	22.33		ug/L		89	53 - 127	10	20
trans-1,3-Dichloropropene	<0.560		25.0	19.50		ug/L		78	50 - 123	6	20
trans-1,4-Dichloro-2-butene	<1.10		25.0	20.12		ug/L		80	28 - 150	9	24
Trichloroethene	<0.430		25.0	20.14		ug/L		81	50 - 128	12	20
Vinyl acetate	<2.50		50.0	44.83		ug/L		90	31 - 150	1	25
Xylenes, Total	<0.400		50.0	40.18		ug/L		80	50 - 122	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*76 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-463932/5
Matrix: Water
Analysis Batch: 463932

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/19/25 10:06	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/19/25 10:06	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/19/25 10:06	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/19/25 10:06	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/19/25 10:06	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/19/25 10:06	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/19/25 10:06	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/19/25 10:06	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/19/25 10:06	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/19/25 10:06	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/19/25 10:06	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/19/25 10:06	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/19/25 10:06	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/19/25 10:06	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/19/25 10:06	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/19/25 10:06	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/19/25 10:06	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/19/25 10:06	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/19/25 10:06	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/19/25 10:06	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/19/25 10:06	1
Acetone	<3.10		10.0	3.10	ug/L			08/19/25 10:06	1
Acrolein	<3.60		10.0	3.60	ug/L			08/19/25 10:06	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/19/25 10:06	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/19/25 10:06	1
Benzene	<0.220		0.500	0.220	ug/L			08/19/25 10:06	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/19/25 10:06	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/19/25 10:06	1
Bromoform	<0.780		5.00	0.780	ug/L			08/19/25 10:06	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/19/25 10:06	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/19/25 10:06	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/19/25 10:06	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/19/25 10:06	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/19/25 10:06	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/19/25 10:06	1
Chloroform	<1.30		3.00	1.30	ug/L			08/19/25 10:06	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/19/25 10:06	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/19/25 10:06	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/19/25 10:06	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/19/25 10:06	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/19/25 10:06	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/19/25 10:06	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/19/25 10:06	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/19/25 10:06	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/19/25 10:06	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/19/25 10:06	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/19/25 10:06	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/19/25 10:06	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-463932/5
Matrix: Water
Analysis Batch: 463932

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/19/25 10:06	1
Naphthalene	<3.00		5.00	3.00	ug/L			08/19/25 10:06	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/19/25 10:06	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/19/25 10:06	1
Styrene	<0.370		1.00	0.370	ug/L			08/19/25 10:06	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/19/25 10:06	1
Toluene	<0.430		1.00	0.430	ug/L			08/19/25 10:06	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/19/25 10:06	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/19/25 10:06	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/19/25 10:06	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/19/25 10:06	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/19/25 10:06	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/19/25 10:06	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/19/25 10:06	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/19/25 10:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*08/19/25 10:06*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*08/19/25 10:06*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/19/25 10:06*	*1*

Lab Sample ID: LCS 310-463932/6
Matrix: Water
Analysis Batch: 463932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.31		ug/L		97	70 - 121
1,1,1-Trichloroethane	20.0	20.61		ug/L		103	69 - 130
1,1,2,2-Tetrachloroethane	20.0	19.46		ug/L		97	70 - 122
1,1,2-Trichloroethane	20.0	20.75		ug/L		104	75 - 121
1,1-Dichloroethane	20.0	20.93		ug/L		105	69 - 127
1,1-Dichloroethene	20.0	21.72		ug/L		109	64 - 134
1,1-Dichloropropene	20.0	19.41		ug/L		97	70 - 133
1,2,3-Trichloropropane	20.0	19.35		ug/L		97	70 - 122
1,2,4-Trichlorobenzene	20.0	16.70		ug/L		84	69 - 125
1,2-Dibromo-3-Chloropropane	20.0	17.48		ug/L		87	62 - 132
1,2-Dibromoethane (EDB)	20.0	19.25		ug/L		96	74 - 122
1,2-Dichlorobenzene	20.0	18.75		ug/L		94	74 - 120
1,2-Dichloroethane	20.0	22.07		ug/L		110	68 - 125
1,2-Dichloropropane	20.0	20.93		ug/L		105	72 - 128
1,3-Dichlorobenzene	20.0	18.89		ug/L		94	71 - 120
1,3-Dichloropropane	20.0	19.62		ug/L		98	72 - 125
1,4-Dichlorobenzene	20.0	18.40		ug/L		92	72 - 120
2,2-Dichloropropane	20.0	16.94		ug/L		85	51 - 146
2-Butanone (MEK)	40.0	41.43		ug/L		104	60 - 134
2-Hexanone	40.0	37.31		ug/L		93	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	39.53		ug/L		99	62 - 136
Acetone	40.0	46.84		ug/L		117	59 - 136

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-463932/6
Matrix: Water
Analysis Batch: 463932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Acrolein			94.8	71.62		ug/L		76	50 - 150		
Acrylonitrile			200	216.3		ug/L		108	50 - 150		
Allyl chloride			20.0	19.39		ug/L		97	61 - 136		
Benzene			20.0	21.55		ug/L		108	71 - 125		
Bromochloromethane			20.0	21.99		ug/L		110	69 - 131		
Bromodichloromethane			20.0	20.72		ug/L		104	70 - 122		
Bromoform			20.0	18.73		ug/L		94	62 - 122		
Carbon disulfide			20.0	22.14		ug/L		111	58 - 137		
Carbon tetrachloride			20.0	20.21		ug/L		101	63 - 136		
Chlorobenzene			20.0	20.17		ug/L		101	74 - 120		
Chlorodibromomethane			20.0	16.67		ug/L		83	69 - 121		
Chloroform			20.0	21.79		ug/L		109	72 - 122		
Chloroprene			20.0	20.43		ug/L		102	67 - 136		
cis-1,2-Dichloroethene			20.0	19.99		ug/L		100	72 - 123		
cis-1,3-Dichloropropene			20.0	17.01		ug/L		85	72 - 123		
Dibromomethane			20.0	22.30		ug/L		112	72 - 122		
Ethyl methacrylate			20.0	18.99		ug/L		95	68 - 128		
Ethylbenzene			20.0	19.07		ug/L		95	75 - 120		
Iodomethane			20.0	11.64		ug/L		58	18 - 150		
Methacrylonitrile			200	200.9		ug/L		100	67 - 128		
Methyl methacrylate			40.0	40.97		ug/L		102	69 - 129		
Methylene Chloride			20.0	21.16		ug/L		106	72 - 128		
Naphthalene			20.0	15.20		ug/L		76	69 - 126		
Propionitrile			200	208.4		ug/L		104	68 - 131		
Styrene			20.0	18.72		ug/L		94	74 - 122		
Tetrachloroethene			20.0	19.13		ug/L		96	70 - 128		
Toluene			20.0	18.37		ug/L		92	74 - 120		
trans-1,2-Dichloroethene			20.0	21.85		ug/L		109	67 - 127		
trans-1,3-Dichloropropene			20.0	17.96		ug/L		90	67 - 123		
trans-1,4-Dichloro-2-butene			20.0	18.54		ug/L		93	50 - 150		
Trichloroethene			20.0	19.22		ug/L		96	70 - 128		
Vinyl acetate			40.0	37.33		ug/L		93	50 - 150		
Xylenes, Total			40.0	37.09		ug/L		93	74 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*76 - 130*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*

Lab Sample ID: LCS 310-463932/7
Matrix: Water
Analysis Batch: 463932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromomethane			20.0	17.05		ug/L		85	33 - 138		
Chloroethane			20.0	21.95		ug/L		110	59 - 139		
Chloromethane			20.0	19.39		ug/L		97	52 - 146		
Dichlorodifluoromethane			20.0	21.43		ug/L		107	45 - 150		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-463932/7
Matrix: Water
Analysis Batch: 463932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Trichlorofluoromethane			20.0	20.92		ug/L		105	55 - 150		
Vinyl chloride			20.0	21.73		ug/L		109	60 - 142		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*114*		*76 - 130*
Toluene-d8 (Surr)	*93*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

Lab Sample ID: 310-313508-16 MS
Matrix: Water
Analysis Batch: 463932

Client Sample ID: MW-101A_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane	<0.380		25.0	21.80		ug/L		87	55 - 121		
1,1,1-Trichloroethane	<0.190		25.0	23.37		ug/L		93	53 - 130		
1,1,2,2-Tetrachloroethane	<0.470		25.0	24.59		ug/L		98	55 - 123		
1,1,2-Trichloroethane	<0.450		25.0	24.35		ug/L		97	60 - 121		
1,1-Dichloroethane	<0.220		25.0	23.51		ug/L		94	53 - 127		
1,1-Dichloroethene	<0.560		25.0	25.04		ug/L		100	51 - 134		
1,1-Dichloropropene	<0.430		25.0	22.28		ug/L		89	55 - 133		
1,2,3-Trichloropropane	<0.590		25.0	24.22		ug/L		97	56 - 122		
1,2,4-Trichlorobenzene	<0.750		25.0	19.95		ug/L		80	55 - 126		
1,2-Dibromo-3-Chloropropane	<1.20		25.0	23.52		ug/L		94	44 - 138		
1,2-Dibromoethane (EDB)	<0.340		25.0	22.30		ug/L		89	60 - 122		
1,2-Dichlorobenzene	<0.370		25.0	23.64		ug/L		95	60 - 120		
1,2-Dichloroethane	<0.390		25.0	25.19		ug/L		101	48 - 128		
1,2-Dichloropropane	<0.270		25.0	24.38		ug/L		98	59 - 128		
1,3-Dichlorobenzene	<0.300		25.0	23.97		ug/L		96	58 - 120		
1,3-Dichloropropane	<0.400		25.0	22.42		ug/L		90	58 - 125		
1,4-Dichlorobenzene	<0.230		25.0	24.35		ug/L		97	58 - 120		
2,2-Dichloropropane	<0.690		25.0	17.07		ug/L		68	34 - 146		
2-Butanone (MEK)	<2.10		50.0	47.24		ug/L		94	46 - 134		
2-Hexanone	<2.00		50.0	47.96		ug/L		96	46 - 141		
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	48.82		ug/L		98	49 - 138		
Acetone	<3.10		50.0	56.60		ug/L		113	39 - 141		
Acrolein	<3.60		119	84.04		ug/L		71	39 - 150		
Acrylonitrile	<2.20		250	260.0		ug/L		104	41 - 150		
Allyl chloride	<0.700		25.0	22.05		ug/L		88	47 - 136		
Benzene	<0.220		25.0	24.42		ug/L		98	48 - 125		
Bromochloromethane	<0.540		25.0	24.79		ug/L		99	55 - 131		
Bromodichloromethane	<0.390		25.0	23.33		ug/L		93	53 - 122		
Bromoform	<0.780		25.0	22.24		ug/L		89	47 - 122		
Carbon disulfide	<0.450		25.0	25.80		ug/L		103	45 - 137		
Carbon tetrachloride	<0.650		25.0	23.12		ug/L		92	45 - 136		
Chlorobenzene	<0.400		25.0	22.97		ug/L		92	59 - 120		
Chlorodibromomethane	<0.750		25.0	20.48		ug/L		82	53 - 121		
Chloroform	<1.30		25.0	25.07		ug/L		100	52 - 122		
Chloroprene	<0.230		25.0	23.12		ug/L		92	48 - 136		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-313508-16 MS
Matrix: Water
Analysis Batch: 463932

Client Sample ID: MW-101A_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	<0.210		25.0	22.56		ug/L		90	51 - 123
cis-1,3-Dichloropropene	<0.250		25.0	18.48		ug/L		74	55 - 123
Dibromomethane	<0.330		25.0	23.84		ug/L		95	57 - 122
Ethyl methacrylate	<0.680		25.0	21.24		ug/L		85	53 - 129
Ethylbenzene	<0.310		25.0	21.19		ug/L		85	53 - 120
Iodomethane	<7.00		25.0	12.96		ug/L		52	18 - 150
Methacrylonitrile	<3.30		250	235.8		ug/L		94	53 - 128
Methyl methacrylate	<0.760		50.0	47.79		ug/L		96	48 - 137
Methylene Chloride	<1.70		25.0	25.23		ug/L		101	59 - 128
Naphthalene	<3.00		25.0	19.59		ug/L		78	45 - 144
Propionitrile	<3.40		250	255.4		ug/L		102	56 - 131
Styrene	<0.370		25.0	22.24		ug/L		89	50 - 125
Tetrachloroethene	<0.480		25.0	21.34		ug/L		85	51 - 128
Toluene	<0.430		25.0	20.03		ug/L		80	52 - 120
trans-1,2-Dichloroethene	<0.270		25.0	23.82		ug/L		95	53 - 127
trans-1,3-Dichloropropene	<0.560		25.0	19.91		ug/L		80	50 - 123
trans-1,4-Dichloro-2-butene	<1.10		25.0	20.06		ug/L		80	28 - 150
Trichloroethene	<0.430		25.0	21.50		ug/L		86	50 - 128
Vinyl acetate	<2.50		50.0	43.06		ug/L		86	31 - 150
Xylenes, Total	<0.400		50.0	40.87		ug/L		82	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*76 - 130*
Toluene-d8 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*

Lab Sample ID: 310-313508-16 MSD
Matrix: Water
Analysis Batch: 463932

Client Sample ID: MW-101A_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.380		25.0	22.20		ug/L		89	55 - 121	2	20
1,1,1-Trichloroethane	<0.190		25.0	23.50		ug/L		94	53 - 130	1	20
1,1,2,2-Tetrachloroethane	<0.470		25.0	25.74		ug/L		103	55 - 123	5	20
1,1,2-Trichloroethane	<0.450		25.0	24.77		ug/L		99	60 - 121	2	20
1,1-Dichloroethane	<0.220		25.0	23.73		ug/L		95	53 - 127	1	20
1,1-Dichloroethene	<0.560		25.0	23.99		ug/L		96	51 - 134	4	20
1,1-Dichloropropene	<0.430		25.0	22.26		ug/L		89	55 - 133	0	20
1,2,3-Trichloropropane	<0.590		25.0	24.04		ug/L		96	56 - 122	1	21
1,2,4-Trichlorobenzene	<0.750		25.0	20.87		ug/L		83	55 - 126	4	20
1,2-Dibromo-3-Chloropropane	<1.20		25.0	22.21		ug/L		89	44 - 138	6	24
1,2-Dibromoethane (EDB)	<0.340		25.0	22.16		ug/L		89	60 - 122	1	20
1,2-Dichlorobenzene	<0.370		25.0	23.17		ug/L		93	60 - 120	2	20
1,2-Dichloroethane	<0.390		25.0	25.32		ug/L		101	48 - 128	0	20
1,2-Dichloropropane	<0.270		25.0	24.87		ug/L		99	59 - 128	2	20
1,3-Dichlorobenzene	<0.300		25.0	23.89		ug/L		96	58 - 120	0	20
1,3-Dichloropropane	<0.400		25.0	23.20		ug/L		93	58 - 125	3	20
1,4-Dichlorobenzene	<0.230		25.0	23.95		ug/L		96	58 - 120	2	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-313508-16 MSD
Client Sample ID: MW-101A_25_08
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 463932

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,2-Dichloropropane	<0.690		25.0	16.81		ug/L		67	34 - 146	2	20
2-Butanone (MEK)	<2.10		50.0	50.21		ug/L		100	46 - 134	6	23
2-Hexanone	<2.00		50.0	48.48		ug/L		97	46 - 141	1	20
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	50.96		ug/L		102	49 - 138	4	20
Acetone	<3.10		50.0	58.91		ug/L		118	39 - 141	4	23
Acrolein	<3.60		119	89.76		ug/L		76	39 - 150	7	33
Acrylonitrile	<2.20		250	269.5		ug/L		108	41 - 150	4	20
Allyl chloride	<0.700		25.0	20.62		ug/L		82	47 - 136	7	33
Benzene	<0.220		25.0	24.59		ug/L		98	48 - 125	1	20
Bromochloromethane	<0.540		25.0	24.52		ug/L		98	55 - 131	1	21
Bromodichloromethane	<0.390		25.0	23.55		ug/L		94	53 - 122	1	20
Bromoform	<0.780		25.0	22.87		ug/L		91	47 - 122	3	20
Carbon disulfide	<0.450		25.0	24.77		ug/L		99	45 - 137	4	24
Carbon tetrachloride	<0.650		25.0	22.50		ug/L		90	45 - 136	3	20
Chlorobenzene	<0.400		25.0	23.36		ug/L		93	59 - 120	2	20
Chlorodibromomethane	<0.750		25.0	20.22		ug/L		81	53 - 121	1	20
Chloroform	<1.30		25.0	24.52		ug/L		98	52 - 122	2	20
Chloroprene	<0.230		25.0	22.79		ug/L		91	48 - 136	1	20
cis-1,2-Dichloroethene	<0.210		25.0	23.02		ug/L		92	51 - 123	2	20
cis-1,3-Dichloropropene	<0.250		25.0	19.53		ug/L		78	55 - 123	6	20
Dibromomethane	<0.330		25.0	24.99		ug/L		100	57 - 122	5	20
Ethyl methacrylate	<0.680		25.0	22.53		ug/L		90	53 - 129	6	20
Ethylbenzene	<0.310		25.0	21.56		ug/L		86	53 - 120	2	20
Iodomethane	<7.00		25.0	13.97		ug/L		56	18 - 150	7	32
Methacrylonitrile	<3.30		250	252.5		ug/L		101	53 - 128	7	20
Methyl methacrylate	<0.760		50.0	51.45		ug/L		103	48 - 137	7	20
Methylene Chloride	<1.70		25.0	24.54		ug/L		98	59 - 128	3	20
Naphthalene	<3.00		25.0	20.00		ug/L		80	45 - 144	2	32
Propionitrile	<3.40		250	275.7		ug/L		110	56 - 131	8	20
Styrene	<0.370		25.0	22.29		ug/L		89	50 - 125	0	20
Tetrachloroethene	<0.480		25.0	21.07		ug/L		84	51 - 128	1	20
Toluene	<0.430		25.0	20.13		ug/L		81	52 - 120	0	20
trans-1,2-Dichloroethene	<0.270		25.0	24.22		ug/L		97	53 - 127	2	20
trans-1,3-Dichloropropene	<0.560		25.0	20.27		ug/L		81	50 - 123	2	20
trans-1,4-Dichloro-2-butene	<1.10		25.0	22.48		ug/L		90	28 - 150	11	24
Trichloroethene	<0.430		25.0	21.58		ug/L		86	50 - 128	0	20
Vinyl acetate	<2.50		50.0	45.95		ug/L		92	31 - 150	6	25
Xylenes, Total	<0.400		50.0	41.75		ug/L		84	50 - 122	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*76 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-463942/5
Matrix: Water
Analysis Batch: 463942

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/18/25 22:28	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/18/25 22:28	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/18/25 22:28	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/18/25 22:28	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/18/25 22:28	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/18/25 22:28	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/18/25 22:28	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/18/25 22:28	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/18/25 22:28	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/18/25 22:28	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/18/25 22:28	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/18/25 22:28	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/18/25 22:28	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/18/25 22:28	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/18/25 22:28	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/18/25 22:28	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/18/25 22:28	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/18/25 22:28	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/18/25 22:28	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/18/25 22:28	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/18/25 22:28	1
Acetone	<3.10		10.0	3.10	ug/L			08/18/25 22:28	1
Acrolein	<3.60		10.0	3.60	ug/L			08/18/25 22:28	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/18/25 22:28	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/18/25 22:28	1
Benzene	<0.220		0.500	0.220	ug/L			08/18/25 22:28	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/18/25 22:28	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/18/25 22:28	1
Bromoform	<0.780		5.00	0.780	ug/L			08/18/25 22:28	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/18/25 22:28	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/18/25 22:28	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/18/25 22:28	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/18/25 22:28	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/18/25 22:28	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/18/25 22:28	1
Chloroform	<1.30		3.00	1.30	ug/L			08/18/25 22:28	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/18/25 22:28	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/18/25 22:28	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/18/25 22:28	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/18/25 22:28	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/18/25 22:28	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/18/25 22:28	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/18/25 22:28	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/18/25 22:28	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/18/25 22:28	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/18/25 22:28	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/18/25 22:28	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/18/25 22:28	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-463942/5
Matrix: Water
Analysis Batch: 463942

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/18/25 22:28	1
Naphthalene	<3.00		5.00	3.00	ug/L			08/18/25 22:28	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/18/25 22:28	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/18/25 22:28	1
Styrene	<0.370		1.00	0.370	ug/L			08/18/25 22:28	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/18/25 22:28	1
Toluene	<0.430		1.00	0.430	ug/L			08/18/25 22:28	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/18/25 22:28	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/18/25 22:28	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/18/25 22:28	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/18/25 22:28	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/18/25 22:28	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/18/25 22:28	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/18/25 22:28	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/18/25 22:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*76 - 130*		*08/18/25 22:28*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/18/25 22:28*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/18/25 22:28*	*1*

Lab Sample ID: LCS 310-463942/6
Matrix: Water
Analysis Batch: 463942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.05		ug/L		95	70 - 121
1,1,1-Trichloroethane	20.0	19.27		ug/L		96	69 - 130
1,1,2,2-Tetrachloroethane	20.0	18.00		ug/L		90	70 - 122
1,1,2-Trichloroethane	20.0	18.24		ug/L		91	75 - 121
1,1-Dichloroethane	20.0	19.87		ug/L		99	69 - 127
1,1-Dichloroethene	20.0	19.37		ug/L		97	64 - 134
1,1-Dichloropropene	20.0	18.46		ug/L		92	70 - 133
1,2,3-Trichloropropane	20.0	17.80		ug/L		89	70 - 122
1,2,4-Trichlorobenzene	20.0	18.66		ug/L		93	69 - 125
1,2-Dibromo-3-Chloropropane	20.0	17.78		ug/L		89	62 - 132
1,2-Dibromoethane (EDB)	20.0	17.78		ug/L		89	74 - 122
1,2-Dichlorobenzene	20.0	18.45		ug/L		92	74 - 120
1,2-Dichloroethane	20.0	20.30		ug/L		102	68 - 125
1,2-Dichloropropane	20.0	17.60		ug/L		88	72 - 128
1,3-Dichlorobenzene	20.0	18.46		ug/L		92	71 - 120
1,3-Dichloropropane	20.0	18.26		ug/L		91	72 - 125
1,4-Dichlorobenzene	20.0	18.20		ug/L		91	72 - 120
2,2-Dichloropropane	20.0	17.44		ug/L		87	51 - 146
2-Butanone (MEK)	40.0	34.60		ug/L		87	60 - 134
2-Hexanone	40.0	40.10		ug/L		100	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	38.02		ug/L		95	62 - 136
Acetone	40.0	36.79		ug/L		92	59 - 136

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-463942/6
Matrix: Water
Analysis Batch: 463942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acrolein	94.8	78.41		ug/L		83	50 - 150
Acrylonitrile	200	189.7		ug/L		95	50 - 150
Allyl chloride	20.0	17.57		ug/L		88	61 - 136
Benzene	20.0	19.18		ug/L		96	71 - 125
Bromochloromethane	20.0	19.03		ug/L		95	69 - 131
Bromodichloromethane	20.0	17.62		ug/L		88	70 - 122
Bromoform	20.0	18.17		ug/L		91	62 - 122
Carbon disulfide	20.0	18.52		ug/L		93	58 - 137
Carbon tetrachloride	20.0	19.67		ug/L		98	63 - 136
Chlorobenzene	20.0	17.55		ug/L		88	74 - 120
Chlorodibromomethane	20.0	17.38		ug/L		87	69 - 121
Chloroform	20.0	20.29		ug/L		101	72 - 122
Chloroprene	20.0	18.76		ug/L		94	67 - 136
cis-1,2-Dichloroethene	20.0	19.67		ug/L		98	72 - 123
cis-1,3-Dichloropropene	20.0	16.60		ug/L		83	72 - 123
Dibromomethane	20.0	19.80		ug/L		99	72 - 122
Ethyl methacrylate	20.0	19.08		ug/L		95	68 - 128
Ethylbenzene	20.0	18.03		ug/L		90	75 - 120
Iodomethane	20.0	15.57		ug/L		78	18 - 150
Methacrylonitrile	200	166.0		ug/L		83	67 - 128
Methyl methacrylate	40.0	39.65		ug/L		99	69 - 129
Methylene Chloride	20.0	19.74		ug/L		99	72 - 128
Naphthalene	20.0	20.06		ug/L		100	69 - 126
Propionitrile	200	192.6		ug/L		96	68 - 131
Styrene	20.0	18.50		ug/L		92	74 - 122
Tetrachloroethene	20.0	18.72		ug/L		94	70 - 128
Toluene	20.0	17.77		ug/L		89	74 - 120
trans-1,2-Dichloroethene	20.0	19.14		ug/L		96	67 - 127
trans-1,3-Dichloropropene	20.0	16.41		ug/L		82	67 - 123
trans-1,4-Dichloro-2-butene	20.0	17.49		ug/L		87	50 - 150
Trichloroethene	20.0	17.15		ug/L		86	70 - 128
Vinyl acetate	40.0	33.94		ug/L		85	50 - 150
Xylenes, Total	40.0	35.59		ug/L		89	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*76 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*

Lab Sample ID: LCS 310-463942/7
Matrix: Water
Analysis Batch: 463942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	16.28		ug/L		81	33 - 138
Chloroethane	20.0	19.40		ug/L		97	59 - 139
Chloromethane	20.0	19.01		ug/L		95	52 - 146
Dichlorodifluoromethane	20.0	21.82		ug/L		109	45 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-463942/7
Matrix: Water
Analysis Batch: 463942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Trichlorofluoromethane			20.0	19.20		ug/L		96	55 - 150		
Vinyl chloride			20.0	20.52		ug/L		103	60 - 142		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*123*		*76 - 130*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Lab Sample ID: 310-313248-B-19 MS
Matrix: Water
Analysis Batch: 463942

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane	<0.380		25.0	21.04		ug/L		84	55 - 121		
1,1,1-Trichloroethane	<0.190		25.0	20.65		ug/L		83	53 - 130		
1,1,2,2-Tetrachloroethane	<0.470		25.0	20.10		ug/L		80	55 - 123		
1,1,2-Trichloroethane	<0.450		25.0	20.79		ug/L		83	60 - 121		
1,1-Dichloroethane	<0.220		25.0	22.30		ug/L		89	53 - 127		
1,1-Dichloroethene	<0.560		25.0	23.51		ug/L		94	51 - 134		
1,1-Dichloropropene	<0.430		25.0	20.43		ug/L		82	55 - 133		
1,2,3-Trichloropropane	<0.590		25.0	20.65		ug/L		83	56 - 122		
1,2,4-Trichlorobenzene	<0.750		25.0	21.49		ug/L		86	55 - 126		
1,2-Dibromo-3-Chloropropane	<1.20		25.0	20.45		ug/L		82	44 - 138		
1,2-Dibromoethane (EDB)	<0.340		25.0	19.81		ug/L		79	60 - 122		
1,2-Dichlorobenzene	<0.370		25.0	20.69		ug/L		83	60 - 120		
1,2-Dichloroethane	<0.390		25.0	23.19		ug/L		93	48 - 128		
1,2-Dichloropropane	<0.270		25.0	19.74		ug/L		79	59 - 128		
1,3-Dichlorobenzene	<0.300		25.0	20.97		ug/L		84	58 - 120		
1,3-Dichloropropane	<0.400		25.0	20.09		ug/L		80	58 - 125		
1,4-Dichlorobenzene	<0.230		25.0	20.93		ug/L		84	58 - 120		
2,2-Dichloropropane	<0.690		25.0	18.03		ug/L		72	34 - 146		
2-Butanone (MEK)	<2.10		50.0	34.56		ug/L		69	46 - 134		
2-Hexanone	<2.00		50.0	44.53		ug/L		89	46 - 141		
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	43.36		ug/L		87	49 - 138		
Acetone	<3.10		50.0	43.82		ug/L		88	39 - 141		
Acrolein	<3.60		119	92.84		ug/L		78	39 - 150		
Acrylonitrile	<2.20		250	216.7		ug/L		87	41 - 150		
Allyl chloride	<0.700		25.0	22.06		ug/L		88	47 - 136		
Benzene	<0.220		25.0	21.18		ug/L		85	48 - 125		
Bromochloromethane	<0.540		25.0	22.26		ug/L		89	55 - 131		
Bromodichloromethane	<0.390		25.0	19.62		ug/L		78	53 - 122		
Bromoform	<0.780		25.0	19.48		ug/L		78	47 - 122		
Carbon disulfide	<0.450	F2	25.0	23.37		ug/L		93	45 - 137		
Carbon tetrachloride	<0.650		25.0	22.45		ug/L		90	45 - 136		
Chlorobenzene	<0.400		25.0	20.21		ug/L		81	59 - 120		
Chlorodibromomethane	<0.750		25.0	18.75		ug/L		75	53 - 121		
Chloroform	<1.30		25.0	22.74		ug/L		91	52 - 122		
Chloroprene	<0.230		25.0	20.40		ug/L		82	48 - 136		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-313248-B-19 MS
Matrix: Water
Analysis Batch: 463942

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	472		25.0	334.7	4	ug/L		-547	51 - 123
cis-1,3-Dichloropropene	<0.250		25.0	18.06		ug/L		72	55 - 123
Dibromomethane	<0.330		25.0	22.10		ug/L		88	57 - 122
Ethyl methacrylate	<0.680		25.0	22.24		ug/L		89	53 - 129
Ethylbenzene	<0.310		25.0	20.97		ug/L		84	53 - 120
Iodomethane	<7.00		25.0	14.90		ug/L		60	18 - 150
Methacrylonitrile	<3.30		250	184.4		ug/L		74	53 - 128
Methyl methacrylate	<0.760		50.0	43.52		ug/L		87	48 - 137
Methylene Chloride	<1.70		25.0	23.16		ug/L		93	59 - 128
Naphthalene	<3.00		25.0	21.28		ug/L		85	45 - 144
Propionitrile	<3.40		250	215.2		ug/L		86	56 - 131
Styrene	<0.370		25.0	21.55		ug/L		86	50 - 125
Tetrachloroethene	<0.480		25.0	21.28		ug/L		85	51 - 128
Toluene	<0.430		25.0	20.18		ug/L		81	52 - 120
trans-1,2-Dichloroethene	0.328	J	25.0	22.97		ug/L		91	53 - 127
trans-1,3-Dichloropropene	<0.560		25.0	18.08		ug/L		72	50 - 123
trans-1,4-Dichloro-2-butene	<1.10		25.0	19.26		ug/L		77	28 - 150
Trichloroethene	4.61		25.0	24.47		ug/L		79	50 - 128
Vinyl acetate	<2.50		50.0	36.56		ug/L		73	31 - 150
Xylenes, Total	<0.400		50.0	42.59		ug/L		85	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*76 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*

Lab Sample ID: 310-313248-B-19 MSD
Matrix: Water
Analysis Batch: 463942

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.380		25.0	18.64		ug/L		75	55 - 121	12	20
1,1,1-Trichloroethane	<0.190		25.0	18.40		ug/L		74	53 - 130	12	20
1,1,2,2-Tetrachloroethane	<0.470		25.0	18.05		ug/L		72	55 - 123	11	20
1,1,2-Trichloroethane	<0.450		25.0	17.97		ug/L		72	60 - 121	15	20
1,1-Dichloroethane	<0.220		25.0	18.95		ug/L		76	53 - 127	16	20
1,1-Dichloroethene	<0.560		25.0	19.55		ug/L		78	51 - 134	18	20
1,1-Dichloropropene	<0.430		25.0	17.80		ug/L		71	55 - 133	14	20
1,2,3-Trichloropropane	<0.590		25.0	17.98		ug/L		72	56 - 122	14	21
1,2,4-Trichlorobenzene	<0.750		25.0	19.33		ug/L		77	55 - 126	11	20
1,2-Dibromo-3-Chloropropane	<1.20		25.0	18.02		ug/L		72	44 - 138	13	24
1,2-Dibromoethane (EDB)	<0.340		25.0	17.19		ug/L		69	60 - 122	14	20
1,2-Dichlorobenzene	<0.370		25.0	19.08		ug/L		76	60 - 120	8	20
1,2-Dichloroethane	<0.390		25.0	20.27		ug/L		81	48 - 128	13	20
1,2-Dichloropropane	<0.270		25.0	17.65		ug/L		71	59 - 128	11	20
1,3-Dichlorobenzene	<0.300		25.0	19.38		ug/L		78	58 - 120	8	20
1,3-Dichloropropane	<0.400		25.0	17.74		ug/L		71	58 - 125	12	20
1,4-Dichlorobenzene	<0.230		25.0	18.78		ug/L		75	58 - 120	11	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-313248-B-19 MSD
Matrix: Water
Analysis Batch: 463942

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,2-Dichloropropane	<0.690		25.0	15.84		ug/L		63	34 - 146	13	20
2-Butanone (MEK)	<2.10		50.0	33.65		ug/L		67	46 - 134	3	23
2-Hexanone	<2.00		50.0	40.70		ug/L		81	46 - 141	9	20
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	39.22		ug/L		78	49 - 138	10	20
Acetone	<3.10		50.0	37.27		ug/L		75	39 - 141	16	23
Acrolein	<3.60		119	83.67		ug/L		71	39 - 150	10	33
Acrylonitrile	<2.20		250	195.4		ug/L		78	41 - 150	10	20
Allyl chloride	<0.700		25.0	19.68		ug/L		79	47 - 136	11	33
Benzene	<0.220		25.0	18.48		ug/L		74	48 - 125	14	20
Bromochloromethane	<0.540		25.0	18.49		ug/L		74	55 - 131	19	21
Bromodichloromethane	<0.390		25.0	17.51		ug/L		70	53 - 122	11	20
Bromoform	<0.780		25.0	17.74		ug/L		71	47 - 122	9	20
Carbon disulfide	<0.450	F2	25.0	17.97	F2	ug/L		72	45 - 137	26	24
Carbon tetrachloride	<0.650		25.0	20.08		ug/L		80	45 - 136	11	20
Chlorobenzene	<0.400		25.0	17.13		ug/L		69	59 - 120	16	20
Chlorodibromomethane	<0.750		25.0	17.34		ug/L		69	53 - 121	8	20
Chloroform	<1.30		25.0	19.71		ug/L		79	52 - 122	14	20
Chloroprene	<0.230		25.0	18.21		ug/L		73	48 - 136	11	20
cis-1,2-Dichloroethene	472		25.0	287.4	4	ug/L		-737	51 - 123	15	20
cis-1,3-Dichloropropene	<0.250		25.0	16.10		ug/L		64	55 - 123	11	20
Dibromomethane	<0.330		25.0	19.53		ug/L		78	57 - 122	12	20
Ethyl methacrylate	<0.680		25.0	20.08		ug/L		80	53 - 129	10	20
Ethylbenzene	<0.310		25.0	18.18		ug/L		73	53 - 120	14	20
Iodomethane	<7.00		25.0	13.21		ug/L		53	18 - 150	12	32
Methacrylonitrile	<3.30		250	166.6		ug/L		67	53 - 128	10	20
Methyl methacrylate	<0.760		50.0	39.23		ug/L		78	48 - 137	10	20
Methylene Chloride	<1.70		25.0	19.61		ug/L		78	59 - 128	17	20
Naphthalene	<3.00		25.0	20.12		ug/L		80	45 - 144	6	32
Propionitrile	<3.40		250	193.0		ug/L		77	56 - 131	11	20
Styrene	<0.370		25.0	18.94		ug/L		76	50 - 125	13	20
Tetrachloroethene	<0.480		25.0	18.38		ug/L		74	51 - 128	15	20
Toluene	<0.430		25.0	17.32		ug/L		69	52 - 120	15	20
trans-1,2-Dichloroethene	0.328	J	25.0	19.43		ug/L		76	53 - 127	17	20
trans-1,3-Dichloropropene	<0.560		25.0	16.03		ug/L		64	50 - 123	12	20
trans-1,4-Dichloro-2-butene	<1.10		25.0	17.41		ug/L		70	28 - 150	10	24
Trichloroethene	4.61		25.0	20.94		ug/L		65	50 - 128	16	20
Vinyl acetate	<2.50		50.0	34.58		ug/L		69	31 - 150	6	25
Xylenes, Total	<0.400		50.0	36.70		ug/L		73	50 - 122	15	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*76 - 130*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-464079/5
Matrix: Water
Analysis Batch: 464079

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/20/25 05:38	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/20/25 05:38	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/20/25 05:38	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/20/25 05:38	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/20/25 05:38	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/20/25 05:38	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/20/25 05:38	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/20/25 05:38	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/20/25 05:38	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/20/25 05:38	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/20/25 05:38	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/20/25 05:38	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/20/25 05:38	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/20/25 05:38	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/20/25 05:38	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/20/25 05:38	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/20/25 05:38	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/20/25 05:38	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/20/25 05:38	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/20/25 05:38	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/20/25 05:38	1
Acetone	<3.10		10.0	3.10	ug/L			08/20/25 05:38	1
Acrolein	<3.60		10.0	3.60	ug/L			08/20/25 05:38	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/20/25 05:38	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/20/25 05:38	1
Benzene	<0.220		0.500	0.220	ug/L			08/20/25 05:38	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/20/25 05:38	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/20/25 05:38	1
Bromoform	<0.780		5.00	0.780	ug/L			08/20/25 05:38	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/20/25 05:38	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/20/25 05:38	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/20/25 05:38	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/20/25 05:38	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/20/25 05:38	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/20/25 05:38	1
Chloroform	<1.30		3.00	1.30	ug/L			08/20/25 05:38	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/20/25 05:38	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/20/25 05:38	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/20/25 05:38	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/20/25 05:38	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/20/25 05:38	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/20/25 05:38	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/20/25 05:38	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/20/25 05:38	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/20/25 05:38	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/20/25 05:38	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/20/25 05:38	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/20/25 05:38	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-464079/5
Matrix: Water
Analysis Batch: 464079

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/20/25 05:38	1
Naphthalene	<3.00		5.00	3.00	ug/L			08/20/25 05:38	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/20/25 05:38	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/20/25 05:38	1
Styrene	<0.370		1.00	0.370	ug/L			08/20/25 05:38	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/20/25 05:38	1
Toluene	<0.430		1.00	0.430	ug/L			08/20/25 05:38	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/20/25 05:38	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/20/25 05:38	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/20/25 05:38	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/20/25 05:38	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/20/25 05:38	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/20/25 05:38	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/20/25 05:38	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/20/25 05:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*121*		*76 - 130*		*08/20/25 05:38*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/20/25 05:38*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/20/25 05:38*	*1*

Lab Sample ID: LCS 310-464079/6
Matrix: Water
Analysis Batch: 464079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	18.97		ug/L		95	70 - 121
1,1,1-Trichloroethane	20.0	20.29		ug/L		101	69 - 130
1,1,2,2-Tetrachloroethane	20.0	18.50		ug/L		93	70 - 122
1,1,2-Trichloroethane	20.0	18.93		ug/L		95	75 - 121
1,1-Dichloroethane	20.0	21.07		ug/L		105	69 - 127
1,1-Dichloroethene	20.0	20.54		ug/L		103	64 - 134
1,1-Dichloropropene	20.0	19.27		ug/L		96	70 - 133
1,2,3-Trichloropropane	20.0	19.11		ug/L		96	70 - 122
1,2,4-Trichlorobenzene	20.0	19.51		ug/L		98	69 - 125
1,2-Dibromo-3-Chloropropane	20.0	18.75		ug/L		94	62 - 132
1,2-Dibromoethane (EDB)	20.0	18.40		ug/L		92	74 - 122
1,2-Dichlorobenzene	20.0	18.57		ug/L		93	74 - 120
1,2-Dichloroethane	20.0	20.57		ug/L		103	68 - 125
1,2-Dichloropropane	20.0	18.43		ug/L		92	72 - 128
1,3-Dichlorobenzene	20.0	18.79		ug/L		94	71 - 120
1,3-Dichloropropane	20.0	18.82		ug/L		94	72 - 125
1,4-Dichlorobenzene	20.0	18.48		ug/L		92	72 - 120
2,2-Dichloropropane	20.0	17.13		ug/L		86	51 - 146
2-Butanone (MEK)	40.0	35.69		ug/L		89	60 - 134
2-Hexanone	40.0	44.66		ug/L		112	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	42.65		ug/L		107	62 - 136
Acetone	40.0	41.85		ug/L		105	59 - 136

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-464079/6
Matrix: Water
Analysis Batch: 464079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acrolein	94.8	81.34		ug/L		86	50 - 150
Acrylonitrile	200	203.6		ug/L		102	50 - 150
Allyl chloride	20.0	18.76		ug/L		94	61 - 136
Benzene	20.0	20.13		ug/L		101	71 - 125
Bromochloromethane	20.0	19.28		ug/L		96	69 - 131
Bromodichloromethane	20.0	17.93		ug/L		90	70 - 122
Bromoform	20.0	17.62		ug/L		88	62 - 122
Carbon disulfide	20.0	19.57		ug/L		98	58 - 137
Carbon tetrachloride	20.0	20.97		ug/L		105	63 - 136
Chlorobenzene	20.0	18.01		ug/L		90	74 - 120
Chlorodibromomethane	20.0	17.70		ug/L		89	69 - 121
Chloroform	20.0	20.87		ug/L		104	72 - 122
Chloroprene	20.0	19.96		ug/L		100	67 - 136
cis-1,2-Dichloroethene	20.0	20.45		ug/L		102	72 - 123
cis-1,3-Dichloropropene	20.0	17.11		ug/L		86	72 - 123
Dibromomethane	20.0	19.62		ug/L		98	72 - 122
Ethyl methacrylate	20.0	20.83		ug/L		104	68 - 128
Ethylbenzene	20.0	18.85		ug/L		94	75 - 120
Iodomethane	20.0	11.77		ug/L		59	18 - 150
Methacrylonitrile	200	175.0		ug/L		87	67 - 128
Methyl methacrylate	40.0	40.45		ug/L		101	69 - 129
Methylene Chloride	20.0	21.19		ug/L		106	72 - 128
Naphthalene	20.0	20.48		ug/L		102	69 - 126
Propionitrile	200	203.9		ug/L		102	68 - 131
Styrene	20.0	18.07		ug/L		90	74 - 122
Tetrachloroethene	20.0	19.30		ug/L		97	70 - 128
Toluene	20.0	18.69		ug/L		93	74 - 120
trans-1,2-Dichloroethene	20.0	20.22		ug/L		101	67 - 127
trans-1,3-Dichloropropene	20.0	17.10		ug/L		86	67 - 123
trans-1,4-Dichloro-2-butene	20.0	18.11		ug/L		91	50 - 150
Trichloroethene	20.0	18.07		ug/L		90	70 - 128
Vinyl acetate	40.0	35.74		ug/L		89	50 - 150
Xylenes, Total	40.0	35.79		ug/L		89	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*76 - 130*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*

Lab Sample ID: LCS 310-464079/7
Matrix: Water
Analysis Batch: 464079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	17.59		ug/L		88	33 - 138
Chloroethane	20.0	19.69		ug/L		98	59 - 139
Chloromethane	20.0	21.35		ug/L		107	52 - 146
Dichlorodifluoromethane	20.0	21.57		ug/L		108	45 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-464079/7
Matrix: Water
Analysis Batch: 464079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Trichlorofluoromethane			20.0	18.49		ug/L		92	55 - 150		
Vinyl chloride			20.0	21.95		ug/L		110	60 - 142		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*124*		*76 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

Lab Sample ID: 310-313465-B-9 MS
Matrix: Water
Analysis Batch: 464079

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane	<0.380		25.0	20.92		ug/L		84	55 - 121		
1,1,1-Trichloroethane	<0.190		25.0	20.61		ug/L		82	53 - 130		
1,1,2,2-Tetrachloroethane	<0.470		25.0	21.38		ug/L		86	55 - 123		
1,1,2-Trichloroethane	<0.450		25.0	20.87		ug/L		83	60 - 121		
1,1-Dichloroethane	<0.220		25.0	20.89		ug/L		84	53 - 127		
1,1-Dichloroethene	<0.560		25.0	19.57		ug/L		78	51 - 134		
1,1-Dichloropropene	<0.430		25.0	20.23		ug/L		81	55 - 133		
1,2,3-Trichloropropane	<0.590		25.0	21.20		ug/L		85	56 - 122		
1,2,4-Trichlorobenzene	<0.750		25.0	21.25		ug/L		85	55 - 126		
1,2-Dibromo-3-Chloropropane	<1.20		25.0	21.13		ug/L		85	44 - 138		
1,2-Dibromoethane (EDB)	<0.340		25.0	19.89		ug/L		80	60 - 122		
1,2-Dichlorobenzene	<0.370		25.0	21.24		ug/L		85	60 - 120		
1,2-Dichloroethane	<0.390		25.0	23.02		ug/L		92	48 - 128		
1,2-Dichloropropane	<0.270		25.0	20.22		ug/L		81	59 - 128		
1,3-Dichlorobenzene	<0.300		25.0	21.25		ug/L		85	58 - 120		
1,3-Dichloropropane	<0.400		25.0	20.50		ug/L		82	58 - 125		
1,4-Dichlorobenzene	<0.230		25.0	20.79		ug/L		83	58 - 120		
2,2-Dichloropropane	<0.690		25.0	15.50		ug/L		62	34 - 146		
2-Butanone (MEK)	<2.10		50.0	41.49		ug/L		83	46 - 134		
2-Hexanone	<2.00		50.0	52.79		ug/L		106	46 - 141		
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	47.85		ug/L		96	49 - 138		
Acetone	<3.10		50.0	46.80		ug/L		94	39 - 141		
Acrolein	<3.60		119	87.55		ug/L		74	39 - 150		
Acrylonitrile	<2.20		250	225.9		ug/L		90	41 - 150		
Allyl chloride	<0.700		25.0	19.59		ug/L		78	47 - 136		
Benzene	<0.220		25.0	20.65		ug/L		83	48 - 125		
Bromochloromethane	<0.540		25.0	20.66		ug/L		83	55 - 131		
Bromodichloromethane	<0.390		25.0	19.71		ug/L		79	53 - 122		
Bromoform	<0.780		25.0	19.96		ug/L		80	47 - 122		
Carbon disulfide	<0.450		25.0	21.93		ug/L		88	45 - 137		
Carbon tetrachloride	<0.650		25.0	23.11		ug/L		92	45 - 136		
Chlorobenzene	<0.400		25.0	19.60		ug/L		78	59 - 120		
Chlorodibromomethane	<0.750		25.0	19.59		ug/L		78	53 - 121		
Chloroform	<1.30		25.0	21.84		ug/L		87	52 - 122		
Chloroprene	<0.230		25.0	20.33		ug/L		81	48 - 136		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-313465-B-9 MS
Matrix: Water
Analysis Batch: 464079

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	<0.210		25.0	20.98		ug/L		84	51 - 123
cis-1,3-Dichloropropene	<0.250		25.0	17.91		ug/L		72	55 - 123
Dibromomethane	<0.330		25.0	21.72		ug/L		87	57 - 122
Ethyl methacrylate	<0.680		25.0	23.94		ug/L		96	53 - 129
Ethylbenzene	<0.310		25.0	20.32		ug/L		81	53 - 120
Iodomethane	<7.00		25.0	11.45		ug/L		46	18 - 150
Methacrylonitrile	<3.30		250	198.4		ug/L		79	53 - 128
Methyl methacrylate	<0.760		50.0	45.66		ug/L		91	48 - 137
Methylene Chloride	<1.70		25.0	21.88		ug/L		88	59 - 128
Naphthalene	<3.00		25.0	22.14		ug/L		89	45 - 144
Propionitrile	<3.40		250	229.5		ug/L		92	56 - 131
Styrene	<0.370		25.0	21.03		ug/L		84	50 - 125
Tetrachloroethene	<0.480		25.0	20.71		ug/L		83	51 - 128
Toluene	<0.430		25.0	19.34		ug/L		77	52 - 120
trans-1,2-Dichloroethene	<0.270		25.0	20.63		ug/L		83	53 - 127
trans-1,3-Dichloropropene	<0.560		25.0	17.32		ug/L		69	50 - 123
trans-1,4-Dichloro-2-butene	<1.10		25.0	19.18		ug/L		77	28 - 150
Trichloroethene	<0.430		25.0	18.94		ug/L		76	50 - 128
Vinyl acetate	<2.50		50.0	35.48		ug/L		71	31 - 150
Xylenes, Total	<0.400		50.0	40.89		ug/L		82	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*94*		*76 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*

Lab Sample ID: 310-313465-B-9 MSD
Matrix: Water
Analysis Batch: 464079

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.380		25.0	20.05		ug/L		80	55 - 121	4	20
1,1,1-Trichloroethane	<0.190		25.0	20.26		ug/L		81	53 - 130	2	20
1,1,2,2-Tetrachloroethane	<0.470		25.0	21.14		ug/L		85	55 - 123	1	20
1,1,2-Trichloroethane	<0.450		25.0	20.13		ug/L		81	60 - 121	4	20
1,1-Dichloroethane	<0.220		25.0	20.47		ug/L		82	53 - 127	2	20
1,1-Dichloroethene	<0.560		25.0	19.95		ug/L		80	51 - 134	2	20
1,1-Dichloropropene	<0.430		25.0	19.82		ug/L		79	55 - 133	2	20
1,2,3-Trichloropropane	<0.590		25.0	20.44		ug/L		82	56 - 122	4	21
1,2,4-Trichlorobenzene	<0.750		25.0	20.65		ug/L		83	55 - 126	3	20
1,2-Dibromo-3-Chloropropane	<1.20		25.0	21.14		ug/L		85	44 - 138	0	24
1,2-Dibromoethane (EDB)	<0.340		25.0	19.16		ug/L		77	60 - 122	4	20
1,2-Dichlorobenzene	<0.370		25.0	20.41		ug/L		82	60 - 120	4	20
1,2-Dichloroethane	<0.390		25.0	21.34		ug/L		85	48 - 128	8	20
1,2-Dichloropropane	<0.270		25.0	19.15		ug/L		77	59 - 128	5	20
1,3-Dichlorobenzene	<0.300		25.0	20.54		ug/L		82	58 - 120	3	20
1,3-Dichloropropane	<0.400		25.0	19.38		ug/L		78	58 - 125	6	20
1,4-Dichlorobenzene	<0.230		25.0	20.11		ug/L		80	58 - 120	3	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-313465-B-9 MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 464079

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,2-Dichloropropane	<0.690		25.0	15.40		ug/L		62	34 - 146	1	20
2-Butanone (MEK)	<2.10		50.0	37.21		ug/L		74	46 - 134	11	23
2-Hexanone	<2.00		50.0	51.51		ug/L		103	46 - 141	2	20
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	46.68		ug/L		93	49 - 138	2	20
Acetone	<3.10		50.0	44.08		ug/L		88	39 - 141	6	23
Acrolein	<3.60		119	90.49		ug/L		76	39 - 150	3	33
Acrylonitrile	<2.20		250	218.3		ug/L		87	41 - 150	3	20
Allyl chloride	<0.700		25.0	17.53		ug/L		70	47 - 136	11	33
Benzene	<0.220		25.0	19.81		ug/L		79	48 - 125	4	20
Bromochloromethane	<0.540		25.0	19.33		ug/L		77	55 - 131	7	21
Bromodichloromethane	<0.390		25.0	19.07		ug/L		76	53 - 122	3	20
Bromoform	<0.780		25.0	20.04		ug/L		80	47 - 122	0	20
Carbon disulfide	<0.450		25.0	19.14		ug/L		77	45 - 137	14	24
Carbon tetrachloride	<0.650		25.0	22.42		ug/L		90	45 - 136	3	20
Chlorobenzene	<0.400		25.0	18.77		ug/L		75	59 - 120	4	20
Chlorodibromomethane	<0.750		25.0	18.72		ug/L		75	53 - 121	5	20
Chloroform	<1.30		25.0	20.75		ug/L		83	52 - 122	5	20
Chloroprene	<0.230		25.0	20.07		ug/L		80	48 - 136	1	20
cis-1,2-Dichloroethene	<0.210		25.0	19.93		ug/L		80	51 - 123	5	20
cis-1,3-Dichloropropene	<0.250		25.0	17.11		ug/L		68	55 - 123	5	20
Dibromomethane	<0.330		25.0	21.05		ug/L		84	57 - 122	3	20
Ethyl methacrylate	<0.680		25.0	23.26		ug/L		93	53 - 129	3	20
Ethylbenzene	<0.310		25.0	19.83		ug/L		79	53 - 120	2	20
Iodomethane	<7.00		25.0	12.04		ug/L		48	18 - 150	5	32
Methacrylonitrile	<3.30		250	193.9		ug/L		78	53 - 128	2	20
Methyl methacrylate	<0.760		50.0	45.03		ug/L		90	48 - 137	1	20
Methylene Chloride	<1.70		25.0	20.83		ug/L		83	59 - 128	5	20
Naphthalene	<3.00		25.0	21.74		ug/L		87	45 - 144	2	32
Propionitrile	<3.40		250	218.5		ug/L		87	56 - 131	5	20
Styrene	<0.370		25.0	20.19		ug/L		81	50 - 125	4	20
Tetrachloroethene	<0.480		25.0	20.45		ug/L		82	51 - 128	1	20
Toluene	<0.430		25.0	18.49		ug/L		74	52 - 120	4	20
trans-1,2-Dichloroethene	<0.270		25.0	19.74		ug/L		79	53 - 127	4	20
trans-1,3-Dichloropropene	<0.560		25.0	16.89		ug/L		68	50 - 123	3	20
trans-1,4-Dichloro-2-butene	<1.10		25.0	19.46		ug/L		78	28 - 150	1	24
Trichloroethene	<0.430		25.0	18.49		ug/L		74	50 - 128	2	20
Vinyl acetate	<2.50		50.0	34.43		ug/L		69	31 - 150	3	25
Xylenes, Total	<0.400		50.0	40.01		ug/L		80	50 - 122	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*94*		*76 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 310-464070/1-A
Matrix: Water
Analysis Batch: 464176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.540		10.0	0.540	ug/L		08/19/25 10:19	08/20/25 14:50	1
1,3-Dinitrobenzene	<3.20		10.0	3.20	ug/L		08/19/25 10:19	08/20/25 14:50	1
2,3,4,6-Tetrachlorophenol	<5.30		10.0	5.30	ug/L		08/19/25 10:19	08/20/25 14:50	1
2,4,5-Trichlorophenol	<5.30		10.0	5.30	ug/L		08/19/25 10:19	08/20/25 14:50	1
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		08/19/25 10:19	08/20/25 14:50	1
2,4-Dichlorophenol	<0.850		10.0	0.850	ug/L		08/19/25 10:19	08/20/25 14:50	1
2,4-Dimethylphenol	<0.580		10.0	0.580	ug/L		08/19/25 10:19	08/20/25 14:50	1
2,4-Dinitrophenol	<13.0		20.0	13.0	ug/L		08/19/25 10:19	08/20/25 14:50	1
2,4-Dinitrotoluene	<6.40		10.0	6.40	ug/L		08/19/25 10:19	08/20/25 14:50	1
2,6-Dichlorophenol	<0.690		10.0	0.690	ug/L		08/19/25 10:19	08/20/25 14:50	1
2,6-Dinitrotoluene	<0.520		10.0	0.520	ug/L		08/19/25 10:19	08/20/25 14:50	1
2-Chloronaphthalene	<0.640		10.0	0.640	ug/L		08/19/25 10:19	08/20/25 14:50	1
2-Chlorophenol	<0.540		10.0	0.540	ug/L		08/19/25 10:19	08/20/25 14:50	1
2-Methylnaphthalene	<0.590		10.0	0.590	ug/L		08/19/25 10:19	08/20/25 14:50	1
2-Methylphenol	<0.650		10.0	0.650	ug/L		08/19/25 10:19	08/20/25 14:50	1
2-Nitroaniline	<5.90		10.0	5.90	ug/L		08/19/25 10:19	08/20/25 14:50	1
2-Nitrophenol	<6.80		10.0	6.80	ug/L		08/19/25 10:19	08/20/25 14:50	1
3,3'-Dichlorobenzidine	<1.40		10.0	1.40	ug/L		08/19/25 10:19	08/20/25 14:50	1
3-Nitroaniline	<2.70		10.0	2.70	ug/L		08/19/25 10:19	08/20/25 14:50	1
4,6-Dinitro-2-methylphenol	<6.90		10.0	6.90	ug/L		08/19/25 10:19	08/20/25 14:50	1
4-Bromophenyl phenyl ether	<0.700		10.0	0.700	ug/L		08/19/25 10:19	08/20/25 14:50	1
4-Chloro-3-methylphenol	<0.840		10.0	0.840	ug/L		08/19/25 10:19	08/20/25 14:50	1
4-Chloroaniline	<0.620		10.0	0.620	ug/L		08/19/25 10:19	08/20/25 14:50	1
4-Chlorophenyl phenyl ether	<0.690		10.0	0.690	ug/L		08/19/25 10:19	08/20/25 14:50	1
Methylphenol, 3 & 4	<0.700		10.0	0.700	ug/L		08/19/25 10:19	08/20/25 14:50	1
4-Nitroaniline	<1.30		10.0	1.30	ug/L		08/19/25 10:19	08/20/25 14:50	1
4-Nitrophenol	<7.60		10.0	7.60	ug/L		08/19/25 10:19	08/20/25 14:50	1
Acenaphthene	<0.640		10.0	0.640	ug/L		08/19/25 10:19	08/20/25 14:50	1
Acenaphthylene	<0.720		10.0	0.720	ug/L		08/19/25 10:19	08/20/25 14:50	1
Acetophenone	<0.690		10.0	0.690	ug/L		08/19/25 10:19	08/20/25 14:50	1
Anthracene	<0.870		10.0	0.870	ug/L		08/19/25 10:19	08/20/25 14:50	1
Benzo[a]anthracene	<0.850		10.0	0.850	ug/L		08/19/25 10:19	08/20/25 14:50	1
Benzo[a]pyrene	<8.10		10.0	8.10	ug/L		08/19/25 10:19	08/20/25 14:50	1
Benzo[b]fluoranthene	<4.90		10.0	4.90	ug/L		08/19/25 10:19	08/20/25 14:50	1
Benzo[g,h,i]perylene	<6.30		10.0	6.30	ug/L		08/19/25 10:19	08/20/25 14:50	1
Benzo[k]fluoranthene	<2.20		10.0	2.20	ug/L		08/19/25 10:19	08/20/25 14:50	1
Benzyl alcohol	<1.30		10.0	1.30	ug/L		08/19/25 10:19	08/20/25 14:50	1
Bis(2-chloroethoxy)methane	<0.760		10.0	0.760	ug/L		08/19/25 10:19	08/20/25 14:50	1
Bis(2-chloroethyl)ether	<0.820		10.0	0.820	ug/L		08/19/25 10:19	08/20/25 14:50	1
2,2'-oxybis[1-chloropropane]	<0.540		10.0	0.540	ug/L		08/19/25 10:19	08/20/25 14:50	1
Bis(2-ethylhexyl) phthalate	<5.50		10.0	5.50	ug/L		08/19/25 10:19	08/20/25 14:50	1
Butyl benzyl phthalate	<5.40		10.0	5.40	ug/L		08/19/25 10:19	08/20/25 14:50	1
Chrysene	<0.870		10.0	0.870	ug/L		08/19/25 10:19	08/20/25 14:50	1
Dibenzo(a,h)anthracene	<3.90		10.0	3.90	ug/L		08/19/25 10:19	08/20/25 14:50	1
Dibenzofuran	<0.740		10.0	0.740	ug/L		08/19/25 10:19	08/20/25 14:50	1
Diethyl phthalate	<1.70		10.0	1.70	ug/L		08/19/25 10:19	08/20/25 14:50	1
Dimethyl phthalate	<1.00		10.0	1.00	ug/L		08/19/25 10:19	08/20/25 14:50	1
Di-n-butyl phthalate	<5.60		10.0	5.60	ug/L		08/19/25 10:19	08/20/25 14:50	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-464070/1-A
Matrix: Water
Analysis Batch: 464176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	<7.00		20.0	7.00	ug/L		08/19/25 10:19	08/20/25 14:50	1
Diphenylamine	<6.00		10.0	6.00	ug/L		08/19/25 10:19	08/20/25 14:50	1
Fluoranthene	<1.70		10.0	1.70	ug/L		08/19/25 10:19	08/20/25 14:50	1
Fluorene	<0.790		10.0	0.790	ug/L		08/19/25 10:19	08/20/25 14:50	1
Hexachlorobenzene	<0.700		10.0	0.700	ug/L		08/19/25 10:19	08/20/25 14:50	1
Hexachlorobutadiene	<0.860		10.0	0.860	ug/L		08/19/25 10:19	08/20/25 14:50	1
Hexachlorocyclopentadiene	<5.10		10.0	5.10	ug/L		08/19/25 10:19	08/20/25 14:50	1
Hexachloroethane	<0.970		10.0	0.970	ug/L		08/19/25 10:19	08/20/25 14:50	1
Indeno[1,2,3-cd]pyrene	<4.20		10.0	4.20	ug/L		08/19/25 10:19	08/20/25 14:50	1
Isophorone	<0.930		10.0	0.930	ug/L		08/19/25 10:19	08/20/25 14:50	1
Nitrobenzene	<0.800		10.0	0.800	ug/L		08/19/25 10:19	08/20/25 14:50	1
N-Nitrosodimethylamine	<0.720		10.0	0.720	ug/L		08/19/25 10:19	08/20/25 14:50	1
N-Nitrosodi-n-propylamine	<0.920		10.0	0.920	ug/L		08/19/25 10:19	08/20/25 14:50	1
N-Nitrosodiphenylamine	<0.750		10.0	0.750	ug/L		08/19/25 10:19	08/20/25 14:50	1
Pentachlorophenol	<9.60		10.0	9.60	ug/L		08/19/25 10:19	08/20/25 14:50	1
Phenanthrene	<0.790		10.0	0.790	ug/L		08/19/25 10:19	08/20/25 14:50	1
Phenol	<1.10		10.0	1.10	ug/L		08/19/25 10:19	08/20/25 14:50	1
Pyrene	<0.790		10.0	0.790	ug/L		08/19/25 10:19	08/20/25 14:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*71*		*21 - 110*	*08/19/25 10:19*	*08/20/25 14:50*	*1*
Phenol-d5 (Surr)	*58*		*21 - 110*	*08/19/25 10:19*	*08/20/25 14:50*	*1*
Nitrobenzene-d5 (Surr)	*91*		*39 - 140*	*08/19/25 10:19*	*08/20/25 14:50*	*1*
2-Fluorobiphenyl (Surr)	*80*		*33 - 126*	*08/19/25 10:19*	*08/20/25 14:50*	*1*
2,4,6-Tribromophenol (Surr)	*104*		*20 - 144*	*08/19/25 10:19*	*08/20/25 14:50*	*1*
Terphenyl-d14 (Surr)	*100*		*13 - 150*	*08/19/25 10:19*	*08/20/25 14:50*	*1*

Lab Sample ID: MB 310-464070/1-A
Matrix: Water
Analysis Batch: 464682

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.540		10.0	0.540	ug/L		08/19/25 10:19	08/25/25 22:41	1
1,3,5-Trinitrobenzene	<2.30		10.0	2.30	ug/L		08/19/25 10:19	08/25/25 22:41	1
1,3-Dinitrobenzene	<3.20		10.0	3.20	ug/L		08/19/25 10:19	08/25/25 22:41	1
1,4-Naphthoquinone	<3.60		10.0	3.60	ug/L		08/19/25 10:19	08/25/25 22:41	1
1,4-phenylenediamine	<1.90		10.0	1.90	ug/L		08/19/25 10:19	08/25/25 22:41	1
1-Naphthylamine	<2.50		10.0	2.50	ug/L		08/19/25 10:19	08/25/25 22:41	1
2,3,4,6-Tetrachlorophenol	<5.30		10.0	5.30	ug/L		08/19/25 10:19	08/25/25 22:41	1
2,4,5-Trichlorophenol	<5.30		10.0	5.30	ug/L		08/19/25 10:19	08/25/25 22:41	1
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		08/19/25 10:19	08/25/25 22:41	1
2,4-Dichlorophenol	<0.850		10.0	0.850	ug/L		08/19/25 10:19	08/25/25 22:41	1
2,4-Dimethylphenol	<0.580		10.0	0.580	ug/L		08/19/25 10:19	08/25/25 22:41	1
2,4-Dinitrophenol	<13.0		20.0	13.0	ug/L		08/19/25 10:19	08/25/25 22:41	1
2,4-Dinitrotoluene	<6.40		10.0	6.40	ug/L		08/19/25 10:19	08/25/25 22:41	1
2,6-Dichlorophenol	<0.690		10.0	0.690	ug/L		08/19/25 10:19	08/25/25 22:41	1
2,6-Dinitrotoluene	<0.520		10.0	0.520	ug/L		08/19/25 10:19	08/25/25 22:41	1
2-Acetylaminofluorene	<2.70		10.0	2.70	ug/L		08/19/25 10:19	08/25/25 22:41	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-464070/1-A
Matrix: Water
Analysis Batch: 464682

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	<0.640		10.0	0.640	ug/L		08/19/25 10:19	08/25/25 22:41	1
2-Chlorophenol	<0.540		10.0	0.540	ug/L		08/19/25 10:19	08/25/25 22:41	1
2-Methylnaphthalene	<0.590		10.0	0.590	ug/L		08/19/25 10:19	08/25/25 22:41	1
2-Methylphenol	<0.650		10.0	0.650	ug/L		08/19/25 10:19	08/25/25 22:41	1
2-Naphthylamine	<2.10		10.0	2.10	ug/L		08/19/25 10:19	08/25/25 22:41	1
2-Nitroaniline	<5.90		10.0	5.90	ug/L		08/19/25 10:19	08/25/25 22:41	1
2-Nitrophenol	<6.80		10.0	6.80	ug/L		08/19/25 10:19	08/25/25 22:41	1
3,3'-Dichlorobenzidine	<1.40		10.0	1.40	ug/L		08/19/25 10:19	08/25/25 22:41	1
3,3'-Dimethylbenzidine	<1.50		10.0	1.50	ug/L		08/19/25 10:19	08/25/25 22:41	1
3-Methylcholanthrene	<0.320		10.0	0.320	ug/L		08/19/25 10:19	08/25/25 22:41	1
3-Nitroaniline	<2.70		10.0	2.70	ug/L		08/19/25 10:19	08/25/25 22:41	1
4,6-Dinitro-2-methylphenol	<6.90		10.0	6.90	ug/L		08/19/25 10:19	08/25/25 22:41	1
4-Aminobiphenyl	<2.20		10.0	2.20	ug/L		08/19/25 10:19	08/25/25 22:41	1
4-Bromophenyl phenyl ether	<0.700		10.0	0.700	ug/L		08/19/25 10:19	08/25/25 22:41	1
4-Chloro-3-methylphenol	<0.840		10.0	0.840	ug/L		08/19/25 10:19	08/25/25 22:41	1
4-Chloroaniline	<0.620		10.0	0.620	ug/L		08/19/25 10:19	08/25/25 22:41	1
4-Chlorophenyl phenyl ether	<0.690		10.0	0.690	ug/L		08/19/25 10:19	08/25/25 22:41	1
Methylphenol, 3 & 4	<0.700		10.0	0.700	ug/L		08/19/25 10:19	08/25/25 22:41	1
4-Nitroaniline	<1.30		10.0	1.30	ug/L		08/19/25 10:19	08/25/25 22:41	1
4-Nitrophenol	<7.60		10.0	7.60	ug/L		08/19/25 10:19	08/25/25 22:41	1
5-Nitro-o-toluidine	<2.80		10.0	2.80	ug/L		08/19/25 10:19	08/25/25 22:41	1
7,12-Dimethylbenz(a)anthracene	<1.90		10.0	1.90	ug/L		08/19/25 10:19	08/25/25 22:41	1
Acenaphthene	<0.640		10.0	0.640	ug/L		08/19/25 10:19	08/25/25 22:41	1
Acenaphthylene	<0.720		10.0	0.720	ug/L		08/19/25 10:19	08/25/25 22:41	1
Acetophenone	<0.690		10.0	0.690	ug/L		08/19/25 10:19	08/25/25 22:41	1
Anthracene	<0.870		10.0	0.870	ug/L		08/19/25 10:19	08/25/25 22:41	1
Benzo[a]anthracene	<0.850		10.0	0.850	ug/L		08/19/25 10:19	08/25/25 22:41	1
Benzo[a]pyrene	<8.10		10.0	8.10	ug/L		08/19/25 10:19	08/25/25 22:41	1
Benzo[b]fluoranthene	<4.90		10.0	4.90	ug/L		08/19/25 10:19	08/25/25 22:41	1
Benzo[g,h,i]perylene	<6.30		10.0	6.30	ug/L		08/19/25 10:19	08/25/25 22:41	1
Benzo[k]fluoranthene	<2.20		10.0	2.20	ug/L		08/19/25 10:19	08/25/25 22:41	1
Benzyl alcohol	<1.30		10.0	1.30	ug/L		08/19/25 10:19	08/25/25 22:41	1
Bis(2-chloroethoxy)methane	<0.760		10.0	0.760	ug/L		08/19/25 10:19	08/25/25 22:41	1
Bis(2-chloroethyl)ether	<0.820		10.0	0.820	ug/L		08/19/25 10:19	08/25/25 22:41	1
2,2'-oxybis[1-chloropropane]	<0.540		10.0	0.540	ug/L		08/19/25 10:19	08/25/25 22:41	1
Bis(2-ethylhexyl) phthalate	<5.50		10.0	5.50	ug/L		08/19/25 10:19	08/25/25 22:41	1
Butyl benzyl phthalate	<5.40		10.0	5.40	ug/L		08/19/25 10:19	08/25/25 22:41	1
Chlorobenzilate	<3.60		10.0	3.60	ug/L		08/19/25 10:19	08/25/25 22:41	1
Chrysene	<0.870		10.0	0.870	ug/L		08/19/25 10:19	08/25/25 22:41	1
Diallate	<4.00		10.0	4.00	ug/L		08/19/25 10:19	08/25/25 22:41	1
Dibenzo(a,h)anthracene	<3.90		10.0	3.90	ug/L		08/19/25 10:19	08/25/25 22:41	1
Dibenzofuran	<0.740		10.0	0.740	ug/L		08/19/25 10:19	08/25/25 22:41	1
Diethyl phthalate	<1.70		10.0	1.70	ug/L		08/19/25 10:19	08/25/25 22:41	1
Dimethoate	<3.60		10.0	3.60	ug/L		08/19/25 10:19	08/25/25 22:41	1
Dimethyl phthalate	<1.00		10.0	1.00	ug/L		08/19/25 10:19	08/25/25 22:41	1
Di-n-butyl phthalate	<5.60		10.0	5.60	ug/L		08/19/25 10:19	08/25/25 22:41	1
Di-n-octyl phthalate	<7.00		20.0	7.00	ug/L		08/19/25 10:19	08/25/25 22:41	1
Dinoseb	<2.40		10.0	2.40	ug/L		08/19/25 10:19	08/25/25 22:41	1
Diphenylamine	<6.00		10.0	6.00	ug/L		08/19/25 10:19	08/25/25 22:41	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-464070/1-A
Matrix: Water
Analysis Batch: 464682

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Disulfoton	<2.40		10.0	2.40	ug/L		08/19/25 10:19	08/25/25 22:41	1
Ethyl methanesulfonate	<3.60		10.0	3.60	ug/L		08/19/25 10:19	08/25/25 22:41	1
Ethyl Parathion	<2.20		10.0	2.20	ug/L		08/19/25 10:19	08/25/25 22:41	1
Famphur	<3.80		10.0	3.80	ug/L		08/19/25 10:19	08/25/25 22:41	1
Fluoranthene	<1.70		10.0	1.70	ug/L		08/19/25 10:19	08/25/25 22:41	1
Fluorene	<0.790		10.0	0.790	ug/L		08/19/25 10:19	08/25/25 22:41	1
Hexachlorobenzene	<0.700		10.0	0.700	ug/L		08/19/25 10:19	08/25/25 22:41	1
Hexachlorobutadiene	<0.860		10.0	0.860	ug/L		08/19/25 10:19	08/25/25 22:41	1
Hexachlorocyclopentadiene	<5.10		10.0	5.10	ug/L		08/19/25 10:19	08/25/25 22:41	1
Hexachloroethane	<0.970		10.0	0.970	ug/L		08/19/25 10:19	08/25/25 22:41	1
Hexachloropropene	<2.60		10.0	2.60	ug/L		08/19/25 10:19	08/25/25 22:41	1
Indeno[1,2,3-cd]pyrene	<4.20		10.0	4.20	ug/L		08/19/25 10:19	08/25/25 22:41	1
Isodrin	<4.70		10.0	4.70	ug/L		08/19/25 10:19	08/25/25 22:41	1
Isophorone	<0.930		10.0	0.930	ug/L		08/19/25 10:19	08/25/25 22:41	1
Isosafrole	<2.30		10.0	2.30	ug/L		08/19/25 10:19	08/25/25 22:41	1
Kepone	<1.00		10.0	1.00	ug/L		08/19/25 10:19	08/25/25 22:41	1
Methapyrilene	<0.760		10.0	0.760	ug/L		08/19/25 10:19	08/25/25 22:41	1
Methyl methanesulfonate	<3.30		10.0	3.30	ug/L		08/19/25 10:19	08/25/25 22:41	1
Methyl parathion	<2.30		10.0	2.30	ug/L		08/19/25 10:19	08/25/25 22:41	1
Nitrobenzene	<0.800		10.0	0.800	ug/L		08/19/25 10:19	08/25/25 22:41	1
N-Nitrosodiethylamine	<3.40		10.0	3.40	ug/L		08/19/25 10:19	08/25/25 22:41	1
N-Nitrosodimethylamine	<0.720		10.0	0.720	ug/L		08/19/25 10:19	08/25/25 22:41	1
N-Nitrosodi-n-butylamine	<3.90		10.0	3.90	ug/L		08/19/25 10:19	08/25/25 22:41	1
N-Nitrosodi-n-propylamine	<0.920		10.0	0.920	ug/L		08/19/25 10:19	08/25/25 22:41	1
N-Nitrosodiphenylamine	<0.750		10.0	0.750	ug/L		08/19/25 10:19	08/25/25 22:41	1
N-Nitrosomethylethylamine	<4.90		10.0	4.90	ug/L		08/19/25 10:19	08/25/25 22:41	1
N-Nitrosopiperidine	<2.70		10.0	2.70	ug/L		08/19/25 10:19	08/25/25 22:41	1
N-Nitrosopyrrolidine	<3.60		10.0	3.60	ug/L		08/19/25 10:19	08/25/25 22:41	1
o,o',o''-Triethylphosphorothioate	<3.20		10.0	3.20	ug/L		08/19/25 10:19	08/25/25 22:41	1
o-Toluidine	<2.90		10.0	2.90	ug/L		08/19/25 10:19	08/25/25 22:41	1
p-Dimethylamino azobenzene	<2.20		10.0	2.20	ug/L		08/19/25 10:19	08/25/25 22:41	1
Pentachlorobenzene	<2.80		10.0	2.80	ug/L		08/19/25 10:19	08/25/25 22:41	1
Pentachloronitrobenzene	<5.80		10.0	5.80	ug/L		08/19/25 10:19	08/25/25 22:41	1
Pentachlorophenol	<9.60		10.0	9.60	ug/L		08/19/25 10:19	08/25/25 22:41	1
Phenacetin	<1.90		10.0	1.90	ug/L		08/19/25 10:19	08/25/25 22:41	1
Phenanthrene	<0.790		10.0	0.790	ug/L		08/19/25 10:19	08/25/25 22:41	1
Phenol	<1.10		10.0	1.10	ug/L		08/19/25 10:19	08/25/25 22:41	1
Phorate	<3.20		10.0	3.20	ug/L		08/19/25 10:19	08/25/25 22:41	1
Pronamide	<2.70		10.0	2.70	ug/L		08/19/25 10:19	08/25/25 22:41	1
Pyrene	<0.790		10.0	0.790	ug/L		08/19/25 10:19	08/25/25 22:41	1
Safrole	<2.80		10.0	2.80	ug/L		08/19/25 10:19	08/25/25 22:41	1
Thionazin	<3.50		10.0	3.50	ug/L		08/19/25 10:19	08/25/25 22:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*70*		*21 - 110*	*08/19/25 10:19*	*08/25/25 22:41*	*1*
Phenol-d5 (Surr)	*60*		*21 - 110*	*08/19/25 10:19*	*08/25/25 22:41*	*1*
Nitrobenzene-d5 (Surr)	*95*		*39 - 140*	*08/19/25 10:19*	*08/25/25 22:41*	*1*
2-Fluorobiphenyl (Surr)	*90*		*33 - 126*	*08/19/25 10:19*	*08/25/25 22:41*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-464070/1-A
Matrix: Water
Analysis Batch: 464682

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464070

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*89*		*20 - 144*	*08/19/25 10:19*	*08/25/25 22:41*	*1*
Terphenyl-d14 (Surr)	*104*		*13 - 150*	*08/19/25 10:19*	*08/25/25 22:41*	*1*

Lab Sample ID: LCS 310-464070/2-A
Matrix: Water
Analysis Batch: 464176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464070

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4,5-Tetrachlorobenzene	100	71.04		ug/L		71	35 - 110
1,3-Dinitrobenzene	100	85.88		ug/L		86	36 - 147
2,3,4,6-Tetrachlorophenol	100	80.22		ug/L		80	32 - 142
2,4,5-Trichlorophenol	100	79.76		ug/L		80	39 - 136
2,4,6-Trichlorophenol	100	81.76		ug/L		82	35 - 141
2,4-Dichlorophenol	100	87.81		ug/L		88	44 - 131
2,4-Dimethylphenol	100	84.62		ug/L		85	30 - 128
2,4-Dinitrophenol	200	134.1		ug/L		67	10 - 150
2,4-Dinitrotoluene	100	84.56		ug/L		85	48 - 136
2,6-Dichlorophenol	100	87.61		ug/L		88	41 - 131
2,6-Dinitrotoluene	100	82.81		ug/L		83	49 - 135
2-Chloronaphthalene	100	72.06		ug/L		72	33 - 112
2-Chlorophenol	100	77.79		ug/L		78	43 - 119
2-Methylnaphthalene	100	74.68		ug/L		75	35 - 110
2-Methylphenol	100	78.15		ug/L		78	47 - 114
2-Nitroaniline	100	82.91		ug/L		83	48 - 135
2-Nitrophenol	100	89.46		ug/L		89	36 - 144
3-Nitroaniline	100	90.65		ug/L		91	38 - 142
4,6-Dinitro-2-methylphenol	200	163.7		ug/L		82	22 - 150
4-Bromophenyl phenyl ether	100	82.81		ug/L		83	41 - 131
4-Chloro-3-methylphenol	100	88.29		ug/L		88	51 - 132
4-Chloroaniline	100	64.29		ug/L		64	13 - 143
4-Chlorophenyl phenyl ether	100	80.26		ug/L		80	44 - 118
Methylphenol, 3 & 4	100	74.37		ug/L		74	45 - 114
4-Nitroaniline	100	84.10		ug/L		84	33 - 141
4-Nitrophenol	200	96.20		ug/L		48	22 - 110
Acenaphthene	100	77.95		ug/L		78	38 - 118
Acenaphthylene	100	77.94		ug/L		78	39 - 115
Acetophenone	100	79.33		ug/L		79	47 - 118
Anthracene	100	84.33		ug/L		84	49 - 127
Benzo[a]anthracene	100	81.87		ug/L		82	49 - 126
Benzo[a]pyrene	100	81.17		ug/L		81	44 - 133
Benzo[b]fluoranthene	100	83.47		ug/L		83	44 - 136
Benzo[g,h,i]perylene	100	77.85		ug/L		78	42 - 135
Benzo[k]fluoranthene	100	92.13		ug/L		92	49 - 134
Benzyl alcohol	100	77.26		ug/L		77	46 - 123
Bis(2-chloroethoxy)methane	100	76.81		ug/L		77	44 - 126
Bis(2-chloroethyl)ether	100	70.74		ug/L		71	41 - 116
2,2'-oxybis[1-chloropropane]	100	64.45		ug/L		64	36 - 115
Bis(2-ethylhexyl) phthalate	100	82.55		ug/L		83	46 - 138

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464070/2-A
Matrix: Water
Analysis Batch: 464176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464070

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Butyl benzyl phthalate	100	88.29		ug/L		88	47 - 133
Chrysene	100	84.21		ug/L		84	50 - 128
Dibenzo(a,h)anthracene	100	79.83		ug/L		80	36 - 146
Dibenzofuran	100	78.55		ug/L		79	44 - 114
Diethyl phthalate	100	90.16		ug/L		90	43 - 135
Dimethyl phthalate	100	88.71		ug/L		89	46 - 129
Di-n-butyl phthalate	100	84.06		ug/L		84	49 - 138
Di-n-octyl phthalate	100	82.44		ug/L		82	33 - 148
Fluoranthene	100	85.60		ug/L		86	49 - 132
Fluorene	100	79.18		ug/L		79	46 - 118
Hexachlorobenzene	100	82.46		ug/L		82	42 - 134
Hexachlorobutadiene	100	63.72		ug/L		64	29 - 110
Hexachlorocyclopentadiene	100	50.55		ug/L		51	10 - 110
Hexachloroethane	100	54.89		ug/L		55	25 - 110
Indeno[1,2,3-cd]pyrene	100	79.22		ug/L		79	36 - 149
Isophorone	100	85.69		ug/L		86	46 - 126
Nitrobenzene	100	78.12		ug/L		78	42 - 123
N-Nitrosodimethylamine	100	53.87		ug/L		54	37 - 110
N-Nitrosodi-n-propylamine	100	79.41		ug/L		79	44 - 124
N-Nitrosodiphenylamine	100	85.06		ug/L		85	43 - 132
Pentachlorophenol	200	128.2		ug/L		64	28 - 142
Phenanthrene	100	80.96		ug/L		81	48 - 126
Phenol	100	51.65		ug/L		52	29 - 110
Pyrene	100	82.85		ug/L		83	45 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*74*		*21 - 110*
Phenol-d5 (Surr)	*63*		*21 - 110*
Nitrobenzene-d5 (Surr)	*89*		*39 - 140*
2-Fluorobiphenyl (Surr)	*86*		*33 - 126*
2,4,6-Tribromophenol (Surr)	*110*		*20 - 144*
Terphenyl-d14 (Surr)	*109*		*13 - 150*

Lab Sample ID: LCS 310-464070/2-A
Matrix: Water
Analysis Batch: 464682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464070

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4,5-Tetrachlorobenzene	100	77.74		ug/L		78	35 - 110
1,3,5-Trinitrobenzene	51.2	40.94		ug/L		80	26 - 150
1,3-Dinitrobenzene	100	92.96		ug/L		93	36 - 147
1,4-Naphthoquinone	51.2	44.50		ug/L		87	38 - 137
1,4-phenylenediamine	51.2	<1.90	*-	ug/L		0	20 - 120
1-Naphthylamine	51.2	14.51		ug/L		28	10 - 110
2,3,4,6-Tetrachlorophenol	100	95.56		ug/L		96	32 - 142
2,4,5-Trichlorophenol	100	92.94		ug/L		93	39 - 136
2,4,6-Trichlorophenol	100	93.58		ug/L		94	35 - 141
2,4-Dichlorophenol	100	96.74		ug/L		97	44 - 131

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464070/2-A
Matrix: Water
Analysis Batch: 464682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464070

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	100	99.70		ug/L		100	30 - 128
2,4-Dinitrophenol	200	162.8		ug/L		81	10 - 150
2,4-Dinitrotoluene	100	98.37		ug/L		98	48 - 136
2,6-Dichlorophenol	100	95.64		ug/L		96	41 - 131
2,6-Dinitrotoluene	100	91.49		ug/L		91	49 - 135
2-Acetylaminofluorene	51.2	39.13		ug/L		76	37 - 149
2-Chloronaphthalene	100	77.37		ug/L		77	33 - 112
2-Chlorophenol	100	91.39		ug/L		91	43 - 119
2-Methylnaphthalene	100	81.50		ug/L		81	35 - 110
2-Methylphenol	100	89.34		ug/L		89	47 - 114
2-Naphthylamine	51.2	21.32		ug/L		42	18 - 111
2-Nitroaniline	100	86.69		ug/L		87	48 - 135
2-Nitrophenol	100	98.77		ug/L		99	36 - 144
3,3'-Dimethylbenzidine	51.2	4.209	J *-	ug/L		8	10 - 147
3-Methylcholanthrene	51.2	40.06		ug/L		78	13 - 140
3-Nitroaniline	100	98.13		ug/L		98	38 - 142
4,6-Dinitro-2-methylphenol	200	174.2		ug/L		87	22 - 150
4-Aminobiphenyl	51.2	16.23		ug/L		32	23 - 123
4-Bromophenyl phenyl ether	100	90.87		ug/L		91	41 - 131
4-Chloro-3-methylphenol	100	101.5		ug/L		102	51 - 132
4-Chloroaniline	100	73.56		ug/L		74	13 - 143
4-Chlorophenyl phenyl ether	100	86.07		ug/L		86	44 - 118
Methylphenol, 3 & 4	100	87.74		ug/L		88	45 - 114
4-Nitroaniline	100	92.79		ug/L		93	33 - 141
4-Nitrophenol	200	117.8		ug/L		59	22 - 110
5-Nitro-o-toluidine	51.2	47.32		ug/L		92	43 - 139
7,12-Dimethylbenz(a)anthracene	51.2	36.66		ug/L		72	47 - 129
Acenaphthene	100	85.97		ug/L		86	38 - 118
Acenaphthylene	100	84.29		ug/L		84	39 - 115
Acetophenone	100	92.26		ug/L		92	47 - 118
Anthracene	100	96.87		ug/L		97	49 - 127
Benzo[a]anthracene	100	93.70		ug/L		94	49 - 126
Benzo[a]pyrene	100	90.06		ug/L		90	44 - 133
Benzo[b]fluoranthene	100	93.72		ug/L		94	44 - 136
Benzo[g,h,i]perylene	100	92.99		ug/L		93	42 - 135
Benzo[k]fluoranthene	100	102.5		ug/L		103	49 - 134
Benzyl alcohol	100	95.75		ug/L		96	46 - 123
Bis(2-chloroethoxy)methane	100	93.58		ug/L		94	44 - 126
Bis(2-chloroethyl)ether	100	83.75		ug/L		84	41 - 116
2,2'-oxybis[1-chloropropane]	100	89.15		ug/L		89	36 - 115
Bis(2-ethylhexyl) phthalate	100	100.3		ug/L		100	46 - 138
Butyl benzyl phthalate	100	91.78		ug/L		92	47 - 133
Chlorobenzilate	51.2	49.38		ug/L		96	39 - 145
Chrysene	100	94.13		ug/L		94	50 - 128
Diallate	44.8	52.58		ug/L		117	40 - 135
Dibenzo(a,h)anthracene	100	90.80		ug/L		91	36 - 146
Dibenzofuran	100	89.22		ug/L		89	44 - 114
Diethyl phthalate	100	94.44		ug/L		94	43 - 135
Dimethoate	44.8	53.99		ug/L		121	31 - 150

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464070/2-A
Matrix: Water
Analysis Batch: 464682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464070

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dimethyl phthalate	100	94.04		ug/L		94	46 - 129
Di-n-butyl phthalate	100	93.57		ug/L		94	49 - 138
Di-n-octyl phthalate	100	83.07		ug/L		83	33 - 148
Dinoseb	51.2	40.55		ug/L		79	22 - 150
Disulfoton	44.8	47.50		ug/L		106	27 - 138
Ethyl methanesulfonate	51.2	38.22		ug/L		75	44 - 110
Ethyl Parathion	44.8	54.62		ug/L		122	52 - 141
Famphur	44.8	57.82		ug/L		129	67 - 150
Fluoranthene	100	91.38		ug/L		91	49 - 132
Fluorene	100	91.63		ug/L		92	46 - 118
Hexachlorobenzene	100	89.63		ug/L		90	42 - 134
Hexachlorobutadiene	100	72.82		ug/L		73	29 - 110
Hexachlorocyclopentadiene	100	57.17		ug/L		57	10 - 110
Hexachloroethane	100	57.96		ug/L		58	25 - 110
Hexachloropropene	51.2	9.095	J	ug/L		18	10 - 110
Indeno[1,2,3-cd]pyrene	100	91.96		ug/L		92	36 - 149
Isodrin	51.2	43.66		ug/L		85	50 - 122
Isophorone	100	96.38		ug/L		96	46 - 126
Methapyrilene	44.8	1.551	J *-	ug/L		3	10 - 110
Methyl methanesulfonate	51.2	27.90		ug/L		54	16 - 110
Methyl parathion	44.8	59.47		ug/L		133	49 - 150
Nitrobenzene	100	91.37		ug/L		91	42 - 123
N-Nitrosodiethylamine	51.2	39.16		ug/L		76	51 - 116
N-Nitrosodimethylamine	100	79.54		ug/L		80	37 - 110
N-Nitrosodi-n-butylamine	51.2	51.52		ug/L		101	49 - 135
N-Nitrosodi-n-propylamine	100	96.14		ug/L		96	44 - 124
N-Nitrosodiphenylamine	100	96.42		ug/L		96	43 - 132
N-Nitrosomethylethylamine	51.2	39.75		ug/L		78	43 - 114
N-Nitrosopiperidine	51.2	41.86		ug/L		82	50 - 120
N-Nitrosopyrrolidine	51.2	41.89		ug/L		82	47 - 129
o,o',o''-Triethylphosphorothioate	44.8	48.11		ug/L		107	34 - 125
o-Toluidine	51.2	25.38		ug/L		50	19 - 128
p-Dimethylamino azobenzene	51.2	43.33		ug/L		85	45 - 133
Pentachlorobenzene	51.2	34.63		ug/L		68	27 - 112
Pentachloronitrobenzene	51.2	45.22		ug/L		88	45 - 132
Pentachlorophenol	200	160.5		ug/L		80	28 - 142
Phenacetin	51.2	46.67		ug/L		91	51 - 139
Phenanthrene	100	91.86		ug/L		92	48 - 126
Phenol	100	63.50		ug/L		63	29 - 110
Phorate	44.8	47.40		ug/L		106	21 - 147
Pronamide	51.2	46.54		ug/L		91	52 - 135
Pyrene	100	98.86		ug/L		99	45 - 134
Safrole	44.8	45.01		ug/L		100	26 - 117
Thionazin	44.8	53.01		ug/L		118	48 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*76*		*21 - 110*
Phenol-d5 (Surr)	*63*		*21 - 110*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464070/2-A
Matrix: Water
Analysis Batch: 464682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464070

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	94		39 - 140
2-Fluorobiphenyl (Surr)	83		33 - 126
2,4,6-Tribromophenol (Surr)	101		20 - 144
Terphenyl-d14 (Surr)	103		13 - 150

Lab Sample ID: LCSD 310-464070/3-A
Matrix: Water
Analysis Batch: 464176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464070

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene			100	55.83		ug/L		56	35 - 110	24	35
1,3-Dinitrobenzene			100	64.88		ug/L		65	36 - 147	28	35
2,3,4,6-Tetrachlorophenol			100	60.88		ug/L		61	32 - 142	27	35
2,4,5-Trichlorophenol			100	59.73		ug/L		60	39 - 136	29	35
2,4,6-Trichlorophenol			100	61.62		ug/L		62	35 - 141	28	35
2,4-Dichlorophenol			100	66.45		ug/L		66	44 - 131	28	35
2,4-Dimethylphenol			100	64.03		ug/L		64	30 - 128	28	35
2,4-Dinitrophenol			200	87.74	*1	ug/L		44	10 - 150	42	35
2,4-Dinitrotoluene			100	63.21		ug/L		63	48 - 136	29	35
2,6-Dichlorophenol			100	67.27		ug/L		67	41 - 131	26	35
2,6-Dinitrotoluene			100	62.88		ug/L		63	49 - 135	27	35
2-Chloronaphthalene			100	55.16		ug/L		55	33 - 112	27	35
2-Chlorophenol			100	59.04		ug/L		59	43 - 119	27	35
2-Methylnaphthalene			100	56.57		ug/L		57	35 - 110	28	35
2-Methylphenol			100	59.93		ug/L		60	47 - 114	26	35
2-Nitroaniline			100	61.60		ug/L		62	48 - 135	30	35
2-Nitrophenol			100	69.03		ug/L		69	36 - 144	26	35
3-Nitroaniline			100	64.75		ug/L		65	38 - 142	33	35
4,6-Dinitro-2-methylphenol			200	123.0		ug/L		62	22 - 150	28	35
4-Bromophenyl phenyl ether			100	63.48		ug/L		63	41 - 131	26	35
4-Chloro-3-methylphenol			100	66.39		ug/L		66	51 - 132	28	35
4-Chloroaniline			100	41.87	*1	ug/L		42	13 - 143	42	35
4-Chlorophenyl phenyl ether			100	61.53		ug/L		62	44 - 118	26	35
Methylphenol, 3 & 4			100	56.97		ug/L		57	45 - 114	26	35
4-Nitroaniline			100	64.89		ug/L		65	33 - 141	26	35
4-Nitrophenol			200	68.93		ug/L		34	22 - 110	33	35
Acenaphthene			100	57.75		ug/L		58	38 - 118	30	35
Acenaphthylene			100	58.59		ug/L		59	39 - 115	28	35
Acetophenone			100	61.50		ug/L		61	47 - 118	25	35
Anthracene			100	65.87		ug/L		66	49 - 127	25	35
Benzo[a]anthracene			100	65.77		ug/L		66	49 - 126	22	35
Benzo[a]pyrene			100	65.70		ug/L		66	44 - 133	21	35
Benzo[b]fluoranthene			100	67.60		ug/L		68	44 - 136	21	35
Benzo[g,h,i]perylene			100	62.12		ug/L		62	42 - 135	22	35
Benzo[k]fluoranthene			100	72.13		ug/L		72	49 - 134	24	35
Benzyl alcohol			100	59.56		ug/L		60	46 - 123	26	35
Bis(2-chloroethoxy)methane			100	60.81		ug/L		61	44 - 126	23	35
Bis(2-chloroethyl)ether			100	54.66		ug/L		55	41 - 116	26	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-464070/3-A
Matrix: Water
Analysis Batch: 464176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464070

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,2'-oxybis[1-chloropropane]			100	49.54		ug/L		50	36 - 115	26	35
Bis(2-ethylhexyl) phthalate			100	67.11		ug/L		67	46 - 138	21	35
Butyl benzyl phthalate			100	67.37		ug/L		67	47 - 133	27	35
Chrysene			100	68.93		ug/L		69	50 - 128	20	35
Dibenzo(a,h)anthracene			100	65.43		ug/L		65	36 - 146	20	35
Dibenzofuran			100	58.87		ug/L		59	44 - 114	29	35
Diethyl phthalate			100	68.54		ug/L		69	43 - 135	27	35
Dimethyl phthalate			100	68.72		ug/L		69	46 - 129	25	35
Di-n-butyl phthalate			100	68.10		ug/L		68	49 - 138	21	35
Di-n-octyl phthalate			100	66.69		ug/L		67	33 - 148	21	35
Fluoranthene			100	70.28		ug/L		70	49 - 132	20	35
Fluorene			100	60.55		ug/L		61	46 - 118	27	35
Hexachlorobenzene			100	67.00		ug/L		67	42 - 134	21	35
Hexachlorobutadiene			100	50.24		ug/L		50	29 - 110	24	35
Hexachlorocyclopentadiene			100	38.76		ug/L		39	10 - 110	26	35
Hexachloroethane			100	41.97		ug/L		42	25 - 110	27	35
Indeno[1,2,3-cd]pyrene			100	67.36		ug/L		67	36 - 149	16	35
Isophorone			100	66.31		ug/L		66	46 - 126	26	35
Nitrobenzene			100	59.34		ug/L		59	42 - 123	27	35
N-Nitrosodimethylamine			100	39.61		ug/L		40	37 - 110	30	35
N-Nitrosodi-n-propylamine			100	62.11		ug/L		62	44 - 124	24	35
N-Nitrosodiphenylamine			100	66.22		ug/L		66	43 - 132	25	35
Pentachlorophenol			200	102.4		ug/L		51	28 - 142	22	35
Phenanthrene			100	64.15		ug/L		64	48 - 126	23	35
Phenol			100	39.02		ug/L		39	29 - 110	28	35
Pyrene			100	63.09		ug/L		63	45 - 134	27	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*55*		*21 - 110*
Phenol-d5 (Surr)	*46*		*21 - 110*
Nitrobenzene-d5 (Surr)	*68*		*39 - 140*
2-Fluorobiphenyl (Surr)	*64*		*33 - 126*
2,4,6-Tribromophenol (Surr)	*82*		*20 - 144*
Terphenyl-d14 (Surr)	*85*		*13 - 150*

Lab Sample ID: LCSD 310-464070/3-A
Matrix: Water
Analysis Batch: 464682

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464070

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene			100	61.69		ug/L		62	35 - 110	23	35
1,3,5-Trinitrobenzene			51.2	34.49		ug/L		67	26 - 150	17	29
1,3-Dinitrobenzene			100	72.53		ug/L		73	36 - 147	25	35
1,4-Naphthoquinone			51.2	33.12	*1	ug/L		65	38 - 137	29	27
1,4-phenylenediamine			51.2	<1.90	*-	ug/L		0	20 - 120	NC	35
1-Naphthylamine			51.2	11.55		ug/L		23	10 - 110	23	35
2,3,4,6-Tetrachlorophenol			100	69.25		ug/L		69	32 - 142	32	35
2,4,5-Trichlorophenol			100	73.21		ug/L		73	39 - 136	24	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-464070/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 464682
Prep Batch: 464070

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	100	72.35		ug/L		72	35 - 141	26	35
2,4-Dichlorophenol	100	73.31		ug/L		73	44 - 131	28	35
2,4-Dimethylphenol	100	76.89		ug/L		77	30 - 128	26	35
2,4-Dinitrophenol	200	110.8	*1	ug/L		55	10 - 150	38	35
2,4-Dinitrotoluene	100	76.36		ug/L		76	48 - 136	25	35
2,6-Dichlorophenol	100	72.58		ug/L		73	41 - 131	27	35
2,6-Dinitrotoluene	100	71.45		ug/L		71	49 - 135	25	35
2-Acetylaminofluorene	51.2	29.92	*1	ug/L		58	37 - 149	27	26
2-Chloronaphthalene	100	58.37		ug/L		58	33 - 112	28	35
2-Chlorophenol	100	68.00		ug/L		68	43 - 119	29	35
2-Methylnaphthalene	100	62.46		ug/L		62	35 - 110	26	35
2-Methylphenol	100	67.99		ug/L		68	47 - 114	27	35
2-Naphthylamine	51.2	14.74	*1	ug/L		29	18 - 111	36	35
2-Nitroaniline	100	70.27		ug/L		70	48 - 135	21	35
2-Nitrophenol	100	71.19		ug/L		71	36 - 144	32	35
3,3'-Dimethylbenzidine	51.2	<1.50	*- *1	ug/L		3	10 - 147	101	35
3-Methylcholanthrene	51.2	31.30		ug/L		61	13 - 140	25	35
3-Nitroaniline	100	70.06		ug/L		70	38 - 142	33	35
4,6-Dinitro-2-methylphenol	200	133.2		ug/L		67	22 - 150	27	35
4-Aminobiphenyl	51.2	11.32	*- *1	ug/L		22	23 - 123	36	35
4-Bromophenyl phenyl ether	100	70.62		ug/L		71	41 - 131	25	35
4-Chloro-3-methylphenol	100	77.56		ug/L		78	51 - 132	27	35
4-Chloroaniline	100	49.17	*1	ug/L		49	13 - 143	40	35
4-Chlorophenyl phenyl ether	100	68.02		ug/L		68	44 - 118	23	35
Methylphenol, 3 & 4	100	67.78		ug/L		68	45 - 114	26	35
4-Nitroaniline	100	73.77		ug/L		74	33 - 141	23	35
4-Nitrophenol	200	88.55		ug/L		44	22 - 110	28	35
5-Nitro-o-toluidine	51.2	33.81	*1	ug/L		66	43 - 139	33	32
7,12-Dimethylbenz(a)anthracene	51.2	27.23	*1	ug/L		53	47 - 129	30	29
Acenaphthene	100	67.67		ug/L		68	38 - 118	24	35
Acenaphthylene	100	64.90		ug/L		65	39 - 115	26	35
Acetophenone	100	70.52		ug/L		71	47 - 118	27	35
Anthracene	100	74.68		ug/L		75	49 - 127	26	35
Benzo[a]anthracene	100	77.28		ug/L		77	49 - 126	19	35
Benzo[a]pyrene	100	76.17		ug/L		76	44 - 133	17	35
Benzo[b]fluoranthene	100	76.69		ug/L		77	44 - 136	20	35
Benzo[g,h,i]perylene	100	80.69		ug/L		81	42 - 135	14	35
Benzo[k]fluoranthene	100	80.38		ug/L		80	49 - 134	24	35
Benzyl alcohol	100	70.32		ug/L		70	46 - 123	31	35
Bis(2-chloroethoxy)methane	100	70.90		ug/L		71	44 - 126	28	35
Bis(2-chloroethyl)ether	100	60.71		ug/L		61	41 - 116	32	35
2,2'-oxybis[1-chloropropane]	100	64.39		ug/L		64	36 - 115	32	35
Bis(2-ethylhexyl) phthalate	100	79.25		ug/L		79	46 - 138	23	35
Butyl benzyl phthalate	100	69.64		ug/L		70	47 - 133	27	35
Chlorobenzilate	51.2	37.80		ug/L		74	39 - 145	27	28
Chrysene	100	77.89		ug/L		78	50 - 128	19	35
Diallate	44.8	38.35	*1	ug/L		86	40 - 135	31	29
Dibenzo(a,h)anthracene	100	76.68		ug/L		77	36 - 146	17	35
Dibenzofuran	100	69.03		ug/L		69	44 - 114	26	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-464070/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 464682
Prep Batch: 464070

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diethyl phthalate	100	75.25		ug/L		75	43 - 135	23	35
Dimethoate	44.8	41.45		ug/L		93	31 - 150	26	35
Dimethyl phthalate	100	76.37		ug/L		76	46 - 129	21	35
Di-n-butyl phthalate	100	72.51		ug/L		73	49 - 138	25	35
Di-n-octyl phthalate	100	66.29		ug/L		66	33 - 148	22	35
Dinoseb	51.2	32.94		ug/L		64	22 - 150	21	35
Disulfoton	44.8	35.06		ug/L		78	27 - 138	30	32
Ethyl methanesulfonate	51.2	27.07	*1	ug/L		53	44 - 110	34	30
Ethyl Parathion	44.8	41.33		ug/L		92	52 - 141	28	30
Famphur	44.8	46.61		ug/L		104	67 - 150	21	28
Fluoranthene	100	73.07		ug/L		73	49 - 132	22	35
Fluorene	100	70.98		ug/L		71	46 - 118	25	35
Hexachlorobenzene	100	73.29		ug/L		73	42 - 134	20	35
Hexachlorobutadiene	100	56.59		ug/L		57	29 - 110	25	35
Hexachlorocyclopentadiene	100	40.42		ug/L		40	10 - 110	34	35
Hexachloroethane	100	47.77		ug/L		48	25 - 110	19	35
Hexachloropropene	51.2	6.784	J	ug/L		13	10 - 110	29	35
Indeno[1,2,3-cd]pyrene	100	71.77		ug/L		72	36 - 149	25	35
Isodrin	51.2	30.13	*1	ug/L		59	50 - 122	37	28
Isophorone	100	72.96		ug/L		73	46 - 126	28	35
Methapyrilene	44.8	1.643	J *-	ug/L		4	10 - 110	6	35
Methyl methanesulfonate	51.2	20.19	*1	ug/L		39	16 - 110	32	28
Methyl parathion	44.8	43.59	*1	ug/L		97	49 - 150	31	29
Nitrobenzene	100	66.87		ug/L		67	42 - 123	31	35
N-Nitrosodiethylamine	51.2	30.58		ug/L		60	51 - 116	25	27
N-Nitrosodimethylamine	100	54.23	*1	ug/L		54	37 - 110	38	35
N-Nitrosodi-n-butylamine	51.2	36.57	*1	ug/L		71	49 - 135	34	28
N-Nitrosodi-n-propylamine	100	72.74		ug/L		73	44 - 124	28	35
N-Nitrosodiphenylamine	100	74.56		ug/L		75	43 - 132	26	35
N-Nitrosomethylethylamine	51.2	29.02	*1	ug/L		57	43 - 114	31	29
N-Nitrosopiperidine	51.2	31.96	*1	ug/L		62	50 - 120	27	26
N-Nitrosopyrrolidine	51.2	33.57		ug/L		66	47 - 129	22	31
o,o',o''-Triethylphosphorothioate	44.8	34.42		ug/L		77	34 - 125	33	33
o-Toluidine	51.2	14.48	*1	ug/L		28	19 - 128	55	35
p-Dimethylamino azobenzene	51.2	31.05	*1	ug/L		61	45 - 133	33	31
Pentachlorobenzene	51.2	25.43		ug/L		50	27 - 112	31	35
Pentachloronitrobenzene	51.2	38.67		ug/L		76	45 - 132	16	29
Pentachlorophenol	200	124.5		ug/L		62	28 - 142	25	35
Phenacetin	51.2	34.82		ug/L		68	51 - 139	29	29
Phenanthrene	100	73.57		ug/L		74	48 - 126	22	35
Phenol	100	47.32		ug/L		47	29 - 110	29	35
Phorate	44.8	37.31		ug/L		83	21 - 147	24	35
Pronamide	51.2	37.59		ug/L		73	52 - 135	21	28
Pyrene	100	77.47		ug/L		77	45 - 134	24	35
Safrole	44.8	30.31	*1	ug/L		68	26 - 117	39	35
Thionazin	44.8	38.09	*1	ug/L		85	48 - 135	33	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-464070/3-A
Matrix: Water
Analysis Batch: 464682

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464070

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorophenol (Surr)	52		21 - 110
Phenol-d5 (Surr)	45		21 - 110
Nitrobenzene-d5 (Surr)	69		39 - 140
2-Fluorobiphenyl (Surr)	65		33 - 126
2,4,6-Tribromophenol (Surr)	80		20 - 144
Terphenyl-d14 (Surr)	84		13 - 150

Lab Sample ID: MB 310-464385/1-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.540		10.0	0.540	ug/L		08/21/25 14:08	08/28/25 16:10	1
1,3,5-Trinitrobenzene	<2.30		10.0	2.30	ug/L		08/21/25 14:08	08/28/25 16:10	1
1,3-Dinitrobenzene	<3.20		10.0	3.20	ug/L		08/21/25 14:08	08/28/25 16:10	1
1,4-Naphthoquinone	<3.60		10.0	3.60	ug/L		08/21/25 14:08	08/28/25 16:10	1
1,4-phenylenediamine	<1.90		10.0	1.90	ug/L		08/21/25 14:08	08/28/25 16:10	1
1-Naphthylamine	<2.50		10.0	2.50	ug/L		08/21/25 14:08	08/28/25 16:10	1
2,3,4,6-Tetrachlorophenol	<5.30		10.0	5.30	ug/L		08/21/25 14:08	08/28/25 16:10	1
2,4,5-Trichlorophenol	<5.30		10.0	5.30	ug/L		08/21/25 14:08	08/28/25 16:10	1
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		08/21/25 14:08	08/28/25 16:10	1
2,4-Dichlorophenol	<0.850		10.0	0.850	ug/L		08/21/25 14:08	08/28/25 16:10	1
2,4-Dimethylphenol	<0.580		10.0	0.580	ug/L		08/21/25 14:08	08/28/25 16:10	1
2,4-Dinitrophenol	<13.0		20.0	13.0	ug/L		08/21/25 14:08	08/28/25 16:10	1
2,4-Dinitrotoluene	<6.40		10.0	6.40	ug/L		08/21/25 14:08	08/28/25 16:10	1
2,6-Dichlorophenol	<0.690		10.0	0.690	ug/L		08/21/25 14:08	08/28/25 16:10	1
2,6-Dinitrotoluene	<0.520		10.0	0.520	ug/L		08/21/25 14:08	08/28/25 16:10	1
2-Acetylaminofluorene	<2.70		10.0	2.70	ug/L		08/21/25 14:08	08/28/25 16:10	1
2-Chloronaphthalene	<0.640		10.0	0.640	ug/L		08/21/25 14:08	08/28/25 16:10	1
2-Chlorophenol	<0.540		10.0	0.540	ug/L		08/21/25 14:08	08/28/25 16:10	1
2-Methylnaphthalene	<0.590		10.0	0.590	ug/L		08/21/25 14:08	08/28/25 16:10	1
2-Methylphenol	<0.650		10.0	0.650	ug/L		08/21/25 14:08	08/28/25 16:10	1
2-Naphthylamine	<2.10		10.0	2.10	ug/L		08/21/25 14:08	08/28/25 16:10	1
2-Nitroaniline	<5.90		10.0	5.90	ug/L		08/21/25 14:08	08/28/25 16:10	1
2-Nitrophenol	<6.80		10.0	6.80	ug/L		08/21/25 14:08	08/28/25 16:10	1
3,3'-Dichlorobenzidine	<1.40		10.0	1.40	ug/L		08/21/25 14:08	08/28/25 16:10	1
3,3'-Dimethylbenzidine	<1.50		10.0	1.50	ug/L		08/21/25 14:08	08/28/25 16:10	1
3-Methylcholanthrene	<0.320		10.0	0.320	ug/L		08/21/25 14:08	08/28/25 16:10	1
3-Nitroaniline	<2.70		10.0	2.70	ug/L		08/21/25 14:08	08/28/25 16:10	1
4,6-Dinitro-2-methylphenol	<6.90		10.0	6.90	ug/L		08/21/25 14:08	08/28/25 16:10	1
4-Aminobiphenyl	<2.20		10.0	2.20	ug/L		08/21/25 14:08	08/28/25 16:10	1
4-Bromophenyl phenyl ether	<0.700		10.0	0.700	ug/L		08/21/25 14:08	08/28/25 16:10	1
4-Chloro-3-methylphenol	<0.840		10.0	0.840	ug/L		08/21/25 14:08	08/28/25 16:10	1
4-Chloroaniline	<0.620		10.0	0.620	ug/L		08/21/25 14:08	08/28/25 16:10	1
4-Chlorophenyl phenyl ether	<0.690		10.0	0.690	ug/L		08/21/25 14:08	08/28/25 16:10	1
Methylphenol, 3 & 4	<0.700		10.0	0.700	ug/L		08/21/25 14:08	08/28/25 16:10	1
4-Nitroaniline	<1.30		10.0	1.30	ug/L		08/21/25 14:08	08/28/25 16:10	1
4-Nitrophenol	<7.60		10.0	7.60	ug/L		08/21/25 14:08	08/28/25 16:10	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-464385/1-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5-Nitro-o-toluidine	<2.80		10.0	2.80	ug/L		08/21/25 14:08	08/28/25 16:10	1
7,12-Dimethylbenz(a)anthracene	<1.90		10.0	1.90	ug/L		08/21/25 14:08	08/28/25 16:10	1
Acenaphthene	<0.640		10.0	0.640	ug/L		08/21/25 14:08	08/28/25 16:10	1
Acenaphthylene	<0.720		10.0	0.720	ug/L		08/21/25 14:08	08/28/25 16:10	1
Acetophenone	<0.690		10.0	0.690	ug/L		08/21/25 14:08	08/28/25 16:10	1
Anthracene	<0.870		10.0	0.870	ug/L		08/21/25 14:08	08/28/25 16:10	1
Benzo[a]anthracene	<0.850		10.0	0.850	ug/L		08/21/25 14:08	08/28/25 16:10	1
Benzo[a]pyrene	<8.10		10.0	8.10	ug/L		08/21/25 14:08	08/28/25 16:10	1
Benzo[b]fluoranthene	<4.90		10.0	4.90	ug/L		08/21/25 14:08	08/28/25 16:10	1
Benzo[g,h,i]perylene	<6.30		10.0	6.30	ug/L		08/21/25 14:08	08/28/25 16:10	1
Benzo[k]fluoranthene	<2.20		10.0	2.20	ug/L		08/21/25 14:08	08/28/25 16:10	1
Benzyl alcohol	<1.30		10.0	1.30	ug/L		08/21/25 14:08	08/28/25 16:10	1
Bis(2-chloroethoxy)methane	<0.760		10.0	0.760	ug/L		08/21/25 14:08	08/28/25 16:10	1
Bis(2-chloroethyl)ether	<0.820		10.0	0.820	ug/L		08/21/25 14:08	08/28/25 16:10	1
2,2'-oxybis[1-chloropropane]	<0.540		10.0	0.540	ug/L		08/21/25 14:08	08/28/25 16:10	1
Bis(2-ethylhexyl) phthalate	<5.50		10.0	5.50	ug/L		08/21/25 14:08	08/28/25 16:10	1
Butyl benzyl phthalate	<5.40		10.0	5.40	ug/L		08/21/25 14:08	08/28/25 16:10	1
Chlorobenzilate	<3.60		10.0	3.60	ug/L		08/21/25 14:08	08/28/25 16:10	1
Chrysene	<0.870		10.0	0.870	ug/L		08/21/25 14:08	08/28/25 16:10	1
Diallate	<4.00		10.0	4.00	ug/L		08/21/25 14:08	08/28/25 16:10	1
Dibenzo(a,h)anthracene	<3.90		10.0	3.90	ug/L		08/21/25 14:08	08/28/25 16:10	1
Dibenzofuran	<0.740		10.0	0.740	ug/L		08/21/25 14:08	08/28/25 16:10	1
Diethyl phthalate	<1.70		10.0	1.70	ug/L		08/21/25 14:08	08/28/25 16:10	1
Dimethoate	<3.60		10.0	3.60	ug/L		08/21/25 14:08	08/28/25 16:10	1
Dimethyl phthalate	<1.00		10.0	1.00	ug/L		08/21/25 14:08	08/28/25 16:10	1
Di-n-butyl phthalate	<5.60		10.0	5.60	ug/L		08/21/25 14:08	08/28/25 16:10	1
Di-n-octyl phthalate	<7.00		20.0	7.00	ug/L		08/21/25 14:08	08/28/25 16:10	1
Dinoseb	<2.40		10.0	2.40	ug/L		08/21/25 14:08	08/28/25 16:10	1
Diphenylamine	<6.00		10.0	6.00	ug/L		08/21/25 14:08	08/28/25 16:10	1
Disulfoton	<2.40		10.0	2.40	ug/L		08/21/25 14:08	08/28/25 16:10	1
Ethyl methanesulfonate	<3.60		10.0	3.60	ug/L		08/21/25 14:08	08/28/25 16:10	1
Ethyl Parathion	<2.20		10.0	2.20	ug/L		08/21/25 14:08	08/28/25 16:10	1
Famphur	<3.80		10.0	3.80	ug/L		08/21/25 14:08	08/28/25 16:10	1
Fluoranthene	<1.70		10.0	1.70	ug/L		08/21/25 14:08	08/28/25 16:10	1
Fluorene	<0.790		10.0	0.790	ug/L		08/21/25 14:08	08/28/25 16:10	1
Hexachlorobenzene	<0.700		10.0	0.700	ug/L		08/21/25 14:08	08/28/25 16:10	1
Hexachlorobutadiene	<0.860		10.0	0.860	ug/L		08/21/25 14:08	08/28/25 16:10	1
Hexachlorocyclopentadiene	<5.10		10.0	5.10	ug/L		08/21/25 14:08	08/28/25 16:10	1
Hexachloroethane	<0.970		10.0	0.970	ug/L		08/21/25 14:08	08/28/25 16:10	1
Hexachloropropene	<2.60		10.0	2.60	ug/L		08/21/25 14:08	08/28/25 16:10	1
Indeno[1,2,3-cd]pyrene	<4.20		10.0	4.20	ug/L		08/21/25 14:08	08/28/25 16:10	1
Isodrin	<4.70		10.0	4.70	ug/L		08/21/25 14:08	08/28/25 16:10	1
Isophorone	<0.930		10.0	0.930	ug/L		08/21/25 14:08	08/28/25 16:10	1
Isosafrole	<2.30		10.0	2.30	ug/L		08/21/25 14:08	08/28/25 16:10	1
Kepone	<1.00		10.0	1.00	ug/L		08/21/25 14:08	08/28/25 16:10	1
Methapyrilene	<0.760		10.0	0.760	ug/L		08/21/25 14:08	08/28/25 16:10	1
Methyl methanesulfonate	<3.30		10.0	3.30	ug/L		08/21/25 14:08	08/28/25 16:10	1
Methyl parathion	<2.30		10.0	2.30	ug/L		08/21/25 14:08	08/28/25 16:10	1
Nitrobenzene	<0.800		10.0	0.800	ug/L		08/21/25 14:08	08/28/25 16:10	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-464385/1-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<3.40		10.0	3.40	ug/L		08/21/25 14:08	08/28/25 16:10	1
N-Nitrosodimethylamine	<0.720		10.0	0.720	ug/L		08/21/25 14:08	08/28/25 16:10	1
N-Nitrosodi-n-butylamine	<3.90		10.0	3.90	ug/L		08/21/25 14:08	08/28/25 16:10	1
N-Nitrosodi-n-propylamine	<0.920		10.0	0.920	ug/L		08/21/25 14:08	08/28/25 16:10	1
N-Nitrosodiphenylamine	<0.750		10.0	0.750	ug/L		08/21/25 14:08	08/28/25 16:10	1
N-Nitrosomethylethylamine	<4.90		10.0	4.90	ug/L		08/21/25 14:08	08/28/25 16:10	1
N-Nitrosopiperidine	<2.70		10.0	2.70	ug/L		08/21/25 14:08	08/28/25 16:10	1
N-Nitrosopyrrolidine	<3.60		10.0	3.60	ug/L		08/21/25 14:08	08/28/25 16:10	1
o,o',o''-Triethylphosphorothioate	<3.20		10.0	3.20	ug/L		08/21/25 14:08	08/28/25 16:10	1
o-Toluidine	<2.90		10.0	2.90	ug/L		08/21/25 14:08	08/28/25 16:10	1
p-Dimethylamino azobenzene	<2.20		10.0	2.20	ug/L		08/21/25 14:08	08/28/25 16:10	1
Pentachlorobenzene	<2.80		10.0	2.80	ug/L		08/21/25 14:08	08/28/25 16:10	1
Pentachloronitrobenzene	<5.80		10.0	5.80	ug/L		08/21/25 14:08	08/28/25 16:10	1
Pentachlorophenol	<9.60		10.0	9.60	ug/L		08/21/25 14:08	08/28/25 16:10	1
Phenacetin	<1.90		10.0	1.90	ug/L		08/21/25 14:08	08/28/25 16:10	1
Phenanthrene	<0.790		10.0	0.790	ug/L		08/21/25 14:08	08/28/25 16:10	1
Phenol	<1.10		10.0	1.10	ug/L		08/21/25 14:08	08/28/25 16:10	1
Phorate	<3.20		10.0	3.20	ug/L		08/21/25 14:08	08/28/25 16:10	1
Pronamide	<2.70		10.0	2.70	ug/L		08/21/25 14:08	08/28/25 16:10	1
Pyrene	<0.790		10.0	0.790	ug/L		08/21/25 14:08	08/28/25 16:10	1
Safrole	<2.80		10.0	2.80	ug/L		08/21/25 14:08	08/28/25 16:10	1
Thionazin	<3.50		10.0	3.50	ug/L		08/21/25 14:08	08/28/25 16:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*81*		*21 - 110*	*08/21/25 14:08*	*08/28/25 16:10*	*1*
Phenol-d5 (Surr)	*64*		*21 - 110*	*08/21/25 14:08*	*08/28/25 16:10*	*1*
Nitrobenzene-d5 (Surr)	*101*		*39 - 140*	*08/21/25 14:08*	*08/28/25 16:10*	*1*
2-Fluorobiphenyl (Surr)	*94*		*33 - 126*	*08/21/25 14:08*	*08/28/25 16:10*	*1*
2,4,6-Tribromophenol (Surr)	*113*		*20 - 144*	*08/21/25 14:08*	*08/28/25 16:10*	*1*
Terphenyl-d14 (Surr)	*139*		*13 - 150*	*08/21/25 14:08*	*08/28/25 16:10*	*1*

Lab Sample ID: LCS 310-464385/2-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4,5-Tetrachlorobenzene	100	83.39		ug/L		83	35 - 110
1,3,5-Trinitrobenzene	51.2	52.11		ug/L		102	26 - 150
1,3-Dinitrobenzene	100	105.2		ug/L		105	36 - 147
1,4-Naphthoquinone	51.2	48.60		ug/L		95	38 - 137
1,4-phenylenediamine	51.2	9.804	J *-	ug/L		19	20 - 120
1-Naphthylamine	51.2	18.14		ug/L		35	10 - 110
2,3,4,6-Tetrachlorophenol	100	102.7		ug/L		103	32 - 142
2,4,5-Trichlorophenol	100	100.8		ug/L		101	39 - 136
2,4,6-Trichlorophenol	100	104.5		ug/L		105	35 - 141
2,4-Dichlorophenol	100	105.2		ug/L		105	44 - 131
2,4-Dimethylphenol	100	102.8		ug/L		103	30 - 128
2,4-Dinitrophenol	200	169.6		ug/L		85	10 - 150

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464385/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 464999
Prep Batch: 464385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	100	112.6		ug/L		113	48 - 136
2,6-Dichlorophenol	100	104.2		ug/L		104	41 - 131
2,6-Dinitrotoluene	100	112.8		ug/L		113	49 - 135
2-Acetylaminofluorene	51.2	41.83		ug/L		82	37 - 149
2-Chloronaphthalene	100	88.82		ug/L		89	33 - 112
2-Chlorophenol	100	90.38		ug/L		90	43 - 119
2-Methylnaphthalene	100	87.97		ug/L		88	35 - 110
2-Methylphenol	100	92.89		ug/L		93	47 - 114
2-Naphthylamine	51.2	26.18		ug/L		51	18 - 111
2-Nitroaniline	100	107.5		ug/L		107	48 - 135
2-Nitrophenol	100	112.6		ug/L		113	36 - 144
3,3'-Dimethylbenzidine	51.2	8.684	J	ug/L		17	10 - 147
3-Methylcholanthrene	51.2	41.54		ug/L		81	13 - 140
3-Nitroaniline	100	104.9		ug/L		105	38 - 142
4,6-Dinitro-2-methylphenol	200	203.1		ug/L		102	22 - 150
4-Aminobiphenyl	51.2	23.71		ug/L		46	23 - 123
4-Bromophenyl phenyl ether	100	106.1		ug/L		106	41 - 131
4-Chloro-3-methylphenol	100	111.8		ug/L		112	51 - 132
4-Chloroaniline	100	92.50		ug/L		92	13 - 143
4-Chlorophenyl phenyl ether	100	98.46		ug/L		98	44 - 118
Methylphenol, 3 & 4	100	92.33		ug/L		92	45 - 114
4-Nitroaniline	100	106.6		ug/L		107	33 - 141
4-Nitrophenol	200	123.2		ug/L		62	22 - 110
5-Nitro-o-toluidine	51.2	50.54		ug/L		99	43 - 139
7,12-Dimethylbenz(a)anthracene	51.2	39.05		ug/L		76	47 - 129
Acenaphthene	100	102.2		ug/L		102	38 - 118
Acenaphthylene	100	90.68		ug/L		91	39 - 115
Acetophenone	100	96.30		ug/L		96	47 - 118
Anthracene	100	110.5		ug/L		111	49 - 127
Benzo[a]anthracene	100	111.0		ug/L		111	49 - 126
Benzo[a]pyrene	100	93.37		ug/L		93	44 - 133
Benzo[b]fluoranthene	100	91.07		ug/L		91	44 - 136
Benzo[g,h,i]perylene	100	110.9		ug/L		111	42 - 135
Benzo[k]fluoranthene	100	109.4		ug/L		109	49 - 134
Benzyl alcohol	100	90.45		ug/L		90	46 - 123
Bis(2-chloroethoxy)methane	100	100.5		ug/L		101	44 - 126
Bis(2-chloroethyl)ether	100	90.94		ug/L		91	41 - 116
2,2'-oxybis[1-chloropropane]	100	89.63		ug/L		90	36 - 115
Bis(2-ethylhexyl) phthalate	100	89.77		ug/L		90	46 - 138
Butyl benzyl phthalate	100	99.70		ug/L		100	47 - 133
Chlorobenzilate	51.2	52.49		ug/L		103	39 - 145
Chrysene	100	102.1		ug/L		102	50 - 128
Diallate	44.8	60.37		ug/L		135	40 - 135
Dibenzo(a,h)anthracene	100	95.21		ug/L		95	36 - 146
Dibenzofuran	100	98.06		ug/L		98	44 - 114
Diethyl phthalate	100	112.2		ug/L		112	43 - 135
Dimethoate	44.8	70.59	*+	ug/L		158	31 - 150
Dimethyl phthalate	100	105.9		ug/L		106	46 - 129
Di-n-butyl phthalate	100	113.3		ug/L		113	49 - 138

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464385/2-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-octyl phthalate	100	84.58		ug/L		85	33 - 148
Dinoseb	51.2	44.82		ug/L		88	22 - 150
Disulfoton	44.8	56.47		ug/L		126	27 - 138
Ethyl methanesulfonate	51.2	38.26		ug/L		75	44 - 110
Ethyl Parathion	44.8	61.41		ug/L		137	52 - 141
Famphur	44.8	103.2	*+	ug/L		230	67 - 150
Fluoranthene	100	113.3		ug/L		113	49 - 132
Fluorene	100	103.6		ug/L		104	46 - 118
Hexachlorobenzene	100	108.5		ug/L		108	42 - 134
Hexachlorobutadiene	100	78.27		ug/L		78	29 - 110
Hexachlorocyclopentadiene	100	68.59		ug/L		69	10 - 110
Hexachloroethane	100	67.02		ug/L		67	25 - 110
Hexachloropropene	51.2	9.029	J	ug/L		18	10 - 110
Indeno[1,2,3-cd]pyrene	100	89.85		ug/L		90	36 - 149
Isodrin	51.2	50.95		ug/L		100	50 - 122
Isophorone	100	104.0		ug/L		104	46 - 126
Methapyrilene	44.8	2.400	J *-	ug/L		5	10 - 110
Methyl methanesulfonate	51.2	27.71		ug/L		54	16 - 110
Methyl parathion	44.8	66.97		ug/L		149	49 - 150
Nitrobenzene	100	90.63		ug/L		91	42 - 123
N-Nitrosodiethylamine	51.2	46.05		ug/L		90	51 - 116
N-Nitrosodimethylamine	100	79.48		ug/L		79	37 - 110
N-Nitrosodi-n-butylamine	51.2	48.90		ug/L		96	49 - 135
N-Nitrosodi-n-propylamine	100	98.21		ug/L		98	44 - 124
N-Nitrosodiphenylamine	100	106.5		ug/L		106	43 - 132
N-Nitrosomethylethylamine	51.2	42.48		ug/L		83	43 - 114
N-Nitrosopiperidine	51.2	48.58		ug/L		95	50 - 120
N-Nitrosopyrrolidine	51.2	49.79		ug/L		97	47 - 129
o,o',o''-Triethylphosphorothioate	44.8	48.49		ug/L		108	34 - 125
o-Toluidine	51.2	33.90		ug/L		66	19 - 128
p-Dimethylamino azobenzene	51.2	46.99		ug/L		92	45 - 133
Pentachlorobenzene	51.2	36.08		ug/L		70	27 - 112
Pentachloronitrobenzene	51.2	51.42		ug/L		100	45 - 132
Pentachlorophenol	200	174.7		ug/L		87	28 - 142
Phenacetin	51.2	58.34		ug/L		114	51 - 139
Phenanthrene	100	112.4		ug/L		112	48 - 126
Phenol	100	66.09		ug/L		66	29 - 110
Phorate	44.8	58.59		ug/L		131	21 - 147
Pronamide	51.2	56.14		ug/L		110	52 - 135
Pyrene	100	110.6		ug/L		111	45 - 134
Safrole	44.8	47.11		ug/L		105	26 - 117
Thionazin	44.8	59.18		ug/L		132	48 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*75*		*21 - 110*
Phenol-d5 (Surr)	*64*		*21 - 110*
Nitrobenzene-d5 (Surr)	*94*		*39 - 140*
2-Fluorobiphenyl (Surr)	*87*		*33 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464385/2-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464385

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*117*		*20 - 144*
Terphenyl-d14 (Surr)	*118*		*13 - 150*

Lab Sample ID: LCSD 310-464385/3-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464385

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene			100	67.92		ug/L		68	35 - 110	20	35
1,3,5-Trinitrobenzene			51.2	44.51		ug/L		87	26 - 150	16	29
1,3-Dinitrobenzene			100	87.15		ug/L		87	36 - 147	19	35
1,4-Naphthoquinone			51.2	41.70		ug/L		81	38 - 137	15	27
1,4-phenylenediamine			51.2	<1.90	*- *1	ug/L		0	20 - 120	200	35
1-Naphthylamine			51.2	16.24		ug/L		32	10 - 110	11	35
2,3,4,6-Tetrachlorophenol			100	81.52		ug/L		82	32 - 142	23	35
2,4,5-Trichlorophenol			100	83.97		ug/L		84	39 - 136	18	35
2,4,6-Trichlorophenol			100	83.92		ug/L		84	35 - 141	22	35
2,4-Dichlorophenol			100	89.84		ug/L		90	44 - 131	16	35
2,4-Dimethylphenol			100	87.41		ug/L		87	30 - 128	16	35
2,4-Dinitrophenol			200	129.0		ug/L		64	10 - 150	27	35
2,4-Dinitrotoluene			100	93.45		ug/L		93	48 - 136	19	35
2,6-Dichlorophenol			100	85.94		ug/L		86	41 - 131	19	35
2,6-Dinitrotoluene			100	86.49		ug/L		86	49 - 135	26	35
2-Acetylaminofluorene			51.2	35.83		ug/L		70	37 - 149	15	26
2-Chloronaphthalene			100	70.57		ug/L		71	33 - 112	23	35
2-Chlorophenol			100	78.36		ug/L		78	43 - 119	14	35
2-Methylnaphthalene			100	74.02		ug/L		74	35 - 110	17	35
2-Methylphenol			100	78.10		ug/L		78	47 - 114	17	35
2-Naphthylamine			51.2	23.90		ug/L		47	18 - 111	9	35
2-Nitroaniline			100	94.51		ug/L		95	48 - 135	13	35
2-Nitrophenol			100	90.94		ug/L		91	36 - 144	21	35
3,3'-Dimethylbenzidine			51.2	10.57		ug/L		21	10 - 147	20	35
3-Methylcholanthrene			51.2	34.42		ug/L		67	13 - 140	19	35
3-Nitroaniline			100	86.56		ug/L		87	38 - 142	19	35
4,6-Dinitro-2-methylphenol			200	163.6		ug/L		82	22 - 150	22	35
4-Aminobiphenyl			51.2	22.56		ug/L		44	23 - 123	5	35
4-Bromophenyl phenyl ether			100	89.01		ug/L		89	41 - 131	18	35
4-Chloro-3-methylphenol			100	95.13		ug/L		95	51 - 132	16	35
4-Chloroaniline			100	79.99		ug/L		80	13 - 143	14	35
4-Chlorophenyl phenyl ether			100	83.96		ug/L		84	44 - 118	16	35
Methylphenol, 3 & 4			100	78.96		ug/L		79	45 - 114	16	35
4-Nitroaniline			100	91.70		ug/L		92	33 - 141	15	35
4-Nitrophenol			200	102.1		ug/L		51	22 - 110	19	35
5-Nitro-o-toluidine			51.2	43.46		ug/L		85	43 - 139	15	32
7,12-Dimethylbenz(a)anthracene			51.2	34.62		ug/L		68	47 - 129	12	29
Acenaphthene			100	81.04		ug/L		81	38 - 118	23	35
Acenaphthylene			100	75.80		ug/L		76	39 - 115	18	35
Acetophenone			100	78.39		ug/L		78	47 - 118	21	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-464385/3-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464385

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Anthracene	100	91.73		ug/L		92	49 - 127	19	35
Benzo[a]anthracene	100	90.27		ug/L		90	49 - 126	21	35
Benzo[a]pyrene	100	74.15		ug/L		74	44 - 133	23	35
Benzo[b]fluoranthene	100	71.72		ug/L		72	44 - 136	24	35
Benzo[g,h,i]perylene	100	89.31		ug/L		89	42 - 135	22	35
Benzo[k]fluoranthene	100	105.2		ug/L		105	49 - 134	4	35
Benzyl alcohol	100	77.05		ug/L		77	46 - 123	16	35
Bis(2-chloroethoxy)methane	100	84.13		ug/L		84	44 - 126	18	35
Bis(2-chloroethyl)ether	100	81.50		ug/L		82	41 - 116	11	35
2,2'-oxybis[1-chloropropane]	100	77.03		ug/L		77	36 - 115	15	35
Bis(2-ethylhexyl) phthalate	100	80.17		ug/L		80	46 - 138	11	35
Butyl benzyl phthalate	100	80.47		ug/L		80	47 - 133	21	35
Chlorobenzilate	51.2	44.19		ug/L		86	39 - 145	17	28
Chrysene	100	92.52		ug/L		93	50 - 128	10	35
Diallate	44.8	50.84		ug/L		113	40 - 135	17	29
Dibenzo(a,h)anthracene	100	74.52		ug/L		75	36 - 146	24	35
Dibenzofuran	100	83.72		ug/L		84	44 - 114	16	35
Diethyl phthalate	100	93.51		ug/L		94	43 - 135	18	35
Dimethoate	44.8	61.25		ug/L		137	31 - 150	14	35
Dimethyl phthalate	100	87.23		ug/L		87	46 - 129	19	35
Di-n-butyl phthalate	100	94.84		ug/L		95	49 - 138	18	35
Di-n-octyl phthalate	100	71.72		ug/L		72	33 - 148	16	35
Dinoseb	51.2	39.56		ug/L		77	22 - 150	12	35
Disulfoton	44.8	39.99	*1	ug/L		89	27 - 138	34	32
Ethyl methanesulfonate	51.2	36.63		ug/L		72	44 - 110	4	30
Ethyl Parathion	44.8	49.15		ug/L		110	52 - 141	22	30
Famphur	44.8	83.49	*+	ug/L		186	67 - 150	21	28
Fluoranthene	100	97.48		ug/L		97	49 - 132	15	35
Fluorene	100	87.91		ug/L		88	46 - 118	16	35
Hexachlorobenzene	100	89.58		ug/L		90	42 - 134	19	35
Hexachlorobutadiene	100	67.25		ug/L		67	29 - 110	15	35
Hexachlorocyclopentadiene	100	56.69		ug/L		57	10 - 110	19	35
Hexachloroethane	100	59.65		ug/L		60	25 - 110	12	35
Hexachloropropene	51.2	9.112	J	ug/L		18	10 - 110	1	35
Indeno[1,2,3-cd]pyrene	100	74.40		ug/L		74	36 - 149	19	35
Isodrin	51.2	41.62		ug/L		81	50 - 122	20	28
Isophorone	100	86.16		ug/L		86	46 - 126	19	35
Methapyrilene	44.8	7.480	J *1	ug/L		17	10 - 110	103	35
Methyl methanesulfonate	51.2	24.53		ug/L		48	16 - 110	12	28
Methyl parathion	44.8	55.80		ug/L		125	49 - 150	18	29
Nitrobenzene	100	79.71		ug/L		80	42 - 123	13	35
N-Nitrosodiethylamine	51.2	36.32		ug/L		71	51 - 116	24	27
N-Nitrosodimethylamine	100	68.85		ug/L		69	37 - 110	14	35
N-Nitrosodi-n-butylamine	51.2	46.80		ug/L		91	49 - 135	4	28
N-Nitrosodi-n-propylamine	100	83.23		ug/L		83	44 - 124	17	35
N-Nitrosodiphenylamine	100	89.93		ug/L		90	43 - 132	17	35
N-Nitrosomethylethylamine	51.2	36.17		ug/L		71	43 - 114	16	29
N-Nitrosopiperidine	51.2	44.45		ug/L		87	50 - 120	9	26
N-Nitrosopyrrolidine	51.2	47.08		ug/L		92	47 - 129	6	31

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-464385/3-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464385

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
o,o',o''-Triethylphosphorothioate			44.8	41.06		ug/L		92	34 - 125	17	33
o-Toluidine			51.2	30.30		ug/L		59	19 - 128	11	35
p-Dimethylamino azobenzene			51.2	39.03		ug/L		76	45 - 133	18	31
Pentachlorobenzene			51.2	32.58		ug/L		64	27 - 112	10	35
Pentachloronitrobenzene			51.2	43.30		ug/L		85	45 - 132	17	29
Pentachlorophenol			200	154.3		ug/L		77	28 - 142	12	35
Phenacetin			51.2	47.17		ug/L		92	51 - 139	21	29
Phenanthrene			100	91.84		ug/L		92	48 - 126	20	35
Phenol			100	53.39		ug/L		53	29 - 110	21	35
Phorate			44.8	49.06		ug/L		110	21 - 147	18	35
Pronamide			51.2	46.38		ug/L		91	52 - 135	19	28
Pyrene			100	92.58		ug/L		93	45 - 134	18	35
Safrole			44.8	39.49		ug/L		88	26 - 117	18	35
Thionazin			44.8	49.07		ug/L		110	48 - 135	19	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*59*		*21 - 110*
Phenol-d5 (Surr)	*50*		*21 - 110*
Nitrobenzene-d5 (Surr)	*78*		*39 - 140*
2-Fluorobiphenyl (Surr)	*70*		*33 - 126*
2,4,6-Tribromophenol (Surr)	*92*		*20 - 144*
Terphenyl-d14 (Surr)	*93*		*13 - 150*

Method: 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Lab Sample ID: MB 310-464133/6
Matrix: Water
Analysis Batch: 464133

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/19/25 17:01	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/19/25 17:01	1

Lab Sample ID: LCS 310-464133/7
Matrix: Water
Analysis Batch: 464133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetonitrile			99.1	92.93		mg/L		94	67 - 131
Isobutanol			95.5	92.69		mg/L		97	80 - 120

Lab Sample ID: 310-313508-1 MS
Matrix: Water
Analysis Batch: 464133

Client Sample ID: AW-1_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetonitrile	<2.60	F1 F2	99.1	58.36	F1	mg/L		59	67 - 134
Isobutanol	<2.40	F1 F2	95.5	49.63	F1	mg/L		52	80 - 125

Method: 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection) (Continued)

Lab Sample ID: 310-313508-1 MSD
Matrix: Water
Analysis Batch: 464133

Client Sample ID: AW-1_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetonitrile	<2.60	F1 F2	99.1	84.04	F2	mg/L		85	67 - 134	36	23
Isobutanol	<2.40	F1 F2	95.5	82.76	F2	mg/L		87	80 - 125	50	20

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: LB 310-463979/1-B
Matrix: Water
Analysis Batch: 464115

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464063

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0242		0.0970	0.0242	ug/L		08/19/25 09:56	08/19/25 17:52	1
4,4'-DDE	<0.0291		0.0970	0.0291	ug/L		08/19/25 09:56	08/19/25 17:52	1
4,4'-DDT	<0.0194		0.0970	0.0194	ug/L		08/19/25 09:56	08/19/25 17:52	1
Aldrin	<0.0213		0.0970	0.0213	ug/L		08/19/25 09:56	08/19/25 17:52	1
alpha-BHC	<0.00970		0.0970	0.00970	ug/L		08/19/25 09:56	08/19/25 17:52	1
beta-BHC	<0.0407		0.0970	0.0407	ug/L		08/19/25 09:56	08/19/25 17:52	1
Chlordane (technical)	<0.378		1.94	0.378	ug/L		08/19/25 09:56	08/19/25 17:52	1
delta-BHC	<0.0310		0.0970	0.0310	ug/L		08/19/25 09:56	08/19/25 17:52	1
Dieldrin	<0.0204		0.0970	0.0204	ug/L		08/19/25 09:56	08/19/25 17:52	1
Endosulfan I	<0.0271		0.0970	0.0271	ug/L		08/19/25 09:56	08/19/25 17:52	1
Endosulfan II	<0.0252		0.0970	0.0252	ug/L		08/19/25 09:56	08/19/25 17:52	1
Endosulfan sulfate	<0.0175		0.0970	0.0175	ug/L		08/19/25 09:56	08/19/25 17:52	1
Endrin	<0.0271		0.0970	0.0271	ug/L		08/19/25 09:56	08/19/25 17:52	1
Endrin aldehyde	<0.0262		0.0970	0.0262	ug/L		08/19/25 09:56	08/19/25 17:52	1
gamma-BHC (Lindane)	<0.00970		0.0970	0.00970	ug/L		08/19/25 09:56	08/19/25 17:52	1
Heptachlor	<0.0223		0.0970	0.0223	ug/L		08/19/25 09:56	08/19/25 17:52	1
Heptachlor epoxide	<0.0310		0.0970	0.0310	ug/L		08/19/25 09:56	08/19/25 17:52	1
Methoxychlor	<0.0310		0.0970	0.0310	ug/L		08/19/25 09:56	08/19/25 17:52	1
Toxaphene	<0.970		1.94	0.970	ug/L		08/19/25 09:56	08/19/25 17:52	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*10 - 150*	*08/19/25 09:56*	*08/19/25 17:52*	*1*
Tetrachloro-m-xylene	*76*		*17 - 150*	*08/19/25 09:56*	*08/19/25 17:52*	*1*

Lab Sample ID: MB 310-464063/1-A
Matrix: Water
Analysis Batch: 464115

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464063

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0245		0.0980	0.0245	ug/L		08/19/25 09:56	08/19/25 17:27	1
4,4'-DDE	<0.0294		0.0980	0.0294	ug/L		08/19/25 09:56	08/19/25 17:27	1
4,4'-DDT	<0.0196		0.0980	0.0196	ug/L		08/19/25 09:56	08/19/25 17:27	1
Aldrin	<0.0216		0.0980	0.0216	ug/L		08/19/25 09:56	08/19/25 17:27	1
alpha-BHC	<0.00980		0.0980	0.00980	ug/L		08/19/25 09:56	08/19/25 17:27	1
beta-BHC	<0.0412		0.0980	0.0412	ug/L		08/19/25 09:56	08/19/25 17:27	1
Chlordane (technical)	<0.382		1.96	0.382	ug/L		08/19/25 09:56	08/19/25 17:27	1
delta-BHC	<0.0314		0.0980	0.0314	ug/L		08/19/25 09:56	08/19/25 17:27	1
Dieldrin	<0.0206		0.0980	0.0206	ug/L		08/19/25 09:56	08/19/25 17:27	1
Endosulfan I	<0.0275		0.0980	0.0275	ug/L		08/19/25 09:56	08/19/25 17:27	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 310-464063/1-A
Matrix: Water
Analysis Batch: 464115

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464063

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	<0.0255		0.0980	0.0255	ug/L		08/19/25 09:56	08/19/25 17:27	1
Endosulfan sulfate	<0.0176		0.0980	0.0176	ug/L		08/19/25 09:56	08/19/25 17:27	1
Endrin	<0.0275		0.0980	0.0275	ug/L		08/19/25 09:56	08/19/25 17:27	1
Endrin aldehyde	<0.0265		0.0980	0.0265	ug/L		08/19/25 09:56	08/19/25 17:27	1
gamma-BHC (Lindane)	<0.00980		0.0980	0.00980	ug/L		08/19/25 09:56	08/19/25 17:27	1
Heptachlor	<0.0225		0.0980	0.0225	ug/L		08/19/25 09:56	08/19/25 17:27	1
Heptachlor epoxide	<0.0314		0.0980	0.0314	ug/L		08/19/25 09:56	08/19/25 17:27	1
Methoxychlor	<0.0314		0.0980	0.0314	ug/L		08/19/25 09:56	08/19/25 17:27	1
Toxaphene	<0.980		1.96	0.980	ug/L		08/19/25 09:56	08/19/25 17:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*10 - 150*	*08/19/25 09:56*	*08/19/25 17:27*	*1*
Tetrachloro-m-xylene	*71*		*17 - 150*	*08/19/25 09:56*	*08/19/25 17:27*	*1*

Lab Sample ID: LCS 310-464063/28-A
Matrix: Water
Analysis Batch: 464115

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464063

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDD			2.77	2.146		ug/L		77	28 - 150		
4,4'-DDE			2.77	1.867		ug/L		67	10 - 150		
4,4'-DDT			2.77	2.732		ug/L		99	10 - 150		
Aldrin			2.77	1.105		ug/L		40	10 - 146		
alpha-BHC			2.77	2.381		ug/L		86	57 - 149		
beta-BHC			2.77	2.299		ug/L		83	53 - 145		
delta-BHC			2.77	2.212		ug/L		80	49 - 148		
Dieldrin			2.77	2.166		ug/L		78	43 - 150		
Endosulfan I			2.77	1.368		ug/L		49	26 - 133		
Endosulfan II			2.77	1.522		ug/L		55	38 - 139		
Endosulfan sulfate			2.77	2.736		ug/L		99	54 - 150		
Endrin			2.77	2.176		ug/L		79	41 - 150		
Endrin aldehyde			2.77	2.267		ug/L		82	42 - 147		
gamma-BHC (Lindane)			2.77	2.368		ug/L		85	57 - 150		
Heptachlor			2.77	1.408		ug/L		51	16 - 135		
Heptachlor epoxide			2.77	2.151		ug/L		78	49 - 150		
Methoxychlor			2.77	2.661		ug/L		96	16 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*50*		*10 - 150*
Tetrachloro-m-xylene	*57*		*17 - 150*

Lab Sample ID: LB 310-464103/1-E
Matrix: Water
Analysis Batch: 464747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464511

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0233		0.0933	0.0233	ug/L		08/22/25 11:51	08/26/25 11:14	1
4,4'-DDE	<0.0280		0.0933	0.0280	ug/L		08/22/25 11:51	08/26/25 11:14	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 310-464103/1-E
Matrix: Water
Analysis Batch: 464747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464511

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	<0.0187		0.0933	0.0187	ug/L		08/22/25 11:51	08/26/25 11:14	1
Aldrin	<0.0205		0.0933	0.0205	ug/L		08/22/25 11:51	08/26/25 11:14	1
alpha-BHC	<0.00933		0.0933	0.00933	ug/L		08/22/25 11:51	08/26/25 11:14	1
beta-BHC	<0.0392		0.0933	0.0392	ug/L		08/22/25 11:51	08/26/25 11:14	1
Chlordane (technical)	<0.364		1.87	0.364	ug/L		08/22/25 11:51	08/26/25 11:14	1
delta-BHC	<0.0299		0.0933	0.0299	ug/L		08/22/25 11:51	08/26/25 11:14	1
Dieldrin	<0.0196		0.0933	0.0196	ug/L		08/22/25 11:51	08/26/25 11:14	1
Endosulfan I	<0.0261		0.0933	0.0261	ug/L		08/22/25 11:51	08/26/25 11:14	1
Endosulfan II	<0.0243		0.0933	0.0243	ug/L		08/22/25 11:51	08/26/25 11:14	1
Endosulfan sulfate	<0.0168		0.0933	0.0168	ug/L		08/22/25 11:51	08/26/25 11:14	1
Endrin	<0.0261		0.0933	0.0261	ug/L		08/22/25 11:51	08/26/25 11:14	1
Endrin aldehyde	<0.0252		0.0933	0.0252	ug/L		08/22/25 11:51	08/26/25 11:14	1
gamma-BHC (Lindane)	<0.00933		0.0933	0.00933	ug/L		08/22/25 11:51	08/26/25 11:14	1
Heptachlor	<0.0215		0.0933	0.0215	ug/L		08/22/25 11:51	08/26/25 11:14	1
Heptachlor epoxide	<0.0299		0.0933	0.0299	ug/L		08/22/25 11:51	08/26/25 11:14	1
Methoxychlor	<0.0299		0.0933	0.0299	ug/L		08/22/25 11:51	08/26/25 11:14	1
Toxaphene	<0.933		1.87	0.933	ug/L		08/22/25 11:51	08/26/25 11:14	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*10 - 150*	*08/22/25 11:51*	*08/26/25 11:14*	*1*
Tetrachloro-m-xylene	*84*		*17 - 150*	*08/22/25 11:51*	*08/26/25 11:14*	*1*

Lab Sample ID: MB 310-464511/1-A
Matrix: Water
Analysis Batch: 464747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464511

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0246		0.0983	0.0246	ug/L		08/22/25 11:51	08/26/25 10:48	1
4,4'-DDE	<0.0295		0.0983	0.0295	ug/L		08/22/25 11:51	08/26/25 10:48	1
4,4'-DDT	<0.0197		0.0983	0.0197	ug/L		08/22/25 11:51	08/26/25 10:48	1
Aldrin	<0.0216		0.0983	0.0216	ug/L		08/22/25 11:51	08/26/25 10:48	1
alpha-BHC	<0.00983		0.0983	0.00983	ug/L		08/22/25 11:51	08/26/25 10:48	1
beta-BHC	<0.0413		0.0983	0.0413	ug/L		08/22/25 11:51	08/26/25 10:48	1
Chlordane (technical)	<0.383		1.97	0.383	ug/L		08/22/25 11:51	08/26/25 10:48	1
delta-BHC	<0.0315		0.0983	0.0315	ug/L		08/22/25 11:51	08/26/25 10:48	1
Dieldrin	<0.0206		0.0983	0.0206	ug/L		08/22/25 11:51	08/26/25 10:48	1
Endosulfan I	<0.0275		0.0983	0.0275	ug/L		08/22/25 11:51	08/26/25 10:48	1
Endosulfan II	<0.0256		0.0983	0.0256	ug/L		08/22/25 11:51	08/26/25 10:48	1
Endosulfan sulfate	<0.0177		0.0983	0.0177	ug/L		08/22/25 11:51	08/26/25 10:48	1
Endrin	<0.0275		0.0983	0.0275	ug/L		08/22/25 11:51	08/26/25 10:48	1
Endrin aldehyde	<0.0265		0.0983	0.0265	ug/L		08/22/25 11:51	08/26/25 10:48	1
gamma-BHC (Lindane)	<0.00983		0.0983	0.00983	ug/L		08/22/25 11:51	08/26/25 10:48	1
Heptachlor	<0.0226		0.0983	0.0226	ug/L		08/22/25 11:51	08/26/25 10:48	1
Heptachlor epoxide	<0.0315		0.0983	0.0315	ug/L		08/22/25 11:51	08/26/25 10:48	1
Methoxychlor	<0.0315		0.0983	0.0315	ug/L		08/22/25 11:51	08/26/25 10:48	1
Toxaphene	<0.983		1.97	0.983	ug/L		08/22/25 11:51	08/26/25 10:48	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 310-464511/1-A
Matrix: Water
Analysis Batch: 464747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464511

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	57		10 - 150	08/22/25 11:51	08/26/25 10:48	1
Tetrachloro-m-xylene	72		17 - 150	08/22/25 11:51	08/26/25 10:48	1

Lab Sample ID: LCS 310-464511/32-A
Matrix: Water
Analysis Batch: 464747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464511

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	2.77	1.995		ug/L		72	28 - 150
4,4'-DDE	2.77	1.666		ug/L		60	10 - 150
4,4'-DDT	2.77	2.361		ug/L		85	10 - 150
Aldrin	2.77	1.392		ug/L		50	10 - 146
alpha-BHC	2.77	2.419		ug/L		87	57 - 149
beta-BHC	2.77	2.275		ug/L		82	53 - 145
delta-BHC	2.77	2.228		ug/L		80	49 - 148
Dieldrin	2.77	2.265		ug/L		82	43 - 150
Endosulfan I	2.77	1.315		ug/L		47	26 - 133
Endosulfan II	2.77	1.484		ug/L		54	38 - 139
Endosulfan sulfate	2.77	2.795		ug/L		101	54 - 150
Endrin	2.77	2.322		ug/L		84	41 - 150
Endrin aldehyde	2.77	2.110		ug/L		76	42 - 147
gamma-BHC (Lindane)	2.77	2.421		ug/L		87	57 - 150
Heptachlor	2.77	1.747		ug/L		63	16 - 135
Heptachlor epoxide	2.77	2.353		ug/L		85	49 - 150
Methoxychlor	2.77	2.803		ug/L		101	16 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	51		10 - 150
Tetrachloro-m-xylene	71		17 - 150

Lab Sample ID: 310-313006-C-1-D MS
Matrix: Water
Analysis Batch: 464115

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 464063

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	<0.0239		2.67	1.967		ug/L		74	15 - 150
4,4'-DDE	<0.0287		2.67	1.773		ug/L		66	10 - 150
4,4'-DDT	<0.0191		2.67	2.284		ug/L		86	10 - 150
Aldrin	0.0422	J	2.67	1.200		ug/L		43	10 - 150
alpha-BHC	<0.00956		2.67	2.101		ug/L		79	33 - 150
beta-BHC	<0.0402		2.67	2.090		ug/L		78	32 - 150
delta-BHC	<0.0306		2.67	2.030		ug/L		76	30 - 150
Dieldrin	<0.0201		2.67	2.031		ug/L		76	24 - 150
Endosulfan I	<0.0268		2.67	1.154		ug/L		43	10 - 150
Endosulfan II	<0.0249		2.67	1.293		ug/L		48	14 - 150
Endosulfan sulfate	<0.0172		2.67	2.657		ug/L		100	39 - 150
Endrin	<0.0268		2.67	2.021		ug/L		76	18 - 150
Endrin aldehyde	<0.0258		2.67	1.960		ug/L		74	26 - 150

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 310-313006-C-1-D MS
Matrix: Water
Analysis Batch: 464115

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 464063

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
gamma-BHC (Lindane)	<0.00956		2.67	2.141		ug/L		80	35 - 150
Heptachlor	<0.0220		2.67	1.425		ug/L		53	10 - 150
Heptachlor epoxide	<0.0306		2.67	2.029		ug/L		76	26 - 150
Methoxychlor	<0.0306		2.67	2.377		ug/L		89	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*38*		*10 - 150*
Tetrachloro-m-xylene	*67*		*17 - 150*

Lab Sample ID: 310-313006-C-1-E MSD
Matrix: Water
Analysis Batch: 464115

Client Sample ID: Matrix Spike Duplicate
Prep Type: TCLP
Prep Batch: 464063

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	<0.0239		2.65	1.964		ug/L		74	15 - 150	0	35
4,4'-DDE	<0.0287		2.65	1.801		ug/L		68	10 - 150	2	35
4,4'-DDT	<0.0191		2.65	2.288		ug/L		86	10 - 150	0	35
Aldrin	0.0422	J	2.65	1.073		ug/L		39	10 - 150	11	35
alpha-BHC	<0.00956		2.65	2.040		ug/L		77	33 - 150	3	35
beta-BHC	<0.0402		2.65	2.080		ug/L		78	32 - 150	0	35
delta-BHC	<0.0306		2.65	2.013		ug/L		76	30 - 150	2	35
Dieldrin	<0.0201		2.65	2.006		ug/L		76	24 - 150	1	35
Endosulfan I	<0.0268		2.65	1.142		ug/L		43	10 - 150	1	35
Endosulfan II	<0.0249		2.65	1.287		ug/L		49	14 - 150	1	35
Endosulfan sulfate	<0.0172		2.65	2.659		ug/L		100	39 - 150	0	35
Endrin	<0.0268		2.65	1.984		ug/L		75	18 - 150	2	35
Endrin aldehyde	<0.0258		2.65	1.941		ug/L		73	26 - 150	1	35
gamma-BHC (Lindane)	<0.00956		2.65	2.109		ug/L		80	35 - 150	2	35
Heptachlor	<0.0220		2.65	1.257		ug/L		47	10 - 150	13	35
Heptachlor epoxide	<0.0306		2.65	1.984		ug/L		75	26 - 150	2	35
Methoxychlor	<0.0306		2.65	2.354		ug/L		89	10 - 150	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*33*		*10 - 150*
Tetrachloro-m-xylene	*60*		*17 - 150*

Lab Sample ID: 310-313099-B-1-E MS
Matrix: Water
Analysis Batch: 464747

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 464511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	<0.0231		2.65	2.149		ug/L		81	15 - 150
4,4'-DDE	<0.0278		2.65	1.999		ug/L		75	10 - 150
4,4'-DDT	<0.0185		2.65	2.853		ug/L		108	10 - 150
Aldrin	<0.0204		2.65	1.898		ug/L		72	10 - 150
alpha-BHC	<0.00926		2.65	2.278		ug/L		86	33 - 150
beta-BHC	<0.0389		2.65	2.176		ug/L		82	32 - 150
delta-BHC	<0.0296		2.65	2.178		ug/L		82	30 - 150

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 310-313099-B-1-E MS
Matrix: Water
Analysis Batch: 464747

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 464511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dieldrin	<0.0194		2.65	2.281		ug/L		86	24 - 150
Endosulfan I	<0.0259		2.65	1.246		ug/L		47	10 - 150
Endosulfan II	<0.0241		2.65	1.378		ug/L		52	14 - 150
Endosulfan sulfate	<0.0167		2.65	3.034		ug/L		114	39 - 150
Endrin	<0.0259		2.65	2.426		ug/L		91	18 - 150
Endrin aldehyde	<0.0250		2.65	2.078		ug/L		78	26 - 150
gamma-BHC (Lindane)	<0.00926		2.65	2.330		ug/L		88	35 - 150
Heptachlor	<0.0213		2.65	2.246		ug/L		85	10 - 150
Heptachlor epoxide	<0.0296		2.65	2.337		ug/L		88	26 - 150
Methoxychlor	<0.0296		2.65	3.093		ug/L		117	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*64*		*10 - 150*
Tetrachloro-m-xylene	*87*		*17 - 150*

Lab Sample ID: 310-313099-B-1-F MSD
Matrix: Water
Analysis Batch: 464747

Client Sample ID: Matrix Spike Duplicate
Prep Type: TCLP
Prep Batch: 464511

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	<0.0231		2.67	1.990		ug/L		74	15 - 150	8	35
4,4'-DDE	<0.0278		2.67	1.815		ug/L		68	10 - 150	10	35
4,4'-DDT	<0.0185		2.67	2.602		ug/L		97	10 - 150	9	35
Aldrin	<0.0204		2.67	1.851		ug/L		69	10 - 150	2	35
alpha-BHC	<0.00926		2.67	2.144		ug/L		80	33 - 150	6	35
beta-BHC	<0.0389		2.67	2.053		ug/L		77	32 - 150	6	35
delta-BHC	<0.0296		2.67	2.051		ug/L		77	30 - 150	6	35
Dieldrin	<0.0194		2.67	2.140		ug/L		80	24 - 150	6	35
Endosulfan I	<0.0259		2.67	1.170		ug/L		44	10 - 150	6	35
Endosulfan II	<0.0241		2.67	1.294		ug/L		48	14 - 150	1	35
Endosulfan sulfate	<0.0167		2.67	2.843		ug/L		106	39 - 150	7	35
Endrin	<0.0259		2.67	2.273		ug/L		85	18 - 150	7	35
Endrin aldehyde	<0.0250		2.67	2.025		ug/L		76	26 - 150	3	35
gamma-BHC (Lindane)	<0.00926		2.67	2.188		ug/L		82	35 - 150	6	35
Heptachlor	<0.0213		2.67	2.180		ug/L		82	10 - 150	3	35
Heptachlor epoxide	<0.0296		2.67	2.198		ug/L		82	26 - 150	6	35
Methoxychlor	<0.0296		2.67	2.874	p	ug/L		107	10 - 150	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*49*		*10 - 150*
Tetrachloro-m-xylene	*82*		*17 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 310-464063/1-A
Matrix: Water
Analysis Batch: 464117

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464063

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.804		1.96	0.804	ug/L		08/19/25 09:56	08/19/25 17:27	1
PCB-1221	<0.804		1.96	0.804	ug/L		08/19/25 09:56	08/19/25 17:27	1
PCB-1232	<0.804		1.96	0.804	ug/L		08/19/25 09:56	08/19/25 17:27	1
PCB-1242	<0.804		1.96	0.804	ug/L		08/19/25 09:56	08/19/25 17:27	1
PCB-1248	<0.676		1.96	0.676	ug/L		08/19/25 09:56	08/19/25 17:27	1
PCB-1254	<0.676		1.96	0.676	ug/L		08/19/25 09:56	08/19/25 17:27	1
PCB-1260	<0.676		1.96	0.676	ug/L		08/19/25 09:56	08/19/25 17:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*10 - 150*	*08/19/25 09:56*	*08/19/25 17:27*	*1*
Tetrachloro-m-xylene	*73*		*17 - 150*	*08/19/25 09:56*	*08/19/25 17:27*	*1*

Lab Sample ID: LCS 310-464063/27-A
Matrix: Water
Analysis Batch: 464449

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464063

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			27.8	17.19		ug/L		62	25 - 150		
PCB-1260			27.8	17.79		ug/L		64	14 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*47*		*10 - 150*
Tetrachloro-m-xylene	*47*		*17 - 150*

Lab Sample ID: 310-313508-18 MS
Matrix: Water
Analysis Batch: 464449

Client Sample ID: FD-1_25_08
Prep Type: Total/NA
Prep Batch: 464063

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	<0.734		25.5	15.82		ug/L		62	25 - 150		
PCB-1260	<0.618		25.5	14.51		ug/L		57	10 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*24*		*10 - 150*
Tetrachloro-m-xylene	*59*		*17 - 150*

Lab Sample ID: 310-313508-18 MSD
Matrix: Water
Analysis Batch: 464449

Client Sample ID: FD-1_25_08
Prep Type: Total/NA
Prep Batch: 464063

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<0.734		25.8	18.08		ug/L		70	25 - 150	13	35
PCB-1260	<0.618		25.8	16.13		ug/L		63	10 - 150	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*31*		*10 - 150*
Tetrachloro-m-xylene	*89*		*17 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LB 310-464396/1-D
Matrix: Water
Analysis Batch: 464749

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464511

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.767		1.87	0.767	ug/L		08/22/25 11:51	08/26/25 12:45	1
PCB-1221	<0.767		1.87	0.767	ug/L		08/22/25 11:51	08/26/25 12:45	1
PCB-1232	<0.767		1.87	0.767	ug/L		08/22/25 11:51	08/26/25 12:45	1
PCB-1242	<0.767		1.87	0.767	ug/L		08/22/25 11:51	08/26/25 12:45	1
PCB-1248	<0.646		1.87	0.646	ug/L		08/22/25 11:51	08/26/25 12:45	1
PCB-1254	<0.646		1.87	0.646	ug/L		08/22/25 11:51	08/26/25 12:45	1
PCB-1260	<0.646		1.87	0.646	ug/L		08/22/25 11:51	08/26/25 12:45	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*64*		*10 - 150*	*08/22/25 11:51*	*08/26/25 12:45*	*1*
Tetrachloro-m-xylene	*68*		*17 - 150*	*08/22/25 11:51*	*08/26/25 12:45*	*1*

Lab Sample ID: MB 310-464511/1-A
Matrix: Water
Analysis Batch: 464749

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464511

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.806		1.97	0.806	ug/L		08/22/25 11:51	08/26/25 10:48	1
PCB-1221	<0.806		1.97	0.806	ug/L		08/22/25 11:51	08/26/25 10:48	1
PCB-1232	<0.806		1.97	0.806	ug/L		08/22/25 11:51	08/26/25 10:48	1
PCB-1242	<0.806		1.97	0.806	ug/L		08/22/25 11:51	08/26/25 10:48	1
PCB-1248	<0.678		1.97	0.678	ug/L		08/22/25 11:51	08/26/25 10:48	1
PCB-1254	<0.678		1.97	0.678	ug/L		08/22/25 11:51	08/26/25 10:48	1
PCB-1260	<0.678		1.97	0.678	ug/L		08/22/25 11:51	08/26/25 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*58*		*10 - 150*	*08/22/25 11:51*	*08/26/25 10:48*	*1*
Tetrachloro-m-xylene	*74*		*17 - 150*	*08/22/25 11:51*	*08/26/25 10:48*	*1*

Lab Sample ID: LCS 310-464511/8-A
Matrix: Water
Analysis Batch: 464749

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464511

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	28.0	19.30		ug/L		69	25 - 150
PCB-1260	28.0	17.99		ug/L		64	14 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*52*		*10 - 150*
Tetrachloro-m-xylene	*85*		*17 - 150*

Lab Sample ID: 310-313100-B-1-I MS
Matrix: Water
Analysis Batch: 464749

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 464511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	<0.774		26.7	12.80		ug/L		48	25 - 150
PCB-1260	<0.651		26.7	8.596		ug/L		32	10 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	26		10 - 150
Tetrachloro-m-xylene	54		17 - 150

Lab Sample ID: 310-313100-B-1-J MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: TCLP**
Analysis Batch: 464749 — **Prep Batch: 464511**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<0.774		26.2	11.26		ug/L		43	25 - 150	13	35
PCB-1260	<0.651		26.2	8.152		ug/L		31	10 - 150	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	15		10 - 150
Tetrachloro-m-xylene	46		17 - 150

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 500-830739/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 830878 — **Prep Batch: 830739**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.126		1.00	0.126	ug/L		08/20/25 07:38	08/20/25 17:30	1
Silvex (2,4,5-TP)	<0.105		1.00	0.105	ug/L		08/20/25 07:38	08/20/25 17:30	1
2,4,5-T	<0.140		1.00	0.140	ug/L		08/20/25 07:38	08/20/25 17:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	107		25 - 130	08/20/25 07:38	08/20/25 17:30	1

Lab Sample ID: LCS 500-830739/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 830878 — **Prep Batch: 830739**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-D	10.0	10.80		ug/L		108	30 - 115
Silvex (2,4,5-TP)	2.50	3.284	*+	ug/L		131	32 - 115
2,4,5-T	2.53	2.939	*+	ug/L		116	30 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCAA	122		25 - 130

Lab Sample ID: LCSD 500-830739/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 830878 — **Prep Batch: 830739**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D	10.0	8.797	*1	ug/L		88	30 - 115	39	20
Silvex (2,4,5-TP)	2.50	2.706		ug/L		108	32 - 115	18	20
2,4,5-T	2.53	2.399	*1	ug/L		95	30 - 115	33	20

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 500-830739/3-A
Matrix: Water
Analysis Batch: 830878

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 830739

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCAA	106		25 - 130

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-464141/1-A
Matrix: Water
Analysis Batch: 464855

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/20/25 09:00	08/26/25 13:27	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/20/25 09:00	08/26/25 13:27	1
Barium	<0.000660		0.00200	0.000660	mg/L		08/20/25 09:00	08/26/25 13:27	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/20/25 09:00	08/26/25 13:27	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/20/25 09:00	08/26/25 13:27	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/20/25 09:00	08/26/25 13:27	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/20/25 09:00	08/26/25 13:27	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/20/25 09:00	08/26/25 13:27	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/20/25 09:00	08/26/25 13:27	1
Nickel	<0.00230		0.00500	0.00230	mg/L		08/20/25 09:00	08/26/25 13:27	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/20/25 09:00	08/26/25 13:27	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/20/25 09:00	08/26/25 13:27	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/20/25 09:00	08/26/25 13:27	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/20/25 09:00	08/26/25 13:27	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/20/25 09:00	08/26/25 13:27	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/20/25 09:00	08/26/25 13:27	1

Lab Sample ID: LCS 310-464141/2-A
Matrix: Water
Analysis Batch: 464855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.1870		mg/L		93	80 - 120
Arsenic	0.200	0.1808		mg/L		90	80 - 120
Barium	0.100	0.08934		mg/L		89	80 - 120
Beryllium	0.100	0.08793		mg/L		88	80 - 120
Cadmium	0.100	0.09193		mg/L		92	80 - 120
Chromium	0.100	0.09343		mg/L		93	80 - 120
Cobalt	0.100	0.09308		mg/L		93	80 - 120
Copper	0.200	0.1856		mg/L		93	80 - 120
Lead	0.200	0.1824		mg/L		91	80 - 120
Nickel	0.200	0.1841		mg/L		92	80 - 120
Selenium	0.400	0.3495		mg/L		87	80 - 120
Silver	0.100	0.1071		mg/L		107	80 - 120
Thallium	0.100	0.08658		mg/L		87	80 - 120
Tin	0.200	0.1891		mg/L		95	80 - 120
Vanadium	0.100	0.08700		mg/L		87	80 - 120
Zinc	0.200	0.1714		mg/L		86	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-313508-1 MS
Client Sample ID: AW-1_25_08
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 464855
Prep Batch: 464141

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00100		0.200	0.1926		mg/L		96	75 - 125
Arsenic	0.0354		0.200	0.2184		mg/L		92	75 - 125
Barium	0.114		0.100	0.1996		mg/L		85	75 - 125
Beryllium	<0.000330		0.100	0.09181		mg/L		92	75 - 125
Cadmium	<0.000100		0.100	0.09122		mg/L		91	75 - 125
Chromium	<0.00180		0.100	0.09109		mg/L		91	75 - 125
Cobalt	0.00158		0.100	0.09262		mg/L		91	75 - 125
Copper	<0.00320		0.200	0.1764		mg/L		88	75 - 125
Lead	<0.000330		0.200	0.1712		mg/L		86	75 - 125
Nickel	0.0275		0.200	0.2028		mg/L		88	75 - 125
Selenium	<0.00140		0.400	0.3553		mg/L		89	75 - 125
Silver	<0.000500		0.100	0.09920		mg/L		99	75 - 125
Thallium	0.00143		0.100	0.07685		mg/L		75	75 - 125
Tin	<0.00250		0.200	0.1859		mg/L		93	75 - 125
Vanadium	<0.00170		0.100	0.08807		mg/L		88	75 - 125
Zinc	0.0156	J	0.200	0.1825		mg/L		83	75 - 125

Lab Sample ID: 310-313508-1 MSD
Client Sample ID: AW-1_25_08
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 464855
Prep Batch: 464141

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00100		0.200	0.2004		mg/L		100	75 - 125	4	20
Arsenic	0.0354		0.200	0.2211		mg/L		93	75 - 125	1	20
Barium	0.114		0.100	0.2003		mg/L		86	75 - 125	0	20
Beryllium	<0.000330		0.100	0.09262		mg/L		93	75 - 125	1	20
Cadmium	<0.000100		0.100	0.09246		mg/L		92	75 - 125	1	20
Chromium	<0.00180		0.100	0.09301		mg/L		93	75 - 125	2	20
Cobalt	0.00158		0.100	0.09345		mg/L		92	75 - 125	1	20
Copper	<0.00320		0.200	0.1775		mg/L		89	75 - 125	1	20
Lead	<0.000330		0.200	0.1799		mg/L		90	75 - 125	5	20
Nickel	0.0275		0.200	0.2040		mg/L		88	75 - 125	1	20
Selenium	<0.00140		0.400	0.3613		mg/L		90	75 - 125	2	20
Silver	<0.000500		0.100	0.1003		mg/L		100	75 - 125	1	20
Thallium	0.00143		0.100	0.08389		mg/L		82	75 - 125	9	20
Tin	<0.00250		0.200	0.2050		mg/L		102	75 - 125	10	20
Vanadium	<0.00170		0.100	0.08826		mg/L		88	75 - 125	0	20
Zinc	0.0156	J	0.200	0.1864		mg/L		85	75 - 125	2	20

Lab Sample ID: 310-313508-11 DU
Client Sample ID: MW-23_25_08
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 464855
Prep Batch: 464141

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00100		<0.00100		mg/L		NC	20
Arsenic	0.000890	J	0.0009100	J	mg/L		2	20
Barium	0.113		0.1165		mg/L		3	20
Beryllium	<0.000330		<0.000330		mg/L		NC	20
Cadmium	0.000114	J	0.0001070	J	mg/L		6	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-313508-11 DU
Matrix: Water
Analysis Batch: 464855

Client Sample ID: MW-23_25_08
Prep Type: Total/NA
Prep Batch: 464141

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium	<0.00180		<0.00180		mg/L		NC	20
Cobalt	0.00166		0.001725		mg/L		4	20
Copper	<0.00320		<0.00320		mg/L		NC	20
Lead	<0.000330		<0.000330		mg/L		NC	20
Nickel	0.0199		0.02067		mg/L		4	20
Selenium	<0.00140		<0.00140		mg/L		NC	20
Silver	<0.000500		<0.000500		mg/L		NC	20
Thallium	0.00103		0.001071		mg/L		4	20
Tin	<0.00250		<0.00250		mg/L		NC	20
Vanadium	<0.00170		<0.00170		mg/L		NC	20
Zinc	0.0698		0.07229		mg/L		4	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-464229/1-A
Matrix: Water
Analysis Batch: 464400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464229

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0002149		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 10:27	1

Lab Sample ID: LCS 310-464229/2-A
Matrix: Water
Analysis Batch: 464400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464229

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00169	0.001821		mg/L		107	80 - 120

Lab Sample ID: MB 310-464232/1-A
Matrix: Water
Analysis Batch: 464400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/20/25 14:30	08/21/25 09:29	1

Lab Sample ID: LCS 310-464232/2-A
Matrix: Water
Analysis Batch: 464400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00169	0.001768		mg/L		104	80 - 120

Lab Sample ID: 310-313508-15 MS
Matrix: Water
Analysis Batch: 464400

Client Sample ID: VP-4_25_08
Prep Type: Total/NA
Prep Batch: 464232

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000110		0.00167	0.001750		mg/L		105	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 310-313508-15 MSD — **Client Sample ID: VP-4_25_08**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 464400 — **Prep Batch: 464232**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000110		0.00167	0.001736		mg/L		104	80 - 120	1	20

Lab Sample ID: 310-313432-A-12-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 464400 — **Prep Batch: 464229**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000110		0.00167	0.001827		mg/L		110	80 - 120

Lab Sample ID: 310-313432-A-12-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 464400 — **Prep Batch: 464229**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000110		0.00167	0.001796		mg/L		108	80 - 120	2	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 310-464049/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 464154 — **Prep Batch: 464049**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.00350		0.0100	0.00350	mg/L		08/19/25 09:19	08/19/25 22:31	1

Lab Sample ID: LCS 310-464049/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 464154 — **Prep Batch: 464049**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.1989		mg/L		99	90 - 110

Lab Sample ID: 310-313363-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 464154 — **Prep Batch: 464049**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.00899	J	0.200	0.2108		mg/L		101	63 - 122

Lab Sample ID: 310-313363-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 464154 — **Prep Batch: 464049**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.00899	J	0.200	0.1906		mg/L		91	63 - 122	10	35

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: MB 310-464194/1-A
Matrix: Water
Analysis Batch: 464563

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464194

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.00350		0.0100	0.00350	mg/L		08/20/25 09:10	08/22/25 18:48	1

Lab Sample ID: LCS 310-464194/2-A
Matrix: Water
Analysis Batch: 464563

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464194

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.1881		mg/L		94	90 - 110

Lab Sample ID: 310-313441-A-2-B MS
Matrix: Water
Analysis Batch: 464563

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 464194

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	<0.00350		0.200	0.1254		mg/L		63	63 - 122

Lab Sample ID: 310-313441-A-2-C MSD
Matrix: Water
Analysis Batch: 464563

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 464194

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.00350		0.200	0.1434		mg/L		72	63 - 122	13	35

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-830880/1-A
Matrix: Water
Analysis Batch: 830883

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 830880

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.231		1.00	0.231	mg/L		08/20/25 16:20	08/20/25 16:40	1

Lab Sample ID: LCS 500-830880/2-A
Matrix: Water
Analysis Batch: 830883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 830880

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.51	3.670		mg/L		104	80 - 120

Lab Sample ID: 310-313508-2 MS
Matrix: Water
Analysis Batch: 830883

Client Sample ID: AW-2_25_08
Prep Type: Total/NA
Prep Batch: 830880

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<0.231		3.51	3.182		mg/L		91	75 - 125

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: 310-313508-C-2-E MSD — **Client Sample ID: 310-313508-C-2-E MSD**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 830883 — **Prep Batch: 830880**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.231		3.51	3.087		mg/L		88	75 - 125	3	20

Lab Sample ID: MB 500-831061/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 831084 — **Prep Batch: 831061**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.231		1.00	0.231	mg/L		08/21/25 14:30	08/21/25 16:00	1

Lab Sample ID: LCS 500-831061/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 831084 — **Prep Batch: 831061**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.51	3.590		mg/L		102	80 - 120

Lab Sample ID: 310-313508-19 MS — **Client Sample ID: FB-1_25_08**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 831084 — **Prep Batch: 831061**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<0.231	F1	3.51	1.890	F1	mg/L		54	75 - 125

Lab Sample ID: 310-313508-19 MSD — **Client Sample ID: FB-1_25_08**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 831084 — **Prep Batch: 831061**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.231	F1	3.51	1.921	F1	mg/L		55	75 - 125	2	20

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-463960/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 463960

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<3.50		5.00	3.50	mg/L			08/18/25 12:34	1

Lab Sample ID: LCS 310-463960/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 463960

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	104.0		mg/L		104	82 - 117

Method: I-3765-85 - Residue, Non-filterable (TSS) (Continued)

Lab Sample ID: 310-313508-14 DU
Matrix: Water
Analysis Batch: 463960

Client Sample ID: VP-3_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	22.5		23.00		mg/L		2	35

Lab Sample ID: MB 310-464073/1
Matrix: Water
Analysis Batch: 464073

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<3.50		5.00	3.50	mg/L			08/19/25 10:41	1

Lab Sample ID: LCS 310-464073/2
Matrix: Water
Analysis Batch: 464073

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	113.0		mg/L		113	82 - 117

Lab Sample ID: 310-313503-B-1 DU
Matrix: Water
Analysis Batch: 464073

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	36.0		40.00		mg/L		16	35

Lab Sample ID: MB 310-464090/1
Matrix: Water
Analysis Batch: 464090

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<3.50		5.00	3.50	mg/L			08/19/25 11:38	1

Lab Sample ID: LCS 310-464090/2
Matrix: Water
Analysis Batch: 464090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	105.0		mg/L		105	82 - 117

Lab Sample ID: 310-313508-D-18 DU
Matrix: Water
Analysis Batch: 464090

Client Sample ID: 310-313508-D-18 DU
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	<10.5		69.00		mg/L		NC	35

Lab Sample ID: MB 310-464107/1
Matrix: Water
Analysis Batch: 464107

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<3.50		5.00	3.50	mg/L			08/19/25 13:42	1

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: LCS 310-464107/2
Matrix: Water
Analysis Batch: 464107

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			100	110.0		mg/L		110	82 - 117		

Lab Sample ID: 310-313508-5 DU
Matrix: Water
Analysis Batch: 464107

Client Sample ID: MW-13_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	87.0			86.00		mg/L				1	35

Lab Sample ID: MB 310-464228/1
Matrix: Water
Analysis Batch: 464228

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<3.50		5.00	3.50	mg/L			08/20/25 11:34	1

Lab Sample ID: LCS 310-464228/2
Matrix: Water
Analysis Batch: 464228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			100	98.00		mg/L		98	82 - 117		

Lab Sample ID: 310-313508-8 DU
Matrix: Water
Analysis Batch: 464228

Client Sample ID: MW-16_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	49.0			54.00		mg/L				10	35

GC/MS VOA

Analysis Batch: 463930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	8260D	
310-313508-2	AW-2_25_08	Total/NA	Water	8260D	
310-313508-3	AW-3_25_08	Total/NA	Water	8260D	
310-313508-4	CRL-9_25_08	Total/NA	Water	8260D	
310-313508-5	MW-13_25_08	Total/NA	Water	8260D	
310-313508-6	MW-14_25_08	Total/NA	Water	8260D	
310-313508-7	MW-15_25_08	Total/NA	Water	8260D	
310-313508-8	MW-16_25_08	Total/NA	Water	8260D	
310-313508-9	MW-21_25_08	Total/NA	Water	8260D	
310-313508-10	MW-22_25_08	Total/NA	Water	8260D	
310-313508-11	MW-23_25_08	Total/NA	Water	8260D	
310-313508-12	MW-37_25_08	Total/NA	Water	8260D	
310-313508-13	MW-38_25_08	Total/NA	Water	8260D	
MB 310-463930/6	Method Blank	Total/NA	Water	8260D	
LCS 310-463930/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-463930/8	Lab Control Sample	Total/NA	Water	8260D	
310-313508-1 MS	AW-1_25_08	Total/NA	Water	8260D	
310-313508-1 MSD	AW-1_25_08	Total/NA	Water	8260D	

Analysis Batch: 463932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-16	MW-101A_25_08	Total/NA	Water	8260D	
310-313508-17	MW-101B_25_08	Total/NA	Water	8260D	
310-313508-18	FD-1_25_08	Total/NA	Water	8260D	
310-313508-20	TB-1_25_08	Total/NA	Water	8260D	
MB 310-463932/5	Method Blank	Total/NA	Water	8260D	
LCS 310-463932/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-463932/7	Lab Control Sample	Total/NA	Water	8260D	
310-313508-16 MS	MW-101A_25_08	Total/NA	Water	8260D	
310-313508-16 MSD	MW-101A_25_08	Total/NA	Water	8260D	

Analysis Batch: 463942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-14	VP-3_25_08	Total/NA	Water	8260D	
310-313508-15	VP-4_25_08	Total/NA	Water	8260D	
MB 310-463942/5	Method Blank	Total/NA	Water	8260D	
LCS 310-463942/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-463942/7	Lab Control Sample	Total/NA	Water	8260D	
310-313248-B-19 MS	Matrix Spike	Total/NA	Water	8260D	
310-313248-B-19 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 464079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-19	FB-1_25_08	Total/NA	Water	8260D	
MB 310-464079/5	Method Blank	Total/NA	Water	8260D	
LCS 310-464079/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-464079/7	Lab Control Sample	Total/NA	Water	8260D	
310-313465-B-9 MS	Matrix Spike	Total/NA	Water	8260D	
310-313465-B-9 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

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Prep Batch: 464070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-2	AW-2_25_08	Total/NA	Water	3510C	
310-313508-3	AW-3_25_08	Total/NA	Water	3510C	
310-313508-12	MW-37_25_08	Total/NA	Water	3510C	
310-313508-13	MW-38_25_08	Total/NA	Water	3510C	
310-313508-14	VP-3_25_08	Total/NA	Water	3510C	
310-313508-15	VP-4_25_08	Total/NA	Water	3510C	
MB 310-464070/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-464070/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-464070/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 464176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-2	AW-2_25_08	Total/NA	Water	8270E	464070
310-313508-3	AW-3_25_08	Total/NA	Water	8270E	464070
310-313508-12	MW-37_25_08	Total/NA	Water	8270E	464070
MB 310-464070/1-A	Method Blank	Total/NA	Water	8270E	464070
LCS 310-464070/2-A	Lab Control Sample	Total/NA	Water	8270E	464070
LCSD 310-464070/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	464070

Analysis Batch: 464253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-13	MW-38_25_08	Total/NA	Water	8270E	464070
310-313508-14	VP-3_25_08	Total/NA	Water	8270E	464070
310-313508-15	VP-4_25_08	Total/NA	Water	8270E	464070

Prep Batch: 464385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	3510C	
310-313508-4	CRL-9_25_08	Total/NA	Water	3510C	
310-313508-5	MW-13_25_08	Total/NA	Water	3510C	
310-313508-6	MW-14_25_08	Total/NA	Water	3510C	
310-313508-7	MW-15_25_08	Total/NA	Water	3510C	
310-313508-8	MW-16_25_08	Total/NA	Water	3510C	
310-313508-9	MW-21_25_08	Total/NA	Water	3510C	
310-313508-10	MW-22_25_08	Total/NA	Water	3510C	
310-313508-11	MW-23_25_08	Total/NA	Water	3510C	
310-313508-16	MW-101A_25_08	Total/NA	Water	3510C	
310-313508-17	MW-101B_25_08	Total/NA	Water	3510C	
310-313508-18	FD-1_25_08	Total/NA	Water	3510C	
310-313508-19	FB-1_25_08	Total/NA	Water	3510C	
MB 310-464385/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-464385/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-464385/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 464682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-2	AW-2_25_08	Total/NA	Water	8270E	464070
310-313508-3	AW-3_25_08	Total/NA	Water	8270E	464070
310-313508-12	MW-37_25_08	Total/NA	Water	8270E	464070
310-313508-13	MW-38_25_08	Total/NA	Water	8270E	464070
310-313508-14	VP-3_25_08	Total/NA	Water	8270E	464070

GC/MS Semi VOA (Continued)

Analysis Batch: 464682 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-15	VP-4_25_08	Total/NA	Water	8270E	464070
MB 310-464070/1-A	Method Blank	Total/NA	Water	8270E	464070
LCS 310-464070/2-A	Lab Control Sample	Total/NA	Water	8270E	464070
LCSD 310-464070/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	464070

Analysis Batch: 464999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	8270E	464385
310-313508-4	CRL-9_25_08	Total/NA	Water	8270E	464385
310-313508-5	MW-13_25_08	Total/NA	Water	8270E	464385
310-313508-6	MW-14_25_08	Total/NA	Water	8270E	464385
310-313508-7	MW-15_25_08	Total/NA	Water	8270E	464385
310-313508-8	MW-16_25_08	Total/NA	Water	8270E	464385
310-313508-9	MW-21_25_08	Total/NA	Water	8270E	464385
310-313508-10	MW-22_25_08	Total/NA	Water	8270E	464385
310-313508-11	MW-23_25_08	Total/NA	Water	8270E	464385
310-313508-16	MW-101A_25_08	Total/NA	Water	8270E	464385
310-313508-17	MW-101B_25_08	Total/NA	Water	8270E	464385
310-313508-18	FD-1_25_08	Total/NA	Water	8270E	464385
310-313508-19	FB-1_25_08	Total/NA	Water	8270E	464385
MB 310-464385/1-A	Method Blank	Total/NA	Water	8270E	464385
LCS 310-464385/2-A	Lab Control Sample	Total/NA	Water	8270E	464385
LCSD 310-464385/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	464385

GC Semi VOA

Leach Batch: 463979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-463979/1-B	Method Blank	Total/NA	Water	1311	
310-313006-C-1-D MS	Matrix Spike	TCLP	Water	1311	
310-313006-C-1-E MSD	Matrix Spike Duplicate	TCLP	Water	1311	

Prep Batch: 464063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	3511	
310-313508-2	AW-2_25_08	Total/NA	Water	3511	
310-313508-3	AW-3_25_08	Total/NA	Water	3511	
310-313508-4	CRL-9_25_08	Total/NA	Water	3511	
310-313508-5	MW-13_25_08	Total/NA	Water	3511	
310-313508-6	MW-14_25_08	Total/NA	Water	3511	
310-313508-7	MW-15_25_08	Total/NA	Water	3511	
310-313508-8	MW-16_25_08	Total/NA	Water	3511	
310-313508-9	MW-21_25_08	Total/NA	Water	3511	
310-313508-10	MW-22_25_08	Total/NA	Water	3511	
310-313508-11	MW-23_25_08	Total/NA	Water	3511	
310-313508-12	MW-37_25_08	Total/NA	Water	3511	
310-313508-13	MW-38_25_08	Total/NA	Water	3511	
310-313508-14	VP-3_25_08	Total/NA	Water	3511	
310-313508-15	VP-4_25_08	Total/NA	Water	3511	
310-313508-16	MW-101A_25_08	Total/NA	Water	3511	
310-313508-17	MW-101B_25_08	Total/NA	Water	3511	

GC Semi VOA (Continued)

Prep Batch: 464063 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-18	FD-1_25_08	Total/NA	Water	3511	
LB 310-463979/1-B	Method Blank	Total/NA	Water	3511	463979
MB 310-464063/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-464063/27-A	Lab Control Sample	Total/NA	Water	3511	
LCS 310-464063/28-A	Lab Control Sample	Total/NA	Water	3511	
310-313006-C-1-D MS	Matrix Spike	TCLP	Water	3511	463979
310-313006-C-1-E MSD	Matrix Spike Duplicate	TCLP	Water	3511	463979
310-313508-18 MS	FD-1_25_08	Total/NA	Water	3511	
310-313508-18 MSD	FD-1_25_08	Total/NA	Water	3511	

Leach Batch: 464103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-464103/1-E	Method Blank	Total/NA	Water	1311	
310-313099-B-1-E MS	Matrix Spike	TCLP	Water	1311	
310-313099-B-1-F MSD	Matrix Spike Duplicate	TCLP	Water	1311	

Analysis Batch: 464115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-463979/1-B	Method Blank	Total/NA	Water	8081B	464063
MB 310-464063/1-A	Method Blank	Total/NA	Water	8081B	464063
LCS 310-464063/28-A	Lab Control Sample	Total/NA	Water	8081B	464063
310-313006-C-1-D MS	Matrix Spike	TCLP	Water	8081B	464063
310-313006-C-1-E MSD	Matrix Spike Duplicate	TCLP	Water	8081B	464063

Analysis Batch: 464117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-464063/1-A	Method Blank	Total/NA	Water	8082A	464063

Analysis Batch: 464133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	8015C	
310-313508-2	AW-2_25_08	Total/NA	Water	8015C	
310-313508-3	AW-3_25_08	Total/NA	Water	8015C	
310-313508-4	CRL-9_25_08	Total/NA	Water	8015C	
310-313508-5	MW-13_25_08	Total/NA	Water	8015C	
310-313508-6	MW-14_25_08	Total/NA	Water	8015C	
310-313508-7	MW-15_25_08	Total/NA	Water	8015C	
310-313508-8	MW-16_25_08	Total/NA	Water	8015C	
310-313508-9	MW-21_25_08	Total/NA	Water	8015C	
310-313508-10	MW-22_25_08	Total/NA	Water	8015C	
310-313508-11	MW-23_25_08	Total/NA	Water	8015C	
310-313508-12	MW-37_25_08	Total/NA	Water	8015C	
310-313508-13	MW-38_25_08	Total/NA	Water	8015C	
310-313508-14	VP-3_25_08	Total/NA	Water	8015C	
310-313508-15	VP-4_25_08	Total/NA	Water	8015C	
310-313508-16	MW-101A_25_08	Total/NA	Water	8015C	
310-313508-17	MW-101B_25_08	Total/NA	Water	8015C	
310-313508-18	FD-1_25_08	Total/NA	Water	8015C	
310-313508-19	FB-1_25_08	Total/NA	Water	8015C	
MB 310-464133/6	Method Blank	Total/NA	Water	8015C	
LCS 310-464133/7	Lab Control Sample	Total/NA	Water	8015C	

GC Semi VOA (Continued)

Analysis Batch: 464133 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1 MS	AW-1_25_08	Total/NA	Water	8015C	
310-313508-1 MSD	AW-1_25_08	Total/NA	Water	8015C	

Leach Batch: 464396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-464396/1-D	Method Blank	Total/NA	Water	1311	
310-313100-B-1-I MS	Matrix Spike	TCLP	Water	1311	
310-313100-B-1-J MSD	Matrix Spike Duplicate	TCLP	Water	1311	

Analysis Batch: 464447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	8081B	464063
310-313508-2	AW-2_25_08	Total/NA	Water	8081B	464063
310-313508-3	AW-3_25_08	Total/NA	Water	8081B	464063
310-313508-4	CRL-9_25_08	Total/NA	Water	8081B	464063
310-313508-5	MW-13_25_08	Total/NA	Water	8081B	464063
310-313508-6	MW-14_25_08	Total/NA	Water	8081B	464063
310-313508-7	MW-15_25_08	Total/NA	Water	8081B	464063
310-313508-8	MW-16_25_08	Total/NA	Water	8081B	464063
310-313508-9	MW-21_25_08	Total/NA	Water	8081B	464063
310-313508-10	MW-22_25_08	Total/NA	Water	8081B	464063
310-313508-11	MW-23_25_08	Total/NA	Water	8081B	464063
310-313508-12	MW-37_25_08	Total/NA	Water	8081B	464063
310-313508-13	MW-38_25_08	Total/NA	Water	8081B	464063
310-313508-14	VP-3_25_08	Total/NA	Water	8081B	464063
310-313508-15	VP-4_25_08	Total/NA	Water	8081B	464063
310-313508-16	MW-101A_25_08	Total/NA	Water	8081B	464063
310-313508-17	MW-101B_25_08	Total/NA	Water	8081B	464063
310-313508-18	FD-1_25_08	Total/NA	Water	8081B	464063

Analysis Batch: 464449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	8082A	464063
310-313508-2	AW-2_25_08	Total/NA	Water	8082A	464063
310-313508-3	AW-3_25_08	Total/NA	Water	8082A	464063
310-313508-4	CRL-9_25_08	Total/NA	Water	8082A	464063
310-313508-5	MW-13_25_08	Total/NA	Water	8082A	464063
310-313508-6	MW-14_25_08	Total/NA	Water	8082A	464063
310-313508-7	MW-15_25_08	Total/NA	Water	8082A	464063
310-313508-8	MW-16_25_08	Total/NA	Water	8082A	464063
310-313508-9	MW-21_25_08	Total/NA	Water	8082A	464063
310-313508-10	MW-22_25_08	Total/NA	Water	8082A	464063
310-313508-11	MW-23_25_08	Total/NA	Water	8082A	464063
310-313508-12	MW-37_25_08	Total/NA	Water	8082A	464063
310-313508-13	MW-38_25_08	Total/NA	Water	8082A	464063
310-313508-14	VP-3_25_08	Total/NA	Water	8082A	464063
310-313508-15	VP-4_25_08	Total/NA	Water	8082A	464063
310-313508-16	MW-101A_25_08	Total/NA	Water	8082A	464063
310-313508-17	MW-101B_25_08	Total/NA	Water	8082A	464063
310-313508-18	FD-1_25_08	Total/NA	Water	8082A	464063
LCS 310-464063/27-A	Lab Control Sample	Total/NA	Water	8082A	464063

GC Semi VOA (Continued)

Analysis Batch: 464449 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-18 MS	FD-1_25_08	Total/NA	Water	8082A	464063
310-313508-18 MSD	FD-1_25_08	Total/NA	Water	8082A	464063

Prep Batch: 464511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-19	FB-1_25_08	Total/NA	Water	3511	
LB 310-464103/1-E	Method Blank	Total/NA	Water	3511	464103
LB 310-464396/1-D	Method Blank	Total/NA	Water	3511	464396
MB 310-464511/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-464511/32-A	Lab Control Sample	Total/NA	Water	3511	
LCS 310-464511/8-A	Lab Control Sample	Total/NA	Water	3511	
310-313099-B-1-E MS	Matrix Spike	TCLP	Water	3511	464103
310-313099-B-1-F MSD	Matrix Spike Duplicate	TCLP	Water	3511	464103
310-313100-B-1-I MS	Matrix Spike	TCLP	Water	3511	464396
310-313100-B-1-J MSD	Matrix Spike Duplicate	TCLP	Water	3511	464396

Analysis Batch: 464747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-464103/1-E	Method Blank	Total/NA	Water	8081B	464511
MB 310-464511/1-A	Method Blank	Total/NA	Water	8081B	464511
LCS 310-464511/32-A	Lab Control Sample	Total/NA	Water	8081B	464511
310-313099-B-1-E MS	Matrix Spike	TCLP	Water	8081B	464511
310-313099-B-1-F MSD	Matrix Spike Duplicate	TCLP	Water	8081B	464511

Analysis Batch: 464749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-464396/1-D	Method Blank	Total/NA	Water	8082A	464511
MB 310-464511/1-A	Method Blank	Total/NA	Water	8082A	464511
LCS 310-464511/8-A	Lab Control Sample	Total/NA	Water	8082A	464511
310-313100-B-1-I MS	Matrix Spike	TCLP	Water	8082A	464511
310-313100-B-1-J MSD	Matrix Spike Duplicate	TCLP	Water	8082A	464511

Analysis Batch: 464853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-19	FB-1_25_08	Total/NA	Water	8082A	464511

Analysis Batch: 465011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-19	FB-1_25_08	Total/NA	Water	8081B	464511

Prep Batch: 830739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	8151A	
310-313508-2	AW-2_25_08	Total/NA	Water	8151A	
310-313508-3	AW-3_25_08	Total/NA	Water	8151A	
310-313508-4	CRL-9_25_08	Total/NA	Water	8151A	
310-313508-5	MW-13_25_08	Total/NA	Water	8151A	
310-313508-6	MW-14_25_08	Total/NA	Water	8151A	
310-313508-7	MW-15_25_08	Total/NA	Water	8151A	
310-313508-8	MW-16_25_08	Total/NA	Water	8151A	
310-313508-9	MW-21_25_08	Total/NA	Water	8151A	

GC Semi VOA (Continued)

Prep Batch: 830739 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-10	MW-22_25_08	Total/NA	Water	8151A	
310-313508-11	MW-23_25_08	Total/NA	Water	8151A	
310-313508-12	MW-37_25_08	Total/NA	Water	8151A	
310-313508-13	MW-38_25_08	Total/NA	Water	8151A	
310-313508-14	VP-3_25_08	Total/NA	Water	8151A	
310-313508-15	VP-4_25_08	Total/NA	Water	8151A	
310-313508-16	MW-101A_25_08	Total/NA	Water	8151A	
310-313508-17	MW-101B_25_08	Total/NA	Water	8151A	
310-313508-18	FD-1_25_08	Total/NA	Water	8151A	
310-313508-19	FB-1_25_08	Total/NA	Water	8151A	
MB 500-830739/1-A	Method Blank	Total/NA	Water	8151A	
LCS 500-830739/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 500-830739/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 830878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	8151A	830739
310-313508-2	AW-2_25_08	Total/NA	Water	8151A	830739
310-313508-3	AW-3_25_08	Total/NA	Water	8151A	830739
310-313508-4	CRL-9_25_08	Total/NA	Water	8151A	830739
310-313508-5	MW-13_25_08	Total/NA	Water	8151A	830739
310-313508-6	MW-14_25_08	Total/NA	Water	8151A	830739
310-313508-7	MW-15_25_08	Total/NA	Water	8151A	830739
310-313508-8	MW-16_25_08	Total/NA	Water	8151A	830739
310-313508-9	MW-21_25_08	Total/NA	Water	8151A	830739
310-313508-10	MW-22_25_08	Total/NA	Water	8151A	830739
310-313508-11	MW-23_25_08	Total/NA	Water	8151A	830739
310-313508-12	MW-37_25_08	Total/NA	Water	8151A	830739
310-313508-13	MW-38_25_08	Total/NA	Water	8151A	830739
310-313508-14	VP-3_25_08	Total/NA	Water	8151A	830739
310-313508-15	VP-4_25_08	Total/NA	Water	8151A	830739
310-313508-16	MW-101A_25_08	Total/NA	Water	8151A	830739
310-313508-17	MW-101B_25_08	Total/NA	Water	8151A	830739
310-313508-18	FD-1_25_08	Total/NA	Water	8151A	830739
310-313508-19	FB-1_25_08	Total/NA	Water	8151A	830739
MB 500-830739/1-A	Method Blank	Total/NA	Water	8151A	830739
LCS 500-830739/2-A	Lab Control Sample	Total/NA	Water	8151A	830739
LCSD 500-830739/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	830739

Metals

Prep Batch: 464141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	3005A	
310-313508-2	AW-2_25_08	Total/NA	Water	3005A	
310-313508-3	AW-3_25_08	Total/NA	Water	3005A	
310-313508-4	CRL-9_25_08	Total/NA	Water	3005A	
310-313508-5	MW-13_25_08	Total/NA	Water	3005A	
310-313508-6	MW-14_25_08	Total/NA	Water	3005A	
310-313508-7	MW-15_25_08	Total/NA	Water	3005A	
310-313508-8	MW-16_25_08	Total/NA	Water	3005A	

Metals (Continued)

Prep Batch: 464141 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-9	MW-21_25_08	Total/NA	Water	3005A	
310-313508-10	MW-22_25_08	Total/NA	Water	3005A	
310-313508-11	MW-23_25_08	Total/NA	Water	3005A	
310-313508-12	MW-37_25_08	Total/NA	Water	3005A	
310-313508-13	MW-38_25_08	Total/NA	Water	3005A	
310-313508-14	VP-3_25_08	Total/NA	Water	3005A	
310-313508-15	VP-4_25_08	Total/NA	Water	3005A	
310-313508-16	MW-101A_25_08	Total/NA	Water	3005A	
310-313508-17	MW-101B_25_08	Total/NA	Water	3005A	
310-313508-18	FD-1_25_08	Total/NA	Water	3005A	
310-313508-19	FB-1_25_08	Total/NA	Water	3005A	
MB 310-464141/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-464141/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-313508-1 MS	AW-1_25_08	Total/NA	Water	3005A	
310-313508-1 MSD	AW-1_25_08	Total/NA	Water	3005A	
310-313508-11 DU	MW-23_25_08	Total/NA	Water	3005A	

Prep Batch: 464229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	7470A	
310-313508-2	AW-2_25_08	Total/NA	Water	7470A	
310-313508-3	AW-3_25_08	Total/NA	Water	7470A	
310-313508-4	CRL-9_25_08	Total/NA	Water	7470A	
310-313508-5	MW-13_25_08	Total/NA	Water	7470A	
310-313508-6	MW-14_25_08	Total/NA	Water	7470A	
310-313508-7	MW-15_25_08	Total/NA	Water	7470A	
310-313508-8	MW-16_25_08	Total/NA	Water	7470A	
310-313508-9	MW-21_25_08	Total/NA	Water	7470A	
310-313508-10	MW-22_25_08	Total/NA	Water	7470A	
310-313508-11	MW-23_25_08	Total/NA	Water	7470A	
310-313508-12	MW-37_25_08	Total/NA	Water	7470A	
310-313508-13	MW-38_25_08	Total/NA	Water	7470A	
310-313508-14	VP-3_25_08	Total/NA	Water	7470A	
MB 310-464229/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-464229/2-A	Lab Control Sample	Total/NA	Water	7470A	
310-313432-A-12-B MS	Matrix Spike	Dissolved	Water	7470A	
310-313432-A-12-C MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	

Prep Batch: 464232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-15	VP-4_25_08	Total/NA	Water	7470A	
310-313508-16	MW-101A_25_08	Total/NA	Water	7470A	
310-313508-17	MW-101B_25_08	Total/NA	Water	7470A	
310-313508-18	FD-1_25_08	Total/NA	Water	7470A	
310-313508-19	FB-1_25_08	Total/NA	Water	7470A	
MB 310-464232/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-464232/2-A	Lab Control Sample	Total/NA	Water	7470A	
310-313508-15 MS	VP-4_25_08	Total/NA	Water	7470A	
310-313508-15 MSD	VP-4_25_08	Total/NA	Water	7470A	

Metals

Analysis Batch: 464400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	7470A	464229
310-313508-2	AW-2_25_08	Total/NA	Water	7470A	464229
310-313508-3	AW-3_25_08	Total/NA	Water	7470A	464229
310-313508-4	CRL-9_25_08	Total/NA	Water	7470A	464229
310-313508-5	MW-13_25_08	Total/NA	Water	7470A	464229
310-313508-6	MW-14_25_08	Total/NA	Water	7470A	464229
310-313508-7	MW-15_25_08	Total/NA	Water	7470A	464229
310-313508-8	MW-16_25_08	Total/NA	Water	7470A	464229
310-313508-9	MW-21_25_08	Total/NA	Water	7470A	464229
310-313508-10	MW-22_25_08	Total/NA	Water	7470A	464229
310-313508-11	MW-23_25_08	Total/NA	Water	7470A	464229
310-313508-12	MW-37_25_08	Total/NA	Water	7470A	464229
310-313508-13	MW-38_25_08	Total/NA	Water	7470A	464229
310-313508-14	VP-3_25_08	Total/NA	Water	7470A	464229
310-313508-15	VP-4_25_08	Total/NA	Water	7470A	464232
310-313508-16	MW-101A_25_08	Total/NA	Water	7470A	464232
310-313508-17	MW-101B_25_08	Total/NA	Water	7470A	464232
310-313508-18	FD-1_25_08	Total/NA	Water	7470A	464232
310-313508-19	FB-1_25_08	Total/NA	Water	7470A	464232
MB 310-464229/1-A	Method Blank	Total/NA	Water	7470A	464229
MB 310-464232/1-A	Method Blank	Total/NA	Water	7470A	464232
LCS 310-464229/2-A	Lab Control Sample	Total/NA	Water	7470A	464229
LCS 310-464232/2-A	Lab Control Sample	Total/NA	Water	7470A	464232
310-313432-A-12-B MS	Matrix Spike	Dissolved	Water	7470A	464229
310-313432-A-12-C MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	464229
310-313508-15 MS	VP-4_25_08	Total/NA	Water	7470A	464232
310-313508-15 MSD	VP-4_25_08	Total/NA	Water	7470A	464232

Analysis Batch: 464855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	6020B	464141
310-313508-2	AW-2_25_08	Total/NA	Water	6020B	464141
310-313508-3	AW-3_25_08	Total/NA	Water	6020B	464141
310-313508-4	CRL-9_25_08	Total/NA	Water	6020B	464141
310-313508-5	MW-13_25_08	Total/NA	Water	6020B	464141
310-313508-6	MW-14_25_08	Total/NA	Water	6020B	464141
310-313508-7	MW-15_25_08	Total/NA	Water	6020B	464141
310-313508-8	MW-16_25_08	Total/NA	Water	6020B	464141
310-313508-9	MW-21_25_08	Total/NA	Water	6020B	464141
310-313508-10	MW-22_25_08	Total/NA	Water	6020B	464141
310-313508-11	MW-23_25_08	Total/NA	Water	6020B	464141
310-313508-12	MW-37_25_08	Total/NA	Water	6020B	464141
310-313508-13	MW-38_25_08	Total/NA	Water	6020B	464141
310-313508-14	VP-3_25_08	Total/NA	Water	6020B	464141
MB 310-464141/1-A	Method Blank	Total/NA	Water	6020B	464141
LCS 310-464141/2-A	Lab Control Sample	Total/NA	Water	6020B	464141
310-313508-1 MS	AW-1_25_08	Total/NA	Water	6020B	464141
310-313508-1 MSD	AW-1_25_08	Total/NA	Water	6020B	464141
310-313508-11 DU	MW-23_25_08	Total/NA	Water	6020B	464141

Metals

Analysis Batch: 464964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-15	VP-4_25_08	Total/NA	Water	6020B	464141
310-313508-16	MW-101A_25_08	Total/NA	Water	6020B	464141
310-313508-17	MW-101B_25_08	Total/NA	Water	6020B	464141
310-313508-18	FD-1_25_08	Total/NA	Water	6020B	464141
310-313508-19	FB-1_25_08	Total/NA	Water	6020B	464141

General Chemistry

Analysis Batch: 463960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-12	MW-37_25_08	Total/NA	Water	I-3765-85	
310-313508-13	MW-38_25_08	Total/NA	Water	I-3765-85	
310-313508-14	VP-3_25_08	Total/NA	Water	I-3765-85	
MB 310-463960/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-463960/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-313508-14 DU	VP-3_25_08	Total/NA	Water	I-3765-85	

Prep Batch: 464049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-4	CRL-9_25_08	Total/NA	Water	9012B	
310-313508-5	MW-13_25_08	Total/NA	Water	9012B	
310-313508-6	MW-14_25_08	Total/NA	Water	9012B	
310-313508-7	MW-15_25_08	Total/NA	Water	9012B	
310-313508-8	MW-16_25_08	Total/NA	Water	9012B	
310-313508-9	MW-21_25_08	Total/NA	Water	9012B	
310-313508-10	MW-22_25_08	Total/NA	Water	9012B	
310-313508-11	MW-23_25_08	Total/NA	Water	9012B	
310-313508-12	MW-37_25_08	Total/NA	Water	9012B	
310-313508-13	MW-38_25_08	Total/NA	Water	9012B	
310-313508-14	VP-3_25_08	Total/NA	Water	9012B	
310-313508-15	VP-4_25_08	Total/NA	Water	9012B	
310-313508-16	MW-101A_25_08	Total/NA	Water	9012B	
MB 310-464049/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-464049/2-A	Lab Control Sample	Total/NA	Water	9012B	
310-313363-A-1-B MS	Matrix Spike	Total/NA	Water	9012B	
310-313363-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	

Analysis Batch: 464073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-2	AW-2_25_08	Total/NA	Water	I-3765-85	
310-313508-3	AW-3_25_08	Total/NA	Water	I-3765-85	
310-313508-15	VP-4_25_08	Total/NA	Water	I-3765-85	
MB 310-464073/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-464073/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-313503-B-1 DU	Duplicate	Total/NA	Water	I-3765-85	

Analysis Batch: 464090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	I-3765-85	
310-313508-10	MW-22_25_08	Total/NA	Water	I-3765-85	
MB 310-464090/1	Method Blank	Total/NA	Water	I-3765-85	

General Chemistry (Continued)

Analysis Batch: 464090 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-464090/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-313508-D-18 DU	310-313508-D-18 DU	Total/NA	Water	I-3765-85	

Analysis Batch: 464107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-4	CRL-9_25_08	Total/NA	Water	I-3765-85	
310-313508-5	MW-13_25_08	Total/NA	Water	I-3765-85	
310-313508-6	MW-14_25_08	Total/NA	Water	I-3765-85	
310-313508-7	MW-15_25_08	Total/NA	Water	I-3765-85	
310-313508-9	MW-21_25_08	Total/NA	Water	I-3765-85	
310-313508-11	MW-23_25_08	Total/NA	Water	I-3765-85	
310-313508-16	MW-101A_25_08	Total/NA	Water	I-3765-85	
310-313508-19	FB-1_25_08	Total/NA	Water	I-3765-85	
MB 310-464107/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-464107/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-313508-5 DU	MW-13_25_08	Total/NA	Water	I-3765-85	

Analysis Batch: 464154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-4	CRL-9_25_08	Total/NA	Water	9012B	464049
310-313508-5	MW-13_25_08	Total/NA	Water	9012B	464049
310-313508-6	MW-14_25_08	Total/NA	Water	9012B	464049
310-313508-7	MW-15_25_08	Total/NA	Water	9012B	464049
310-313508-8	MW-16_25_08	Total/NA	Water	9012B	464049
310-313508-9	MW-21_25_08	Total/NA	Water	9012B	464049
310-313508-10	MW-22_25_08	Total/NA	Water	9012B	464049
310-313508-11	MW-23_25_08	Total/NA	Water	9012B	464049
310-313508-12	MW-37_25_08	Total/NA	Water	9012B	464049
310-313508-13	MW-38_25_08	Total/NA	Water	9012B	464049
310-313508-14	VP-3_25_08	Total/NA	Water	9012B	464049
310-313508-15	VP-4_25_08	Total/NA	Water	9012B	464049
310-313508-16	MW-101A_25_08	Total/NA	Water	9012B	464049
MB 310-464049/1-A	Method Blank	Total/NA	Water	9012B	464049
LCS 310-464049/2-A	Lab Control Sample	Total/NA	Water	9012B	464049
310-313363-A-1-B MS	Matrix Spike	Total/NA	Water	9012B	464049
310-313363-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	464049

Prep Batch: 464194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	9012B	
310-313508-2	AW-2_25_08	Total/NA	Water	9012B	
310-313508-3	AW-3_25_08	Total/NA	Water	9012B	
310-313508-17	MW-101B_25_08	Total/NA	Water	9012B	
310-313508-18	FD-1_25_08	Total/NA	Water	9012B	
310-313508-19	FB-1_25_08	Total/NA	Water	9012B	
MB 310-464194/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-464194/2-A	Lab Control Sample	Total/NA	Water	9012B	
310-313441-A-2-B MS	Matrix Spike	Total/NA	Water	9012B	
310-313441-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	

General Chemistry

Analysis Batch: 464228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-8	MW-16_25_08	Total/NA	Water	I-3765-85	
310-313508-17	MW-101B_25_08	Total/NA	Water	I-3765-85	
310-313508-18	FD-1_25_08	Total/NA	Water	I-3765-85	
MB 310-464228/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-464228/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-313508-8 DU	MW-16_25_08	Total/NA	Water	I-3765-85	

Analysis Batch: 464563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	9012B	464194
310-313508-2	AW-2_25_08	Total/NA	Water	9012B	464194
310-313508-3	AW-3_25_08	Total/NA	Water	9012B	464194
310-313508-17	MW-101B_25_08	Total/NA	Water	9012B	464194
310-313508-18	FD-1_25_08	Total/NA	Water	9012B	464194
310-313508-19	FB-1_25_08	Total/NA	Water	9012B	464194
MB 310-464194/1-A	Method Blank	Total/NA	Water	9012B	464194
LCS 310-464194/2-A	Lab Control Sample	Total/NA	Water	9012B	464194
310-313441-A-2-B MS	Matrix Spike	Total/NA	Water	9012B	464194
310-313441-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	464194

Prep Batch: 830880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	9030B	
310-313508-2	AW-2_25_08	Total/NA	Water	9030B	
310-313508-3	AW-3_25_08	Total/NA	Water	9030B	
310-313508-4	CRL-9_25_08	Total/NA	Water	9030B	
310-313508-5	MW-13_25_08	Total/NA	Water	9030B	
310-313508-6	MW-14_25_08	Total/NA	Water	9030B	
310-313508-9	MW-21_25_08	Total/NA	Water	9030B	
310-313508-10	MW-22_25_08	Total/NA	Water	9030B	
310-313508-11	MW-23_25_08	Total/NA	Water	9030B	
310-313508-12	MW-37_25_08	Total/NA	Water	9030B	
310-313508-13	MW-38_25_08	Total/NA	Water	9030B	
310-313508-14	VP-3_25_08	Total/NA	Water	9030B	
310-313508-15	VP-4_25_08	Total/NA	Water	9030B	
310-313508-18	FD-1_25_08	Total/NA	Water	9030B	
MB 500-830880/1-A	Method Blank	Total/NA	Water	9030B	
LCS 500-830880/2-A	Lab Control Sample	Total/NA	Water	9030B	
310-313508-2 MS	AW-2_25_08	Total/NA	Water	9030B	
310-313508-C-2-E MSD	310-313508-C-2-E MSD	Total/NA	Water	9030B	

Analysis Batch: 830883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-1	AW-1_25_08	Total/NA	Water	9034	830880
310-313508-2	AW-2_25_08	Total/NA	Water	9034	830880
310-313508-3	AW-3_25_08	Total/NA	Water	9034	830880
310-313508-4	CRL-9_25_08	Total/NA	Water	9034	830880
310-313508-5	MW-13_25_08	Total/NA	Water	9034	830880
310-313508-6	MW-14_25_08	Total/NA	Water	9034	830880
310-313508-9	MW-21_25_08	Total/NA	Water	9034	830880
310-313508-10	MW-22_25_08	Total/NA	Water	9034	830880

General Chemistry (Continued)

Analysis Batch: 830883 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-11	MW-23_25_08	Total/NA	Water	9034	830880
310-313508-12	MW-37_25_08	Total/NA	Water	9034	830880
310-313508-13	MW-38_25_08	Total/NA	Water	9034	830880
310-313508-14	VP-3_25_08	Total/NA	Water	9034	830880
310-313508-15	VP-4_25_08	Total/NA	Water	9034	830880
310-313508-18	FD-1_25_08	Total/NA	Water	9034	830880
MB 500-830880/1-A	Method Blank	Total/NA	Water	9034	830880
LCS 500-830880/2-A	Lab Control Sample	Total/NA	Water	9034	830880
310-313508-2 MS	AW-2_25_08	Total/NA	Water	9034	830880
310-313508-C-2-E MSD	310-313508-C-2-E MSD	Total/NA	Water	9034	830880

Prep Batch: 831061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-7	MW-15_25_08	Total/NA	Water	9030B	
310-313508-8	MW-16_25_08	Total/NA	Water	9030B	
310-313508-16	MW-101A_25_08	Total/NA	Water	9030B	
310-313508-17	MW-101B_25_08	Total/NA	Water	9030B	
310-313508-19	FB-1_25_08	Total/NA	Water	9030B	
MB 500-831061/1-A	Method Blank	Total/NA	Water	9030B	
LCS 500-831061/2-A	Lab Control Sample	Total/NA	Water	9030B	
310-313508-19 MS	FB-1_25_08	Total/NA	Water	9030B	
310-313508-19 MSD	FB-1_25_08	Total/NA	Water	9030B	

Analysis Batch: 831084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313508-7	MW-15_25_08	Total/NA	Water	9034	831061
310-313508-8	MW-16_25_08	Total/NA	Water	9034	831061
310-313508-16	MW-101A_25_08	Total/NA	Water	9034	831061
310-313508-17	MW-101B_25_08	Total/NA	Water	9034	831061
310-313508-19	FB-1_25_08	Total/NA	Water	9034	831061
MB 500-831061/1-A	Method Blank	Total/NA	Water	9034	831061
LCS 500-831061/2-A	Lab Control Sample	Total/NA	Water	9034	831061
310-313508-19 MS	FB-1_25_08	Total/NA	Water	9034	831061
310-313508-19 MSD	FB-1_25_08	Total/NA	Water	9034	831061

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: AW-1_25_08
Lab Sample ID: 310-313508-1
Date Collected: 08/14/25 13:45
Matrix: Water
Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463930	WSE8	EET CF	08/19/25 02:15
Total/NA	Prep	3510C			464385	J5BR	EET CF	08/21/25 14:08
Total/NA	Analysis	8270E		1	464999	V7YZ	EET CF	08/28/25 17:29
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/19/25 18:21
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 11:20
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 11:20
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 18:23
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464855	NFT2	EET CF	08/26/25 13:33
Total/NA	Prep	7470A			464229	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 10:52
Total/NA	Prep	9012B			464194	ENB7	EET CF	08/20/25 09:10
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 18:54
Total/NA	Prep	9030B			830880	TR	EET CHI	08/20/25 16:28 - 08/20/25 16:28 [1]
Total/NA	Analysis	9034		1	830883	TR	EET CHI	08/20/25 17:01
Total/NA	Analysis	I-3765-85		1	464090	HE7K	EET CF	08/19/25 11:38

Client Sample ID: AW-2_25_08
Lab Sample ID: 310-313508-2
Date Collected: 08/13/25 15:50
Matrix: Water
Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463930	WSE8	EET CF	08/19/25 02:37
Total/NA	Prep	3510C			464070	J5BR	EET CF	08/19/25 10:19
Total/NA	Analysis	8270E		1	464682	V7YZ	EET CF	08/26/25 01:46
Total/NA	Prep	3510C			464070	J5BR	EET CF	08/19/25 10:19
Total/NA	Analysis	8270E		1	464176	V7YZ	EET CF	08/20/25 19:55
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/19/25 19:02
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 11:33
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 11:33
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 18:41
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464855	NFT2	EET CF	08/26/25 13:43
Total/NA	Prep	7470A			464229	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 10:54
Total/NA	Prep	9012B			464194	ENB7	EET CF	08/20/25 09:10
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 18:57

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: AW-2_25_08
Lab Sample ID: 310-313508-2
Date Collected: 08/13/25 15:50
Matrix: Water
Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	9030B			830880	TR	EET CHI	08/20/25 16:21 - 08/20/25 16:22 [1]
Total/NA	Analysis	9034		1	830883	TR	EET CHI	08/20/25 16:44
Total/NA	Analysis	I-3765-85		1	464073	HE7K	EET CF	08/19/25 10:41

Client Sample ID: AW-3_25_08
Lab Sample ID: 310-313508-3
Date Collected: 08/13/25 18:25
Matrix: Water
Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463930	WSE8	EET CF	08/19/25 02:59
Total/NA	Prep	3510C			464070	J5BR	EET CF	08/19/25 10:19
Total/NA	Analysis	8270E		1	464682	V7YZ	EET CF	08/26/25 02:12
Total/NA	Prep	3510C			464070	J5BR	EET CF	08/19/25 10:19
Total/NA	Analysis	8270E		1	464176	V7YZ	EET CF	08/20/25 20:25
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/19/25 19:23
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 11:45
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 11:45
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 18:59
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464855	NFT2	EET CF	08/26/25 13:45
Total/NA	Prep	7470A			464229	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 10:57
Total/NA	Prep	9012B			464194	ENB7	EET CF	08/20/25 09:10
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 19:01
Total/NA	Prep	9030B			830880	TR	EET CHI	08/20/25 16:24 - 08/20/25 16:24 [1]
Total/NA	Analysis	9034		1	830883	TR	EET CHI	08/20/25 16:50
Total/NA	Analysis	I-3765-85		1	464073	HE7K	EET CF	08/19/25 10:41

Client Sample ID: CRL-9_25_08
Lab Sample ID: 310-313508-4
Date Collected: 08/14/25 14:35
Matrix: Water
Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463930	WSE8	EET CF	08/19/25 03:21
Total/NA	Prep	3510C			464385	J5BR	EET CF	08/21/25 14:08
Total/NA	Analysis	8270E		1	464999	V7YZ	EET CF	08/28/25 17:56
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/19/25 19:44
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 11:58
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 11:58

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: CRL-9_25_08
Lab Sample ID: 310-313508-4
Date Collected: 08/14/25 14:35
Matrix: Water
Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 19:17
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464855	NFT2	EET CF	08/26/25 13:48
Total/NA	Prep	7470A			464229	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 10:59
Total/NA	Prep	9012B			464049	ENB7	EET CF	08/19/25 09:19
Total/NA	Analysis	9012B		1	464154	ZJX4	EET CF	08/19/25 22:40
Total/NA	Prep	9030B			830880	TR	EET CHI	08/20/25 16:28 - 08/20/25 16:29 [1]
Total/NA	Analysis	9034		1	830883	TR	EET CHI	08/20/25 17:03
Total/NA	Analysis	I-3765-85		1	464107	HE7K	EET CF	08/19/25 13:42

Client Sample ID: MW-13_25_08
Lab Sample ID: 310-313508-5
Date Collected: 08/14/25 10:05
Matrix: Water
Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463930	WSE8	EET CF	08/19/25 03:43
Total/NA	Prep	3510C			464385	J5BR	EET CF	08/21/25 14:08
Total/NA	Analysis	8270E		1	464999	V7YZ	EET CF	08/28/25 18:22
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/19/25 20:03
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 12:11
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 12:11
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 19:35
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464855	NFT2	EET CF	08/26/25 13:50
Total/NA	Prep	7470A			464229	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 11:01
Total/NA	Prep	9012B			464049	ENB7	EET CF	08/19/25 09:19
Total/NA	Analysis	9012B		1	464154	ZJX4	EET CF	08/19/25 22:40
Total/NA	Prep	9030B			830880	TR	EET CHI	08/20/25 16:29 - 08/20/25 16:30 [1]
Total/NA	Analysis	9034		1	830883	TR	EET CHI	08/20/25 17:06
Total/NA	Analysis	I-3765-85		1	464107	HE7K	EET CF	08/19/25 13:42

Client Sample ID: MW-14_25_08
Lab Sample ID: 310-313508-6
Date Collected: 08/14/25 11:00
Matrix: Water
Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463930	WSE8	EET CF	08/19/25 04:05

Client Sample ID: MW-14_25_08

Lab Sample ID: 310-313508-6

Date Collected: 08/14/25 11:00

Matrix: Water

Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			464385	J5BR	EET CF	08/21/25 14:08
Total/NA	Analysis	8270E		1	464999	V7YZ	EET CF	08/28/25 18:48
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/19/25 20:24
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 12:24
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 12:24
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 19:53
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464855	NFT2	EET CF	08/26/25 13:58
Total/NA	Prep	7470A			464229	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 11:07
Total/NA	Prep	9012B			464049	ENB7	EET CF	08/19/25 09:19
Total/NA	Analysis	9012B		1	464154	ZJX4	EET CF	08/19/25 22:43
Total/NA	Prep	9030B			830880	TR	EET CHI	08/20/25 16:30 - 08/20/25 16:31 [1]
Total/NA	Analysis	9034		1	830883	TR	EET CHI	08/20/25 17:08
Total/NA	Analysis	I-3765-85		1	464107	HE7K	EET CF	08/19/25 13:42

Client Sample ID: MW-15_25_08

Lab Sample ID: 310-313508-7

Date Collected: 08/15/25 09:30

Matrix: Water

Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463930	WSE8	EET CF	08/19/25 04:27
Total/NA	Prep	3510C			464385	J5BR	EET CF	08/21/25 14:08
Total/NA	Analysis	8270E		1	464999	V7YZ	EET CF	08/28/25 19:15
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/19/25 20:45
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 13:43
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 13:43
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 20:10
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464855	NFT2	EET CF	08/26/25 14:01
Total/NA	Prep	7470A			464229	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 11:09
Total/NA	Prep	9012B			464049	ENB7	EET CF	08/19/25 09:19
Total/NA	Analysis	9012B		1	464154	ZJX4	EET CF	08/19/25 22:43
Total/NA	Prep	9030B			831061	TR	EET CHI	08/21/25 14:30 - 08/21/25 14:31 [1]
Total/NA	Analysis	9034		1	831084	TR	EET CHI	08/21/25 16:16
Total/NA	Analysis	I-3765-85		1	464107	HE7K	EET CF	08/19/25 13:42

Client Sample ID: MW-16_25_08

Lab Sample ID: 310-313508-8

Date Collected: 08/15/25 10:15

Matrix: Water

Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463930	WSE8	EET CF	08/19/25 04:49
Total/NA	Prep	3510C			464385	J5BR	EET CF	08/21/25 14:08
Total/NA	Analysis	8270E		1	464999	V7YZ	EET CF	08/28/25 19:41
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/19/25 21:04
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 13:56
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 13:56
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 20:46
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464855	NFT2	EET CF	08/26/25 14:03
Total/NA	Prep	7470A			464229	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 11:11
Total/NA	Prep	9012B			464049	ENB7	EET CF	08/19/25 09:19
Total/NA	Analysis	9012B		1	464154	ZJX4	EET CF	08/19/25 22:47
Total/NA	Prep	9030B			831061	TR	EET CHI	08/21/25 14:30 - 08/21/25 14:30 [1]
Total/NA	Analysis	9034		1	831084	TR	EET CHI	08/21/25 16:06
Total/NA	Analysis	I-3765-85		1	464228	DGU1	EET CF	08/20/25 11:34

Client Sample ID: MW-21_25_08

Lab Sample ID: 310-313508-9

Date Collected: 08/14/25 16:15

Matrix: Water

Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463930	WSE8	EET CF	08/19/25 05:11
Total/NA	Prep	3510C			464385	J5BR	EET CF	08/21/25 14:08
Total/NA	Analysis	8270E		1	464999	V7YZ	EET CF	08/28/25 20:08
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/19/25 21:26
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 14:09
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 14:09
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 21:04
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464855	NFT2	EET CF	08/26/25 14:06
Total/NA	Prep	7470A			464229	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 11:13
Total/NA	Prep	9012B			464049	ENB7	EET CF	08/19/25 09:19
Total/NA	Analysis	9012B		1	464154	ZJX4	EET CF	08/19/25 22:44
Total/NA	Prep	9030B			830880	TR	EET CHI	08/20/25 16:31 - 08/20/25 16:32 [1]
Total/NA	Analysis	9034		1	830883	TR	EET CHI	08/20/25 17:10
Total/NA	Analysis	I-3765-85		1	464107	HE7K	EET CF	08/19/25 13:42

Client Sample ID: MW-22_25_08

Lab Sample ID: 310-313508-10

Date Collected: 08/14/25 16:50

Matrix: Water

Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463930	WSE8	EET CF	08/19/25 05:33
Total/NA	Prep	3510C			464385	J5BR	EET CF	08/21/25 14:08
Total/NA	Analysis	8270E		1	464999	V7YZ	EET CF	08/28/25 20:34
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/19/25 21:45
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 14:22
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 14:22
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 21:21
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464855	NFT2	EET CF	08/26/25 14:08
Total/NA	Prep	7470A			464229	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 11:16
Total/NA	Prep	9012B			464049	ENB7	EET CF	08/19/25 09:19
Total/NA	Analysis	9012B		1	464154	ZJX4	EET CF	08/19/25 22:48
Total/NA	Prep	9030B			830880	TR	EET CHI	08/20/25 16:32 - 08/20/25 16:32 [1]
Total/NA	Analysis	9034		1	830883	TR	EET CHI	08/20/25 17:12
Total/NA	Analysis	I-3765-85		1	464090	HE7K	EET CF	08/19/25 11:38

Client Sample ID: MW-23_25_08

Lab Sample ID: 310-313508-11

Date Collected: 08/14/25 15:20

Matrix: Water

Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463930	WSE8	EET CF	08/19/25 05:55
Total/NA	Prep	3510C			464385	J5BR	EET CF	08/21/25 14:08
Total/NA	Analysis	8270E		1	464999	V7YZ	EET CF	08/28/25 21:00
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/19/25 22:05
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 14:35
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 14:35
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 21:39
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464855	NFT2	EET CF	08/26/25 14:11
Total/NA	Prep	7470A			464229	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 11:18
Total/NA	Prep	9012B			464049	ENB7	EET CF	08/19/25 09:19
Total/NA	Analysis	9012B		1	464154	ZJX4	EET CF	08/19/25 22:48
Total/NA	Prep	9030B			830880	TR	EET CHI	08/20/25 16:32 - 08/20/25 16:33 [1]
Total/NA	Analysis	9034		1	830883	TR	EET CHI	08/20/25 17:14
Total/NA	Analysis	I-3765-85		1	464107	HE7K	EET CF	08/19/25 13:42

Client Sample ID: MW-37_25_08

Lab Sample ID: 310-313508-12

Date Collected: 08/13/25 12:05

Matrix: Water

Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463930	WSE8	EET CF	08/19/25 06:17
Total/NA	Prep	3510C			464070	J5BR	EET CF	08/19/25 10:19
Total/NA	Analysis	8270E		1	464682	V7YZ	EET CF	08/26/25 02:38
Total/NA	Prep	3510C			464070	J5BR	EET CF	08/19/25 10:19
Total/NA	Analysis	8270E		1	464176	V7YZ	EET CF	08/20/25 20:55
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/19/25 22:25
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 14:48
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 14:48
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 21:57
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464855	NFT2	EET CF	08/26/25 14:16
Total/NA	Prep	7470A			464229	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 11:20
Total/NA	Prep	9012B			464049	ENB7	EET CF	08/19/25 09:19
Total/NA	Analysis	9012B		1	464154	ZJX4	EET CF	08/19/25 22:49
Total/NA	Prep	9030B			830880	TR	EET CHI	08/20/25 16:24 - 08/20/25 16:25 [1]
Total/NA	Analysis	9034		1	830883	TR	EET CHI	08/20/25 16:53
Total/NA	Analysis	I-3765-85		1	463960	DGU1	EET CF	08/18/25 12:34

Client Sample ID: MW-38_25_08

Lab Sample ID: 310-313508-13

Date Collected: 08/13/25 11:40

Matrix: Water

Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463930	WSE8	EET CF	08/19/25 06:39
Total/NA	Prep	3510C			464070	J5BR	EET CF	08/19/25 10:19
Total/NA	Analysis	8270E		1	464682	V7YZ	EET CF	08/26/25 03:05
Total/NA	Prep	3510C			464070	J5BR	EET CF	08/19/25 10:19
Total/NA	Analysis	8270E		1	464253	V7YZ	EET CF	08/20/25 22:54
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/19/25 22:45
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 16:18
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 16:18
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 22:15
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464855	NFT2	EET CF	08/26/25 14:19
Total/NA	Prep	7470A			464229	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 11:22

Client Sample ID: MW-38_25_08
Lab Sample ID: 310-313508-13

Date Collected: 08/13/25 11:40
Matrix: Water
Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	9012B			464049	ENB7	EET CF	08/19/25 09:19
Total/NA	Analysis	9012B		1	464154	ZJX4	EET CF	08/19/25 22:51
Total/NA	Prep	9030B			830880	TR	EET CHI	08/20/25 16:25 - 08/20/25 16:26 [1]
Total/NA	Analysis	9034		1	830883	TR	EET CHI	08/20/25 16:55
Total/NA	Analysis	I-3765-85		1	463960	DGU1	EET CF	08/18/25 12:34

Client Sample ID: VP-3_25_08
Lab Sample ID: 310-313508-14

Date Collected: 08/13/25 14:25
Matrix: Water
Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463942	WSE8	EET CF	08/19/25 00:21
Total/NA	Prep	3510C			464070	J5BR	EET CF	08/19/25 10:19
Total/NA	Analysis	8270E		1	464682	V7YZ	EET CF	08/26/25 03:31
Total/NA	Prep	3510C			464070	J5BR	EET CF	08/19/25 10:19
Total/NA	Analysis	8270E		1	464253	V7YZ	EET CF	08/20/25 23:24
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/19/25 23:04
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 16:31
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 09:56
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 16:31
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 22:32
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464855	NFT2	EET CF	08/26/25 14:21
Total/NA	Prep	7470A			464229	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 11:24
Total/NA	Prep	9012B			464049	ENB7	EET CF	08/19/25 09:19
Total/NA	Analysis	9012B		1	464154	ZJX4	EET CF	08/19/25 22:51
Total/NA	Prep	9030B			830880	TR	EET CHI	08/20/25 16:26 - 08/20/25 16:27 [1]
Total/NA	Analysis	9034		1	830883	TR	EET CHI	08/20/25 16:57
Total/NA	Analysis	I-3765-85		1	463960	DGU1	EET CF	08/18/25 12:34

Client Sample ID: VP-4_25_08
Lab Sample ID: 310-313508-15

Date Collected: 08/13/25 16:45
Matrix: Water
Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463942	WSE8	EET CF	08/19/25 02:13
Total/NA	Prep	3510C			464070	J5BR	EET CF	08/19/25 10:19
Total/NA	Analysis	8270E		1	464682	V7YZ	EET CF	08/26/25 03:57
Total/NA	Prep	3510C			464070	J5BR	EET CF	08/19/25 10:19
Total/NA	Analysis	8270E		1	464253	V7YZ	EET CF	08/20/25 23:54
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/19/25 23:25

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: VP-4_25_08
Lab Sample ID: 310-313508-15
Date Collected: 08/13/25 16:45
Matrix: Water
Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 10:02
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 16:44
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 10:02
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 16:44
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 22:50
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 11:56
Total/NA	Prep	7470A			464232	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 09:33
Total/NA	Prep	9012B			464049	ENB7	EET CF	08/19/25 09:19
Total/NA	Analysis	9012B		1	464154	ZJX4	EET CF	08/19/25 22:52
Total/NA	Prep	9030B			830880	TR	EET CHI	08/20/25 16:27 - 08/20/25 16:28 [1]
Total/NA	Analysis	9034		1	830883	TR	EET CHI	08/20/25 16:59
Total/NA	Analysis	I-3765-85		1	464073	HE7K	EET CF	08/19/25 10:41

Client Sample ID: MW-101A_25_08
Lab Sample ID: 310-313508-16
Date Collected: 08/15/25 12:30
Matrix: Water
Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463932	WSE8	EET CF	08/19/25 13:47
Total/NA	Prep	3510C			464385	J5BR	EET CF	08/21/25 14:08
Total/NA	Analysis	8270E		1	464999	V7YZ	EET CF	08/28/25 21:26
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/19/25 23:44
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 10:02
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 16:57
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 10:02
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 16:57
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 23:08
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 11:59
Total/NA	Prep	7470A			464232	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 09:40
Total/NA	Prep	9012B			464049	ENB7	EET CF	08/19/25 09:19
Total/NA	Analysis	9012B		1	464154	ZJX4	EET CF	08/19/25 22:52
Total/NA	Prep	9030B			831061	TR	EET CHI	08/21/25 14:30 - 08/21/25 14:30 [1]
Total/NA	Analysis	9034		1	831084	TR	EET CHI	08/21/25 16:10
Total/NA	Analysis	I-3765-85		1	464107	HE7K	EET CF	08/19/25 13:42

Client Sample ID: MW-101B_25_08

Lab Sample ID: 310-313508-17

Date Collected: 08/15/25 11:45

Matrix: Water

Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463932	WSE8	EET CF	08/19/25 14:09
Total/NA	Prep	3510C			464385	J5BR	EET CF	08/21/25 14:08
Total/NA	Analysis	8270E		1	464999	V7YZ	EET CF	08/28/25 21:52
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/20/25 00:03
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 10:02
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 17:10
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 10:02
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 17:10
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/20/25 23:26
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 12:01
Total/NA	Prep	7470A			464232	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 09:42
Total/NA	Prep	9012B			464194	ENB7	EET CF	08/20/25 09:10
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 18:57
Total/NA	Prep	9030B			831061	TR	EET CHI	08/21/25 14:30 - 08/21/25 14:30 [1]
Total/NA	Analysis	9034		1	831084	TR	EET CHI	08/21/25 16:13
Total/NA	Analysis	I-3765-85		1	464228	DGU1	EET CF	08/20/25 11:34

Client Sample ID: FD-1_25_08

Lab Sample ID: 310-313508-18

Date Collected: 08/14/25 00:00

Matrix: Water

Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463932	WSE8	EET CF	08/19/25 14:31
Total/NA	Prep	3510C			464385	J5BR	EET CF	08/21/25 14:08
Total/NA	Analysis	8270E		1	464999	V7YZ	EET CF	08/28/25 22:19
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/20/25 00:24
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 10:02
Total/NA	Analysis	8081B		1	464447	BW2O	EET CF	08/22/25 11:07
Total/NA	Prep	3511			464063	BW2O	EET CF	08/19/25 10:02
Total/NA	Analysis	8082A		1	464449	BW2O	EET CF	08/22/25 11:07
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/21/25 00:01
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 12:04
Total/NA	Prep	7470A			464232	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 09:44
Total/NA	Prep	9012B			464194	ENB7	EET CF	08/20/25 09:10
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 19:02
Total/NA	Prep	9030B			830880	TR	EET CHI	08/20/25 16:33 - 08/20/25 16:34 [1]
Total/NA	Analysis	9034		1	830883	TR	EET CHI	08/20/25 17:16
Total/NA	Analysis	I-3765-85		1	464228	DGU1	EET CF	08/20/25 11:34

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Client Sample ID: FB-1_25_08
Lab Sample ID: 310-313508-19
Date Collected: 08/15/25 09:30
Matrix: Water
Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464079	WSE8	EET CF	08/20/25 06:45
Total/NA	Prep	3510C			464385	J5BR	EET CF	08/21/25 14:08
Total/NA	Analysis	8270E		1	464999	V7YZ	EET CF	08/28/25 22:45
Total/NA	Analysis	8015C		1	464133	BW2O	EET CF	08/20/25 00:43
Total/NA	Prep	3511			464511	BW2O	EET CF	08/22/25 12:01
Total/NA	Analysis	8081B		1	465011	BW2O	EET CF	08/28/25 13:38
Total/NA	Prep	3511			464511	BW2O	EET CF	08/22/25 12:01
Total/NA	Analysis	8082A		1	464853	BW2O	EET CF	08/27/25 10:16
Total/NA	Prep	8151A			830739	CI	EET CHI	08/20/25 07:38
Total/NA	Analysis	8151A		1	830878	H7CM	EET CHI	08/21/25 00:19
Total/NA	Prep	3005A			464141	WK2X	EET CF	08/20/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 12:07
Total/NA	Prep	7470A			464232	QTZ5	EET CF	08/20/25 14:30
Total/NA	Analysis	7470A		1	464400	RLT9	EET CF	08/21/25 09:51
Total/NA	Prep	9012B			464194	ENB7	EET CF	08/20/25 09:10
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 19:02
Total/NA	Prep	9030B			831061	TR	EET CHI	08/21/25 14:31 - 08/21/25 14:31 [1]
Total/NA	Analysis	9034		1	831084	TR	EET CHI	08/21/25 16:30
Total/NA	Analysis	I-3765-85		1	464107	HE7K	EET CF	08/19/25 13:42

Client Sample ID: TB-1_25_08
Lab Sample ID: 310-313508-20
Date Collected: 08/15/25 00:00
Matrix: Water
Date Received: 08/15/25 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	463932	WSE8	EET CF	08/19/25 11:34

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Accreditation/Certification Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,2,4-Trichlorobenzene
8260D		Water	Allyl chloride
8260D		Water	Ethyl methacrylate
8260D		Water	m,p-Xylene
8260D		Water	o-Xylene

Laboratory: Eurofins Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8151A	8151A	Water	2,4,5-T

Method Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313508-1
Project/Site: CRLCSWA Site 1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8015C	Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
8151A	Herbicides (GC)	SW846	EET CHI
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
9012B	Cyanide, Total andor Amenable	SW846	EET CF
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	EET CHI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CF
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

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310-313508 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information				
Client	Foth			
City/State	CITY Cedar Rapids	STATE IA	Project:	
Receipt Information				
Date/Time Received.	DATE 5/15/25	TIME 1445	Received By. BP	
Delivery Type	☐ UPS	☐ FedEx	☐ FedEx Ground	☐ US Mail ☐ Spee-Dee
	☒ Lab Courier	☐ Lab Field Services	☐ Client Drop-off	☐ Other._____
Condition of Cooler/Containers				
Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID	
Multiple Coolers?	☒ Yes	☐ No	*If yes:* Cooler # 1 of 10	
Cooler Custody Seals Present? No	☐ Yes	☒ No	*If yes:* Cooler custody seals intact?	☐ Yes ☐ No
Sample Custody Seals Present? No	☐ Yes	☒ No	*If yes.* Sample custody seals intact?	☐ Yes ☐ No
Trip Blank Present?	BP ~~☒ Yes~~	☒ No	*If yes.* Which VOA samples are in cooler? ↓	
Temperature Record				
Coolant.	☒ Wet ice	☐ Blue ice	☐ Dry ice	☐ Other:_____ ☐ NONE
Thermometer ID:	P		Correction Factor (°C):	±0
• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature				
Uncorrected Temp (°C):	0.5		Corrected Temp (°C):	0.5
• **Sample Container Temperature**				
Container(s) used:	CONTAINER 1		CONTAINER 2	
Uncorrected Temp (°C).				
Corrected Temp (°C):				
Exceptions Noted				

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY Cedar Rapids | STATE IA | Project

Receipt Information

Date/Time Received: DATE 8/15/25 | TIME 1445 | Received By BP

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other._____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes* Cooler ID.

Multiple Coolers? ☒ Yes ☐ No *If yes* Cooler # 2 of 10

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes.* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes.* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other _____ ☐ NONE

Thermometer ID: P | Correction Factor (°C): ±0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 2.5 | Corrected Temp (°C): 2.5

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C)		
Corrected Temp (°C)		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY Cedar Rapids | STATE IA | Project.

Receipt Information

Date/Time Received: DATE 5/15/25 | TIME 1445 | Received By BP

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 3 of 10

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? BP ~~☒ Yes~~ ☒ No *If yes.* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: P | Correction Factor (°C): ±0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.4 | Corrected Temp (°C): 1.4

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C).		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY Cedar Rapids | STATE IA | Project

Receipt Information

Date/Time Received: DATE 8/15/25 | TIME 1445 | Received By BP

Delivery Type. ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes* Cooler # 4 of 10

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? BP ~~☒ Yes~~ ☒ No *If yes.* Which VOA samples are in cooler? ↓

Temperature Record

Coolant. ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other _____ ☐ NONE

Thermometer ID. P | Correction Factor (°C) ±0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.9 | Corrected Temp (°C) 1.9

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C)		
Corrected Temp (°C)		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY Cedar Rapids | STATE IA | Project

Receipt Information

Date/Time Received: DATE 8/15/25 | TIME 1445 | Received By: BP

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID

Multiple Coolers? ☒ Yes ☐ No *If yes.* Cooler # 5 of 10

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? BP ~~☒ Yes~~ ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other _____ ☐ NONE

Thermometer ID: P | Correction Factor (°C): +0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	1L plastic unpreserved	
Uncorrected Temp (°C)	3.5	
Corrected Temp (°C).	3.5	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY: Cedar Rapids | STATE: IA | Project:

Receipt Information

Date/Time Received: DATE: 6/15/25 | TIME: 1445 | Received By: BP

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other.

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes* Cooler ID

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 6 of 10

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes* Which VOA samples are in cooler? ↓

MW-15, MW-16, TB-1

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other _____ ☐ NONE

Thermometer ID: P | Correction Factor (°C): ±0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.6 | Corrected Temp (°C) 1.6

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used		
Uncorrected Temp (°C).		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY Cedar Rapids | STATE IA | Project

Receipt Information

Date/Time Received: DATE 5/15/25 | TIME 1445 | Received By BP

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes* Cooler ID

Multiple Coolers? ☒ Yes ☐ No *If yes* Cooler # 7 of 10

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? BP ~~☒ Yes~~ ☒ No *If yes* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other._____ ☐ NONE

Thermometer ID: P | Correction Factor (°C): ±0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.0 | Corrected Temp (°C) 1.0

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY Cedar Rapids | STATE IA | Project:

Receipt Information

Date/Time Received: DATE 6/15/25 | TIME 1445 | Received By BP

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes* Cooler ID.

Multiple Coolers? ☒ Yes ☐ No *If yes.* Cooler # 8 of 10

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? BP ~~☒ Yes~~ ☒ No *If yes.* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other _____ ☐ NONE

Thermometer ID: P | Correction Factor (°C): ±0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.9 | Corrected Temp (°C): 1.9

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C).		
Corrected Temp (°C)·		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY: Cedar Rapids | STATE: IA | Project:

Receipt Information

Date/Time Received: DATE: 5/15/25 | TIME: 1445 | Received By: BP

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes* Cooler ID.

Multiple Coolers? ☒ Yes ☐ No *If yes.* Cooler # 9 of 10

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? BP ~~☐ Yes~~ ☒ No *If yes.* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: P | Correction Factor (°C): ±0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 3.2 | Corrected Temp (°C): 3.2

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C).		
Corrected Temp (°C).		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
a) *If yes.* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY: Cedar Rapids | STATE: IA | Project:

Receipt Information

Date/Time Received: DATE: 6/15/25 | TIME: 1445 | Received By: BP

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes* Cooler ID.

Multiple Coolers? ☒ Yes ☐ No *If yes.* Cooler # 10 of 10

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? BP ~~☒ Yes~~ ☒ No *If yes.* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other _____ ☐ NONE

Thermometer ID: P | Correction Factor (°C): ±0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.9 | Corrected Temp (°C): 1.9

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used		
Uncorrected Temp (°C).		
Corrected Temp (°C).		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 1 of 5 **COC Number:** 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz Tyler Merritt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: Appendix II List	TSS	IA Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Filtered (Y/N)	REMARKS / Lab ID
1	AW-1_25_08	AW-1	WG	G	8/14/25	13:45	25	A		1	3	2			X	X								
2	AW-2_25_08	AW-2	WG	G	8/13/25	15:50	25	A		1	3	2			X	X								
3	AW-3_25_08	AW-3	WG	G	8/13	18:25	25	A		1	3	2			X	X								
4	AW-4_25_08	AW-4	WG	G											X	X								
5	AW-5_25_08	AW-5	WG	G											X	X								
6	AW-6_25_08	AW-6	WG	G											X	X								
7	CRL-9_25_08	CRL-9	WG	G	8/14	14:35	25	A		1	3	2			X	X								
8	MW-11_25_08	MW-11	WG	G											X	X								
9	MW-12_25_08	MW-12	WG	G											X	X								
10	MW-13_25_08	MW-13	WG	G	8/14	10:05	25	A		1	3	2			X	X								
11	MW-14_25_08	MW-14	WG	G	8/14	11:00	25	A		1	3	2			X	X								
12	MW-15_25_08	MW-15	WG	G	8/15/25	9:30	25	A		1	3	2			X	X								

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
								BP	8/15/25	1445

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt 8/15/25

SIGNATURE of SAMPLER: Tyler Merritt DATE Signed: 13:35

Additional Comments:

Page 25 of 242

8/29/2025

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 2 **of** 5 | **COC Number:** 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O.		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz Tyler Merritt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix II List	TSS	IA Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Filtered (Y/N)	REMARKS / Lab ID
13	MW-16_25_08	MW-16	WG	G	8/5	10:15	3	5	A		1	3	2		X	X								
14	MW-17_25_08	MW-17	WG	G											X	X								
15	MW-18_25_08	MW-18	WG	G											X	X								
16	MW-19_25_08	MW-19	WG	G											X	X								
17	MW-20_25_08	MW-20	WG	G											X	X								
18	MW-21_25_08	MW-21	WG	G	8/4	16:15	3	5	A		1	3	2		X	X								
19	MW-22_25_08	MW-22	WG	G	8/4	16:50	3	5	A		1	3	2		X	X								
20	MW-23_25_08	MW-23	WG	G	8/4	15:20	3	5	A		1	3	2		X	X								
21	MW-24_25_08	MW-24	WG	G											X	X								
22	MW-25_25_08	MW-25	WG	G											X	X								
23	MW-26_25_08	MW-26	WG	G												X	X	X	X	X		X		
24	MW-28_25_08	MW-28	WG	G											X	X								

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
								BP	8/5/25	1445

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt

DATE Signed: 8/5/25 13:35

Page 2 of 5

8/29/2025

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 5

COC Number: 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz Tyler Merritt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix II List	TSS	IA Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Filtered (Y/N)	REMARKS / Lab ID
															N	N	N	N	N	N	N	N	N	
25	MW-30_25_08	MW-30	WG	G											X	X								
26	MW-31_25_08	MW-31	WG	G												X	X							
27	MW-32_25_08	MW-32	WG	G											X	X								
28	MW-33_25_08	MW-33	WG	G											X	X								
29	MW-34_25_08	MW-34	WG	G											X	X								
30	MW-35_25_08	MW-35	WG	G											X	X								
31	MW-36_25_08	MW-36	WG	G											X	X								
32	MW-37_25_08	MW-37	WG	G	8/13	12:25	2	5	A		1	3	2		X	X								
33	MW-38_25_08	MW-38	WG	G	8/13	11:40	2	5	A		1	3	2		X	X								
34	VP-3_25_08	VP-3	WG	G	8/13	14:25	2	5	A		1	3	2		X	X								
35	VP-4_25_08	VP-4	WG	G	8/13	16:45	2	5	A		1	3	2		X	X								
36	MW-101A_25_08	MW-101A	WG	G	8/13	12:30	2	5	A		1	3	2		X	X								

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
								BP	8/15/25	1445

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt

DATE Signed: 8/15/25

TIME Signed: 13:35

8/29/2025

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 4 **of** 5 **COC Number:** 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.w.lming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz Tyler Wessitt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix II List	TSS	IA Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Arsenic	Filtered (Y/N)	REMARKS / Lab ID
															N	N	N	N	N	N	N	N	N		
37	MW-101B_25_08	MW-101B	WG	G	8/15	1145	2	5	A		1	3	2		X	X									
38	MW-102B_25_08	MW-102B	WG	G												X	X								
39	MW-104B_25_08	MW-104B	WG	G												X							X		
40	MW-105A_25_08	MW-105A	WG	G												X	X								
41	MW-105B_25_08	MW-105B	WG	G												X	X								
42	MW-106A_25_08	MW-106A	WG	G												X	X								
43	MW-107A_25_08	MW-107A	WG	G												X	X								
44	MW-107B_25_08	MW-107B	WG	G												X	X								
45	MW-108B_25_08	MW-108B	WG	G												X	X								Do Not Analyze Cobalt
46	MW-109A_25_08	MW-109A	WG	G												X	X								
47	MW-109B_25_08	MW-109B	WG	G												X	X								
48	FD-1_25_08		WG	G	8/14	—	2	5	A		1	3	2		X	X									

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
								BP	8/15/25	1445

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Wessitt 8/15/25

SIGNATURE of SAMPLER Tyler Wessitt DATE Signed 13:35

8/29/2025

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 5 of 5 **COC Number:** 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date.	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz Tyler Merritt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix II List	TSS	IA Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Arsenic	Appendix II VOCs	Filtered (Y/N)	REMARKS / Lab ID
															N	N	N	N	N	N	N	N	N	N	N	
49	FD-2_25_08		WG	G											X	X										
50	FD-3_25_08		WG	G											X	X										
51	FD-4_25_08		WG	G											X	X										
52	FD-5_25_08		WG	G												X	X									
53	FB-1_25_08	FB-1	WQ	G	8/15	9:30	3	9		1	3	2			X	X										
54	FB-2_25_08	FB-2	WQ	G											X	X										
55	FB-3_25_08	FB-3	WQ	G											X	X										
56	TB-1_25_08	Trip Blank	WQ	G	—	—	4	2			2													X		
57	TB-2_25_08	Trip Blank	WQ	G																				X		
58	TB-3_25_08	Trip Blank	WQ	G																				X		
59	TB-4_25_08	Trip Blank	WQ	G																				X		
60	TB-5_25_08	Trip Blank	WQ	G																				X		

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
								BP	8/15/25	1445

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt

DATE Signed: 8/15/25 13:35

8/26/2025

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax 319-277-2425

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-86022 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et.eurofinsus com	State of Origin: Iowa	Page: Page 1 of 3
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State Program - Iowa		Job #: 310-313508-1
Address: 18410 Crossing Drive, Suite E	Due Date Requested: 8/28/2025			
City: Tinley Park	TAT Requested (days): N/A			
State Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CRLCSWA Site 1	Project #: 31009776			
Site: N/A	SSOW#: N/A			

Analysis Requested

310-313508 COC

Preservation Codes

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc/9030BSulfide, Acid soluble and Insoluble (Tit	8151A/8151A_AP_LVI(MOD) Appendix II	Total Number of containers	Special Instructions/Note:
			Preservation Code							
AW-1_25_08 (310-313508-1)	8/14/25	13 45 Central	G	Water			X	X	3	
AW-2_25_08 (310-313508-2)	8/13/25	15 50 Central	G	Water			X	X	3	
AW-3_25_08 (310-313508-3)	8/13/25	18 25 Central	G	Water			X	X	3	
CRL-9_25_08 (310-313508-4)	8/14/25	14 35 Central	G	Water			X	X	3	
MW-13_25_08 (310-313508-5)	8/14/25	10 05 Central	G	Water			X	X	3	
MW-14_25_08 (310-313508-6)	8/14/25	11 00 Central	G	Water			X	X	3	
MW-15_25_08 (310-313508-7)	8/15/25	09 30 Central	G	Water			X	X	3	
MW-16_25_08 (310-313508-8)	8/15/25	10 15 Central	G	Water			X	X	3	
MW-21_25_08 (310-313508-9)	8/14/25	16 15 Central	G	Water			X	X	3	

Note Since laboratory accreditations are subject to change Eurofins Environment Testing North Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central LLC

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II III, IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment.

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		8/18/25 1545			08/19/25 0920	EETA
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		36→34, 60→58 489†

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax 319 277-2425

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun Conner M	Carrier Tracking No(s): N/A	COC No: 310-86022 2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et eurofinsus com	State of Origin: Iowa	Page: Page 2 of 3
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State Program - Iowa		Job #: 310-313508-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 8/28/2025			
City: Tinley Park	TAT Requested (days): N/A			
State Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CRLCSWA Site 1	Project #: 31009776			
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc/9030BSulfide, Acid soluble and Insoluble (Tit	8151A/8151A_AP_LV(MOD) Appendix II	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-22_25_08 (310-313508-10)	8/14/25	16 50 Central	G	Water			X	X	3	
MW-23_25_08 (310-313508-11)	8/14/25	15 20 Central	G	Water			X	X	3	
MW-37_25_08 (310-313508-12)	8/13/25	12 05 Central	G	Water			X	X	3	
MW-38_25_08 (310-313508-13)	8/13/25	11 40 Central	G	Water			X	X	3	
VP-3_25_08 (310-313508-14)	8/13/25	14 25 Central	G	Water			X	X	3	
VP-4_25_08 (310-313508-15)	8/13/25	16 45 Central	G	Water			X	X	3	
MW-101A_25_08 (310-313508-16)	8/15/25	12 30 Central	G	Water			X	X	3	
MW-101B_25_08 (310-313508-17)	8/15/25	11 45 Central	G	Water			X	X	3	
FD-1_25_08 (310-313508-18)	8/14/25	Central	G	Water			X	X	3	

Preservation Codes — Other: N/A

Note Since laboratory accreditations are subject to change Eurofins Environment Testing North Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central LLC

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	8/18/25 1545			08/19/25 0920	FEETA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax 319 277 2425

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-86022 3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et.eurofinsus com	State of Origin: Iowa	Page: Page 3 of 3
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State Program - Iowa		Job #: 310-313508-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 8/28/2025			
City: Tinley Park	TAT Requested (days): N/A			
State, Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CRLCSWA Site 1	Project #: 31009776			
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc/9030BSulfide, Acid soluble and Insoluble (Tit	8151A/8151A_AP_LVI(MOD) Appendix II	Total Number of containers	Special Instructions/Note:
			Preservation Code							
FB-1_25_08 (310-313508-19)	8/15/25	09 30 Central	G	Water			X	X	3	

Preservation Codes:
Other: N/A

Note. Since laboratory accreditations are subject to change Eurofins Environment Testing North Central, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time: 8/18/25 1545	Company	Received by:	Date/Time: 08/19/25 0920	Company: EETA
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.	
		36 → 34	489†

Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-313508-1

Login Number: 313508

List Number: 1

Creator: Hirsch, Preston

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-313508-1

Login Number: 313508
List Number: 2
Creator: Knox, Angel

List Source: Eurofins Chicago
List Creation: 08/19/25 02:23 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gina Wilming
Foth Infrastructure & Environment, LLC
411 6th Avenue SE
Suite 400
Cedar Rapids, Iowa 52401

Generated 9/8/2025 12:11:03 AM

JOB DESCRIPTION

CRLCSWA Site 1
25C051.00

JOB NUMBER

310-313751-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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9/8/2025 12:11:03 AM

Authorized for release by
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(319)277-2401

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Job Narrative
310-313751-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/20/2025 4:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 1.6°C, 2.1°C, 2.3°C, 2.8°C, 3.3°C, 3.9°C, 3.9°C and 5.9°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 310-464361 recovered above the upper control limit for Dichlorodifluoromethane (20.6%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-464361/4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 310-464458 and analytical batch 310-464999 recovered outside control limits for the following analyte(s): 1,4-phenylenediamine and Kepone. 1,4-phenylenediamine and Kepone have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The laboratory control sample (LCS) for preparation batch 310-464458 and analytical batch 310-464999 recovered outside control limits for the following analytes: Diallate, Diallate Peak 1, Diallate Peak 2, Dimethoate, Famphur, Methyl parathion and o,o',o''-Triethylphosphorothioate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 310-464458 and analytical batch 310-464999 recovered outside control limits for the following analyte(s): Kepone. Kepone has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-464458 and analytical batch 310-464999 recovered outside control limits.

Method 8270E: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 310-464719 and analytical batch 310-465678 recovered outside control limits for the following analyte(s): 1,4-phenylenediamine. 1,4-phenylenediamine have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The laboratory control sample (LCS) for preparation batch 310-464719 and analytical batch 310-465678 recovered outside control limits for the following analytes: Diallate, Diallate Peak 1, Famphur and Kepone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The laboratory control sample duplicate (LCSD) for preparation batch 310-464719 and analytical batch 310-465678 recovered outside control limits for the following analytes: Famphur. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Job ID: 310-313751-1 (Continued) Eurofins Cedar Falls

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-464719 and analytical batch 310-465678 recovered outside control limits for the following analytes: 1,4-phenylenediamine and Kepone.

Method 8270E: The surrogate recovery for the blank associated with preparation batch 310-464719 and analytical batch 310-465678 was outside the upper control limits.

Method 8270E: Surrogate recovery for the following samples were outside the upper control limit: MW-26_25_08 (310-313751-8) and FD-2_25_08 (310-313751-19). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8270E: The initial calibration verification (ICV) result for batch 310-465678 was above the upper control limit. The affected analytes are: 1,4-phenylenediamine. Sample results were non-detects, and have been reported as qualified data.

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-465678 recovered above the upper control limit for Dibenzo(a,h)anthracene(35.1%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-465678/14).

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-465217 recovered above the upper control limit for Dibenzo(a,h)anthracene(41.3%D) and Indeno[1,2,3-cd]pyrene(57.7%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-465217/2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Herbicides
Method 8151A: The matrix spike (MS) recoveries for preparation batch 500-830649 and 500-831295 and analytical batch 500-831443 were outside control limits. Sample matrix interference is suspected.

Method 8151A: The laboratory control sample (LCS) for preparation batch 500-831295 and analytical batch 500-831443 recovered outside control limits for the following analytes: Silvex (2,4,5-TP). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8151A: Surrogate recovery for the following sample was outside the upper control limit: (310-313099-A-1-C MS). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
Method 8082A: Surrogate recovery for the following sample was outside the upper control limit: MW-30_25_08 (310-313751-10). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
Method 8081B: The continuing calibration verification (CCV) associated with batch 310-465443 recovered above the upper control limit for 4,4'-DDT and Methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 310-465299 recovered above the upper control limit for 4,4'-DDT and Methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 310-465443 recovered above the upper control limit for 4,4'-DDT and Methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-313751-1	AW-4_25_08	Water	08/19/25 16:20	08/20/25 16:15	Iowa
310-313751-2	MW--17_25_08	Water	08/19/25 10:35	08/20/25 16:15	Iowa
310-313751-3	MW-18_25_08	Water	08/19/25 09:45	08/20/25 16:15	Iowa
310-313751-4	MW-19_25_08	Water	08/19/25 10:45	08/20/25 16:15	Iowa
310-313751-5	MW-20_25_08	Water	08/19/25 14:05	08/20/25 16:15	Iowa
310-313751-6	MW-24_25_08	Water	08/18/25 11:00	08/20/25 16:15	Iowa
310-313751-7	MW-25_25_08	Water	08/18/25 11:50	08/20/25 16:15	Iowa
310-313751-8	MW-26_25_08	Water	08/18/25 14:25	08/20/25 16:15	Iowa
310-313751-9	MW-28_25_08	Water	08/18/25 12:00	08/20/25 16:15	Iowa
310-313751-10	MW-30_25_08	Water	08/18/25 15:35	08/20/25 16:15	Iowa
310-313751-11	MW-31_25_08	Water	08/18/25 17:10	08/20/25 16:15	Iowa
310-313751-12	MW-35_25_08	Water	08/19/25 17:15	08/20/25 16:15	Iowa
310-313751-13	MW-36_25_08	Water	08/19/25 16:25	08/20/25 16:15	Iowa
310-313751-14	MW-102B_25_08	Water	08/18/25 14:10	08/20/25 16:15	Iowa
310-313751-15	MW-106A_25_08	Water	08/18/25 16:00	08/20/25 16:15	Iowa
310-313751-16	MW-107A_25_08	Water	08/18/25 11:40	08/20/25 16:15	Iowa
310-313751-17	MW-107B_25_08	Water	08/18/25 11:00	08/20/25 16:15	Iowa
310-313751-18	MW-108B_25_08	Water	08/18/25 14:50	08/20/25 16:15	Iowa
310-313751-19	FD-2_25_08	Water	08/18/25 00:00	08/20/25 16:15	Iowa
310-313751-20	FD-5_25_08	Water	08/18/25 00:00	08/20/25 16:15	Iowa
310-313751-21	FB-2_25_08	Water	08/19/25 16:25	08/20/25 16:15	Iowa
310-313751-22	TB-2_25_08	Water	08/19/25 00:00	08/20/25 16:15	Iowa

Detection Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: AW-4_25_08 — Lab Sample ID: 310-313751-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.00191	J	0.00200	0.00100	mg/L	1		6020B	Total/NA
Arsenic	0.00415		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0867		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000507		0.000200	0.000100	mg/L	1		6020B	Total/NA
Chromium	0.00184	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Cobalt	0.0164		0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.140		0.00500	0.00320	mg/L	1		6020B	Total/NA
Lead	0.00144		0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.126		0.00500	0.00230	mg/L	1		6020B	Total/NA
Selenium	0.00140	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Silver	0.00196		0.00100	0.000500	mg/L	1		6020B	Total/NA
Vanadium	0.00380	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Sulfide	0.510	J	1.00	0.231	mg/L	1		9034	Total/NA
Total Suspended Solids	4.67	J	5.00	3.50	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW--17_25_08 — Lab Sample ID: 310-313751-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0410		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0668		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00795		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0143		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	57.7		5.00	3.50	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-18_25_08 — Lab Sample ID: 310-313751-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methoxychlor	0.732		0.0941	0.0301	ug/L	1		8081B	Total/NA
Arsenic	0.00679		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0199		0.00200	0.000660	mg/L	1		6020B	Total/NA
Nickel	0.00789		0.00500	0.00230	mg/L	1		6020B	Total/NA
Sulfide	0.319	J	1.00	0.231	mg/L	1		9034	Total/NA
Total Suspended Solids	3.00		3.00	2.10	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-19_25_08 — Lab Sample ID: 310-313751-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000853	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0331		0.00200	0.000660	mg/L	1		6020B	Total/NA
Nickel	0.0160		0.00500	0.00230	mg/L	1		6020B	Total/NA
Sulfide	0.239	J	1.00	0.231	mg/L	1		9034	Total/NA
Total Suspended Solids	1.38	J	1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-20_25_08 — Lab Sample ID: 310-313751-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0123		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.117		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000835		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0133		0.00500	0.00230	mg/L	1		6020B	Total/NA
Thallium	0.000667	J	0.00100	0.000570	mg/L	1		6020B	Total/NA
Zinc	0.0224		0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	5.50		3.75	2.63	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-24_25_08 — Lab Sample ID: 310-313751-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	4.04		1.00	0.370	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	7.42		1.00	0.230	ug/L	1		8260D	Total/NA
Benzene	4.26		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	39.5		1.00	0.400	ug/L	1		8260D	Total/NA
Bis(2-ethylhexyl) phthalate	10.0	J *1	10.2	5.61	ug/L	1		8270E	Total/NA
Antimony	0.00118	J	0.00200	0.00100	mg/L	1		6020B	Total/NA
Arsenic	0.105		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.809		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00131		0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.0109		0.00500	0.00320	mg/L	1		6020B	Total/NA
Lead	0.000805		0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.0536		0.00500	0.00230	mg/L	1		6020B	Total/NA
Thallium	0.00392		0.00100	0.000570	mg/L	1		6020B	Total/NA
Vanadium	0.00170	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Zinc	0.0146	J	0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	15.3		3.75	2.63	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-25_25_08 — Lab Sample ID: 310-313751-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.865	J	1.00	0.210	ug/L	1		8260D	Total/NA
Vinyl chloride	0.482	J	1.00	0.180	ug/L	1		8260D	Total/NA
Arsenic	0.00165	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.238		0.00200	0.000660	mg/L	1		6020B	Total/NA
Total Suspended Solids	3.38		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-26_25_08 — Lab Sample ID: 310-313751-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00106	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.167		0.00200	0.000660	mg/L	1		6020B	Total/NA
Total Suspended Solids	10.8		3.75	2.63	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-28_25_08 — Lab Sample ID: 310-313751-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.178		0.00200	0.000660	mg/L	1		6020B	Total/NA
Total Suspended Solids	20.5		3.75	2.63	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-30_25_08 — Lab Sample ID: 310-313751-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.23		0.500	0.220	ug/L	1		8260D	Total/NA
Chloroethane	8.20		4.00	0.790	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	5.87		1.00	0.210	ug/L	1		8260D	Total/NA
Toluene	0.541	J	1.00	0.430	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.594	J	1.00	0.270	ug/L	1		8260D	Total/NA
Vinyl chloride	0.865	J	1.00	0.180	ug/L	1		8260D	Total/NA
Methylphenol, 3 & 4	6.69	J *1	10.9	0.761	ug/L	1		8270E	Total/NA
Arsenic	0.0144		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.157		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00166		0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.0144		0.00500	0.00320	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-30_25_08 (Continued) — Lab Sample ID: 310-313751-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.0290		0.00500	0.00230	mg/L	1		6020B	Total/NA
Zinc	0.0804		0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	21.8		3.75	2.63	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-31_25_08 — Lab Sample ID: 310-313751-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0876		0.00200	0.000660	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.25		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-35_25_08 — Lab Sample ID: 310-313751-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00431		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.156		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000148	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00480		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0243		0.00500	0.00230	mg/L	1		6020B	Total/NA
Zinc	0.0256		0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	5.13		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-36_25_08 — Lab Sample ID: 310-313751-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	1.39		1.00	0.230	ug/L	1		8260D	Total/NA
Chlorobenzene	5.45		1.00	0.400	ug/L	1		8260D	Total/NA
Arsenic	0.0532		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.610		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00131		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00856		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	20.3		5.00	3.50	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-102B_25_08 — Lab Sample ID: 310-313751-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.123		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00159		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00255	J	0.00500	0.00230	mg/L	1		6020B	Total/NA

Client Sample ID: MW-106A_25_08 — Lab Sample ID: 310-313751-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0243		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.311		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.0253		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0434		0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00181	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Total Suspended Solids	44.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-107A_25_08 — Lab Sample ID: 310-313751-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.164		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000202	J	0.000500	0.000170	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-107A_25_08 (Continued) — Lab Sample ID: 310-313751-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.00393	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Selenium	0.00352	J	0.00500	0.00140	mg/L	1		6020B	Total/NA

Client Sample ID: MW-107B_25_08 — Lab Sample ID: 310-313751-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.275		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00138		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00993		0.00500	0.00230	mg/L	1		6020B	Total/NA
Thallium	0.00168		0.00100	0.000570	mg/L	1		6020B	Total/NA
Total Suspended Solids	3.87		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-108B_25_08 — Lab Sample ID: 310-313751-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.192		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00437		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00754		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.88		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: FD-2_25_08 — Lab Sample ID: 310-313751-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	9.97		1.00	0.220	ug/L	1		8260D	Total/NA
1,2-Dichloropropane	0.338	J	1.00	0.270	ug/L	1		8260D	Total/NA
Benzene	1.20		0.500	0.220	ug/L	1		8260D	Total/NA
Chloroethane	7.72		4.00	0.790	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	6.06		1.00	0.210	ug/L	1		8260D	Total/NA
Toluene	0.605	J	1.00	0.430	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.694	J	1.00	0.270	ug/L	1		8260D	Total/NA
Vinyl chloride	0.861	J	1.00	0.180	ug/L	1		8260D	Total/NA
Methylphenol, 3 & 4	8.05	J *1	10.4	0.729	ug/L	1		8270E	Total/NA
Arsenic	0.0139		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.154		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00158		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0277		0.00500	0.00230	mg/L	1		6020B	Total/NA
Zinc	0.0741		0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	19.3		3.75	2.63	mg/L	1		I-3765-85	Total/NA

Client Sample ID: FD-5_25_08 — Lab Sample ID: 310-313751-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.264		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00155		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0102		0.00500	0.00230	mg/L	1		6020B	Total/NA
Thallium	0.00160		0.00100	0.000570	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.63		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: FB-2_25_08 — Lab Sample ID: 310-313751-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Styrene	0.611	J	1.00	0.370	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313751-1
Project/Site: CRLCSWA Site 1
SDG: 25C051.00

Client Sample ID: TB-2_25_08 **Lab Sample ID: 310-313751-22**

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: AW-4_25_08
Date Collected: 08/19/25 16:20
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 13:45	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 13:45	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 13:45	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 13:45	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 13:45	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 13:45	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/21/25 13:45	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 13:45	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/21/25 13:45	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 13:45	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 13:45	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 13:45	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 13:45	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 13:45	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/21/25 13:45	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/21/25 13:45	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 13:45	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/21/25 13:45	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 13:45	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 13:45	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 13:45	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 13:45	1
Acrolein	<3.60		10.0	3.60	ug/L			08/21/25 13:45	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 13:45	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/21/25 13:45	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 13:45	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 13:45	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 13:45	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 13:45	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 13:45	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 13:45	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 13:45	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 13:45	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 13:45	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 13:45	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 13:45	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 13:45	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/21/25 13:45	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 13:45	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 13:45	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 13:45	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/21/25 13:45	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/21/25 13:45	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 13:45	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 13:45	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/21/25 13:45	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/21/25 13:45	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/21/25 13:45	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/21/25 13:45	1

Client Sample ID: AW-4_25_08
Date Collected: 08/19/25 16:20
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/21/25 13:45	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/21/25 13:45	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/21/25 13:45	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 13:45	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 13:45	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 13:45	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 13:45	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 13:45	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 13:45	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 13:45	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 13:45	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 13:45	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 13:45	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*76 - 130*		*08/21/25 13:45*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/21/25 13:45*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/21/25 13:45*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.529		9.80	0.529	ug/L		08/26/25 07:34	09/05/25 02:53	1
1,3,5-Trinitrobenzene	<2.25		9.80	2.25	ug/L		08/26/25 07:34	09/05/25 02:53	1
1,3-Dinitrobenzene	<3.14		9.80	3.14	ug/L		08/26/25 07:34	09/05/25 02:53	1
1,4-Naphthoquinone	<3.53		9.80	3.53	ug/L		08/26/25 07:34	09/05/25 02:53	1
1,4-phenylenediamine	<1.86	*- *1	9.80	1.86	ug/L		08/26/25 07:34	09/05/25 02:53	1
1-Naphthylamine	<2.45		9.80	2.45	ug/L		08/26/25 07:34	09/05/25 02:53	1
2,3,4,6-Tetrachlorophenol	<5.20		9.80	5.20	ug/L		08/26/25 07:34	09/05/25 02:53	1
2,4,5-Trichlorophenol	<5.20		9.80	5.20	ug/L		08/26/25 07:34	09/05/25 02:53	1
2,4,6-Trichlorophenol	<4.90		9.80	4.90	ug/L		08/26/25 07:34	09/05/25 02:53	1
2,4-Dichlorophenol	<0.833		9.80	0.833	ug/L		08/26/25 07:34	09/05/25 02:53	1
2,4-Dimethylphenol	<0.569		9.80	0.569	ug/L		08/26/25 07:34	09/05/25 02:53	1
2,4-Dinitrophenol	<12.7		19.6	12.7	ug/L		08/26/25 07:34	09/05/25 02:53	1
2,4-Dinitrotoluene	<6.27		9.80	6.27	ug/L		08/26/25 07:34	09/05/25 02:53	1
2,6-Dichlorophenol	<0.676		9.80	0.676	ug/L		08/26/25 07:34	09/05/25 02:53	1
2,6-Dinitrotoluene	<0.510		9.80	0.510	ug/L		08/26/25 07:34	09/05/25 02:53	1
2-Acetylaminofluorene	<2.65		9.80	2.65	ug/L		08/26/25 07:34	09/05/25 02:53	1
2-Chloronaphthalene	<0.627		9.80	0.627	ug/L		08/26/25 07:34	09/05/25 02:53	1
2-Chlorophenol	<0.529		9.80	0.529	ug/L		08/26/25 07:34	09/05/25 02:53	1
2-Methylnaphthalene	<0.578		9.80	0.578	ug/L		08/26/25 07:34	09/05/25 02:53	1
2-Methylphenol	<0.637		9.80	0.637	ug/L		08/26/25 07:34	09/05/25 02:53	1
2-Naphthylamine	<2.06		9.80	2.06	ug/L		08/26/25 07:34	09/05/25 02:53	1
2-Nitroaniline	<5.78		9.80	5.78	ug/L		08/26/25 07:34	09/05/25 02:53	1
2-Nitrophenol	<6.67		9.80	6.67	ug/L		08/26/25 07:34	09/05/25 02:53	1
3,3'-Dichlorobenzidine	<1.37		9.80	1.37	ug/L		08/26/25 07:34	09/05/25 02:53	1
3,3'-Dimethylbenzidine	<1.47		9.80	1.47	ug/L		08/26/25 07:34	09/05/25 02:53	1
3-Methylcholanthrene	<0.314		9.80	0.314	ug/L		08/26/25 07:34	09/05/25 02:53	1
3-Nitroaniline	<2.65		9.80	2.65	ug/L		08/26/25 07:34	09/05/25 02:53	1
4,6-Dinitro-2-methylphenol	<6.76		9.80	6.76	ug/L		08/26/25 07:34	09/05/25 02:53	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: AW-4_25_08
Date Collected: 08/19/25 16:20
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.16		9.80	2.16	ug/L		08/26/25 07:34	09/05/25 02:53	1
4-Bromophenyl phenyl ether	<0.686		9.80	0.686	ug/L		08/26/25 07:34	09/05/25 02:53	1
4-Chloro-3-methylphenol	<0.824		9.80	0.824	ug/L		08/26/25 07:34	09/05/25 02:53	1
4-Chloroaniline	<0.608		9.80	0.608	ug/L		08/26/25 07:34	09/05/25 02:53	1
4-Chlorophenyl phenyl ether	<0.676		9.80	0.676	ug/L		08/26/25 07:34	09/05/25 02:53	1
Methylphenol, 3 & 4	<0.686		9.80	0.686	ug/L		08/26/25 07:34	09/05/25 02:53	1
4-Nitroaniline	<1.27		9.80	1.27	ug/L		08/26/25 07:34	09/05/25 02:53	1
4-Nitrophenol	<7.45		9.80	7.45	ug/L		08/26/25 07:34	09/05/25 02:53	1
5-Nitro-o-toluidine	<2.75		9.80	2.75	ug/L		08/26/25 07:34	09/05/25 02:53	1
7,12-Dimethylbenz(a)anthracene	<1.86		9.80	1.86	ug/L		08/26/25 07:34	09/05/25 02:53	1
Acenaphthene	<0.627		9.80	0.627	ug/L		08/26/25 07:34	09/05/25 02:53	1
Acenaphthylene	<0.706		9.80	0.706	ug/L		08/26/25 07:34	09/05/25 02:53	1
Acetophenone	<0.676		9.80	0.676	ug/L		08/26/25 07:34	09/05/25 02:53	1
Anthracene	<0.853		9.80	0.853	ug/L		08/26/25 07:34	09/05/25 02:53	1
Benzo[a]anthracene	<0.833		9.80	0.833	ug/L		08/26/25 07:34	09/05/25 02:53	1
Benzo[a]pyrene	<7.94		9.80	7.94	ug/L		08/26/25 07:34	08/29/25 21:03	1
Benzo[b]fluoranthene	<4.80		9.80	4.80	ug/L		08/26/25 07:34	09/05/25 02:53	1
Benzo[g,h,i]perylene	<6.18		9.80	6.18	ug/L		08/26/25 07:34	09/05/25 02:53	1
Benzo[k]fluoranthene	<2.16		9.80	2.16	ug/L		08/26/25 07:34	09/05/25 02:53	1
Benzyl alcohol	<1.27		9.80	1.27	ug/L		08/26/25 07:34	09/05/25 02:53	1
Bis(2-chloroethoxy)methane	<0.745		9.80	0.745	ug/L		08/26/25 07:34	09/05/25 02:53	1
Bis(2-chloroethyl)ether	<0.804		9.80	0.804	ug/L		08/26/25 07:34	09/05/25 02:53	1
2,2'-oxybis[1-chloropropane]	<0.529		9.80	0.529	ug/L		08/26/25 07:34	09/05/25 02:53	1
Bis(2-ethylhexyl) phthalate	<5.39		9.80	5.39	ug/L		08/26/25 07:34	09/05/25 02:53	1
Butyl benzyl phthalate	<5.29		9.80	5.29	ug/L		08/26/25 07:34	09/05/25 02:53	1
Chlorobenzilate	<3.53		9.80	3.53	ug/L		08/26/25 07:34	09/05/25 02:53	1
Chrysene	<0.853		9.80	0.853	ug/L		08/26/25 07:34	09/05/25 02:53	1
Diallate	<3.92	*+	9.80	3.92	ug/L		08/26/25 07:34	09/05/25 02:53	1
Dibenzo(a,h)anthracene	<3.82		9.80	3.82	ug/L		08/26/25 07:34	08/29/25 21:03	1
Dibenzofuran	<0.725		9.80	0.725	ug/L		08/26/25 07:34	09/05/25 02:53	1
Diethyl phthalate	<1.67		9.80	1.67	ug/L		08/26/25 07:34	09/05/25 02:53	1
Dimethoate	<3.53		9.80	3.53	ug/L		08/26/25 07:34	09/05/25 02:53	1
Dimethyl phthalate	<0.980		9.80	0.980	ug/L		08/26/25 07:34	09/05/25 02:53	1
Di-n-butyl phthalate	<5.49		9.80	5.49	ug/L		08/26/25 07:34	09/05/25 02:53	1
Di-n-octyl phthalate	<6.86		19.6	6.86	ug/L		08/26/25 07:34	09/05/25 02:53	1
Dinoseb	<2.35		9.80	2.35	ug/L		08/26/25 07:34	09/05/25 02:53	1
Diphenylamine	<5.88		9.80	5.88	ug/L		08/26/25 07:34	09/05/25 02:53	1
Disulfoton	<2.35		9.80	2.35	ug/L		08/26/25 07:34	09/05/25 02:53	1
Ethyl methanesulfonate	<3.53		9.80	3.53	ug/L		08/26/25 07:34	09/05/25 02:53	1
Ethyl Parathion	<2.16		9.80	2.16	ug/L		08/26/25 07:34	09/05/25 02:53	1
Famphur	<3.73	*+	9.80	3.73	ug/L		08/26/25 07:34	09/05/25 02:53	1
Fluoranthene	<1.67		9.80	1.67	ug/L		08/26/25 07:34	09/05/25 02:53	1
Fluorene	<0.775		9.80	0.775	ug/L		08/26/25 07:34	09/05/25 02:53	1
Hexachlorobenzene	<0.686		9.80	0.686	ug/L		08/26/25 07:34	09/05/25 02:53	1
Hexachlorobutadiene	<0.843		9.80	0.843	ug/L		08/26/25 07:34	09/05/25 02:53	1
Hexachlorocyclopentadiene	<5.00		9.80	5.00	ug/L		08/26/25 07:34	09/05/25 02:53	1
Hexachloroethane	<0.951		9.80	0.951	ug/L		08/26/25 07:34	09/05/25 02:53	1
Hexachloropropene	<2.55		9.80	2.55	ug/L		08/26/25 07:34	09/05/25 02:53	1
Indeno[1,2,3-cd]pyrene	<4.12		9.80	4.12	ug/L		08/26/25 07:34	08/29/25 21:03	1

Client Sample ID: AW-4_25_08
Date Collected: 08/19/25 16:20
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.61		9.80	4.61	ug/L		08/26/25 07:34	09/05/25 02:53	1
Isophorone	<0.912		9.80	0.912	ug/L		08/26/25 07:34	09/05/25 02:53	1
Isosafrole	<2.25		9.80	2.25	ug/L		08/26/25 07:34	09/05/25 02:53	1
Kepone	<0.980	*+ *1	9.80	0.980	ug/L		08/26/25 07:34	09/05/25 02:53	1
Methapyrilene	<0.745		9.80	0.745	ug/L		08/26/25 07:34	09/05/25 02:53	1
Methyl methanesulfonate	<3.24		9.80	3.24	ug/L		08/26/25 07:34	09/05/25 02:53	1
Methyl parathion	<2.25		9.80	2.25	ug/L		08/26/25 07:34	09/05/25 02:53	1
Nitrobenzene	<0.784		9.80	0.784	ug/L		08/26/25 07:34	09/05/25 02:53	1
N-Nitrosodiethylamine	<3.33		9.80	3.33	ug/L		08/26/25 07:34	09/05/25 02:53	1
N-Nitrosodimethylamine	<0.706		9.80	0.706	ug/L		08/26/25 07:34	09/05/25 02:53	1
N-Nitrosodi-n-butylamine	<3.82		9.80	3.82	ug/L		08/26/25 07:34	09/05/25 02:53	1
N-Nitrosodi-n-propylamine	<0.902		9.80	0.902	ug/L		08/26/25 07:34	09/05/25 02:53	1
N-Nitrosodiphenylamine	<0.735		9.80	0.735	ug/L		08/26/25 07:34	09/05/25 02:53	1
N-Nitrosomethylethylamine	<4.80		9.80	4.80	ug/L		08/26/25 07:34	09/05/25 02:53	1
N-Nitrosopiperidine	<2.65		9.80	2.65	ug/L		08/26/25 07:34	09/05/25 02:53	1
N-Nitrosopyrrolidine	<3.53		9.80	3.53	ug/L		08/26/25 07:34	09/05/25 02:53	1
o,o',o''-Triethylphosphorothioate	<3.14		9.80	3.14	ug/L		08/26/25 07:34	09/05/25 02:53	1
o-Toluidine	<2.84		9.80	2.84	ug/L		08/26/25 07:34	09/05/25 02:53	1
p-Dimethylamino azobenzene	<2.16		9.80	2.16	ug/L		08/26/25 07:34	09/05/25 02:53	1
Pentachlorobenzene	<2.75		9.80	2.75	ug/L		08/26/25 07:34	09/05/25 02:53	1
Pentachloronitrobenzene	<5.69		9.80	5.69	ug/L		08/26/25 07:34	09/05/25 02:53	1
Pentachlorophenol	<9.41		9.80	9.41	ug/L		08/26/25 07:34	09/05/25 02:53	1
Phenacetin	<1.86		9.80	1.86	ug/L		08/26/25 07:34	09/05/25 02:53	1
Phenanthrene	<0.775		9.80	0.775	ug/L		08/26/25 07:34	09/05/25 02:53	1
Phenol	<1.08		9.80	1.08	ug/L		08/26/25 07:34	09/05/25 02:53	1
Phorate	<3.14		9.80	3.14	ug/L		08/26/25 07:34	09/05/25 02:53	1
Pronamide	<2.65		9.80	2.65	ug/L		08/26/25 07:34	09/05/25 02:53	1
Pyrene	<0.775		9.80	0.775	ug/L		08/26/25 07:34	09/05/25 02:53	1
Safrole	<2.75		9.80	2.75	ug/L		08/26/25 07:34	09/05/25 02:53	1
Thionazin	<3.43		9.80	3.43	ug/L		08/26/25 07:34	09/05/25 02:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*55*		*21 - 110*	*08/26/25 07:34*	*09/05/25 02:53*	*1*
Phenol-d5 (Surr)	*43*		*21 - 110*	*08/26/25 07:34*	*09/05/25 02:53*	*1*
Nitrobenzene-d5 (Surr)	*87*		*39 - 140*	*08/26/25 07:34*	*09/05/25 02:53*	*1*
2-Fluorobiphenyl (Surr)	*88*		*33 - 126*	*08/26/25 07:34*	*09/05/25 02:53*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*20 - 144*	*08/26/25 07:34*	*09/05/25 02:53*	*1*
Terphenyl-d14 (Surr)	*90*		*13 - 150*	*08/26/25 07:34*	*09/05/25 02:53*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/22/25 11:29	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/22/25 11:29	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0238		0.0954	0.0238	ug/L		08/25/25 13:33	09/02/25 13:18	1
4,4'-DDE	<0.0286		0.0954	0.0286	ug/L		08/25/25 13:33	09/02/25 13:18	1
4,4'-DDT	<0.0191		0.0954	0.0191	ug/L		08/25/25 13:33	09/02/25 13:18	1
Aldrin	<0.0210		0.0954	0.0210	ug/L		08/25/25 13:33	09/02/25 13:18	1

Client Sample ID: AW-4_25_08
Date Collected: 08/19/25 16:20
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-1
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00954		0.0954	0.00954	ug/L		08/25/25 13:33	09/02/25 13:18	1
beta-BHC	<0.0401		0.0954	0.0401	ug/L		08/25/25 13:33	09/02/25 13:18	1
Chlordane (technical)	<0.372		1.91	0.372	ug/L		08/25/25 13:33	09/02/25 13:18	1
delta-BHC	<0.0305		0.0954	0.0305	ug/L		08/25/25 13:33	09/02/25 13:18	1
Dieldrin	<0.0200		0.0954	0.0200	ug/L		08/25/25 13:33	09/02/25 13:18	1
Endosulfan I	<0.0267		0.0954	0.0267	ug/L		08/25/25 13:33	09/02/25 13:18	1
Endosulfan II	<0.0248		0.0954	0.0248	ug/L		08/25/25 13:33	09/02/25 13:18	1
Endosulfan sulfate	<0.0172		0.0954	0.0172	ug/L		08/25/25 13:33	09/02/25 13:18	1
Endrin	<0.0267		0.0954	0.0267	ug/L		08/25/25 13:33	09/02/25 13:18	1
Endrin aldehyde	<0.0257		0.0954	0.0257	ug/L		08/25/25 13:33	09/02/25 13:18	1
gamma-BHC (Lindane)	<0.00954		0.0954	0.00954	ug/L		08/25/25 13:33	09/02/25 13:18	1
Heptachlor	<0.0219		0.0954	0.0219	ug/L		08/25/25 13:33	09/02/25 13:18	1
Heptachlor epoxide	<0.0305		0.0954	0.0305	ug/L		08/25/25 13:33	09/02/25 13:18	1
Methoxychlor	<0.0305		0.0954	0.0305	ug/L		08/25/25 13:33	09/02/25 13:18	1
Toxaphene	<0.954		1.91	0.954	ug/L		08/25/25 13:33	09/02/25 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*69*		*10 - 150*	*08/25/25 13:33*	*09/02/25 13:18*	*1*
Tetrachloro-m-xylene	*97*		*17 - 150*	*08/25/25 13:33*	*09/02/25 13:18*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.782		1.91	0.782	ug/L		08/25/25 13:33	09/02/25 13:18	1
PCB-1221	<0.782		1.91	0.782	ug/L		08/25/25 13:33	09/02/25 13:18	1
PCB-1232	<0.782		1.91	0.782	ug/L		08/25/25 13:33	09/02/25 13:18	1
PCB-1242	<0.782		1.91	0.782	ug/L		08/25/25 13:33	09/02/25 13:18	1
PCB-1248	<0.658		1.91	0.658	ug/L		08/25/25 13:33	09/02/25 13:18	1
PCB-1254	<0.658		1.91	0.658	ug/L		08/25/25 13:33	09/02/25 13:18	1
PCB-1260	<0.658		1.91	0.658	ug/L		08/25/25 13:33	09/02/25 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*10 - 150*	*08/25/25 13:33*	*09/02/25 13:18*	*1*
Tetrachloro-m-xylene	*99*		*17 - 150*	*08/25/25 13:33*	*09/02/25 13:18*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.133		1.06	0.133	ug/L		08/25/25 07:17	08/25/25 19:55	1
Silvex (2,4,5-TP)	<0.111	*+	1.06	0.111	ug/L		08/25/25 07:17	08/25/25 19:55	1
2,4,5-T	<0.148		1.06	0.148	ug/L		08/25/25 07:17	08/25/25 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*90*		*25 - 130*	*08/25/25 07:17*	*08/25/25 19:55*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00191**	**J**	0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 12:24	1
Arsenic	**0.00415**		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 12:24	1
Barium	**0.0867**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 12:24	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 12:24	1
Cadmium	**0.000507**		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 12:24	1
Chromium	**0.00184**	**J**	0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 12:24	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: AW-4_25_08

Date Collected: 08/19/25 16:20
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.0164**		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 12:24	1
Copper	**0.140**		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 12:24	1
Lead	**0.00144**		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 12:24	1
Nickel	**0.126**		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 12:24	1
Selenium	**0.00140**	**J**	0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 12:24	1
Silver	**0.00196**		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 12:24	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 12:24	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/22/25 09:00	08/27/25 12:24	1
Vanadium	**0.00380**	**J**	0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 12:24	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 12:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/27/25 12:30	08/28/25 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/21/25 11:14	08/22/25 19:27	1
Sulfide (SW846 9034)	**0.510**	**J**	1.00	0.231	mg/L		08/24/25 18:05	08/25/25 02:00	1
Total Suspended Solids (USGS I-3765-85)	**4.67**	**J**	5.00	3.50	mg/L			08/22/25 11:28	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW--17_25_08
Date Collected: 08/19/25 10:35
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 14:08	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 14:08	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 14:08	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 14:08	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 14:08	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 14:08	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/21/25 14:08	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 14:08	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/21/25 14:08	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 14:08	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 14:08	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 14:08	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 14:08	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 14:08	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/21/25 14:08	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/21/25 14:08	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 14:08	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/21/25 14:08	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 14:08	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 14:08	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 14:08	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 14:08	1
Acrolein	<3.60		10.0	3.60	ug/L			08/21/25 14:08	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 14:08	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/21/25 14:08	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 14:08	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 14:08	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 14:08	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 14:08	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 14:08	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 14:08	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 14:08	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 14:08	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 14:08	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 14:08	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 14:08	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 14:08	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/21/25 14:08	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 14:08	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 14:08	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 14:08	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/21/25 14:08	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/21/25 14:08	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 14:08	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 14:08	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/21/25 14:08	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/21/25 14:08	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/21/25 14:08	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/21/25 14:08	1

Client Sample ID: MW--17_25_08
Date Collected: 08/19/25 10:35
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/21/25 14:08	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/21/25 14:08	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/21/25 14:08	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 14:08	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 14:08	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 14:08	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 14:08	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 14:08	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 14:08	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 14:08	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 14:08	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 14:08	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 14:08	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*76 - 130*		*08/21/25 14:08*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/21/25 14:08*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/21/25 14:08*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.574		10.6	0.574	ug/L		08/26/25 07:34	09/05/25 03:19	1
1,3,5-Trinitrobenzene	<2.45		10.6	2.45	ug/L		08/26/25 07:34	09/05/25 03:19	1
1,3-Dinitrobenzene	<3.40		10.6	3.40	ug/L		08/26/25 07:34	09/05/25 03:19	1
1,4-Naphthoquinone	<3.83		10.6	3.83	ug/L		08/26/25 07:34	09/05/25 03:19	1
1,4-phenylenediamine	<2.02	*- *1	10.6	2.02	ug/L		08/26/25 07:34	09/05/25 03:19	1
1-Naphthylamine	<2.66		10.6	2.66	ug/L		08/26/25 07:34	09/05/25 03:19	1
2,3,4,6-Tetrachlorophenol	<5.64		10.6	5.64	ug/L		08/26/25 07:34	09/05/25 03:19	1
2,4,5-Trichlorophenol	<5.64		10.6	5.64	ug/L		08/26/25 07:34	09/05/25 03:19	1
2,4,6-Trichlorophenol	<5.32		10.6	5.32	ug/L		08/26/25 07:34	09/05/25 03:19	1
2,4-Dichlorophenol	<0.904		10.6	0.904	ug/L		08/26/25 07:34	09/05/25 03:19	1
2,4-Dimethylphenol	<0.617		10.6	0.617	ug/L		08/26/25 07:34	09/05/25 03:19	1
2,4-Dinitrophenol	<13.8		21.3	13.8	ug/L		08/26/25 07:34	09/05/25 03:19	1
2,4-Dinitrotoluene	<6.81		10.6	6.81	ug/L		08/26/25 07:34	09/05/25 03:19	1
2,6-Dichlorophenol	<0.734		10.6	0.734	ug/L		08/26/25 07:34	09/05/25 03:19	1
2,6-Dinitrotoluene	<0.553		10.6	0.553	ug/L		08/26/25 07:34	09/05/25 03:19	1
2-Acetylaminofluorene	<2.87		10.6	2.87	ug/L		08/26/25 07:34	09/05/25 03:19	1
2-Chloronaphthalene	<0.681		10.6	0.681	ug/L		08/26/25 07:34	09/05/25 03:19	1
2-Chlorophenol	<0.574		10.6	0.574	ug/L		08/26/25 07:34	09/05/25 03:19	1
2-Methylnaphthalene	<0.628		10.6	0.628	ug/L		08/26/25 07:34	09/05/25 03:19	1
2-Methylphenol	<0.691		10.6	0.691	ug/L		08/26/25 07:34	09/05/25 03:19	1
2-Naphthylamine	<2.23		10.6	2.23	ug/L		08/26/25 07:34	09/05/25 03:19	1
2-Nitroaniline	<6.28		10.6	6.28	ug/L		08/26/25 07:34	09/05/25 03:19	1
2-Nitrophenol	<7.23		10.6	7.23	ug/L		08/26/25 07:34	09/05/25 03:19	1
3,3'-Dichlorobenzidine	<1.49		10.6	1.49	ug/L		08/26/25 07:34	09/05/25 03:19	1
3,3'-Dimethylbenzidine	<1.60		10.6	1.60	ug/L		08/26/25 07:34	09/05/25 03:19	1
3-Methylcholanthrene	<0.340		10.6	0.340	ug/L		08/26/25 07:34	09/05/25 03:19	1
3-Nitroaniline	<2.87		10.6	2.87	ug/L		08/26/25 07:34	09/05/25 03:19	1
4,6-Dinitro-2-methylphenol	<7.34		10.6	7.34	ug/L		08/26/25 07:34	09/05/25 03:19	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW--17_25_08
Date Collected: 08/19/25 10:35
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.34		10.6	2.34	ug/L		08/26/25 07:34	09/05/25 03:19	1
4-Bromophenyl phenyl ether	<0.745		10.6	0.745	ug/L		08/26/25 07:34	09/05/25 03:19	1
4-Chloro-3-methylphenol	<0.894		10.6	0.894	ug/L		08/26/25 07:34	09/05/25 03:19	1
4-Chloroaniline	<0.660		10.6	0.660	ug/L		08/26/25 07:34	09/05/25 03:19	1
4-Chlorophenyl phenyl ether	<0.734		10.6	0.734	ug/L		08/26/25 07:34	09/05/25 03:19	1
Methylphenol, 3 & 4	<0.745		10.6	0.745	ug/L		08/26/25 07:34	09/05/25 03:19	1
4-Nitroaniline	<1.38		10.6	1.38	ug/L		08/26/25 07:34	09/05/25 03:19	1
4-Nitrophenol	<8.09		10.6	8.09	ug/L		08/26/25 07:34	09/05/25 03:19	1
5-Nitro-o-toluidine	<2.98		10.6	2.98	ug/L		08/26/25 07:34	09/05/25 03:19	1
7,12-Dimethylbenz(a)anthracene	<2.02		10.6	2.02	ug/L		08/26/25 07:34	09/05/25 03:19	1
Acenaphthene	<0.681		10.6	0.681	ug/L		08/26/25 07:34	09/05/25 03:19	1
Acenaphthylene	<0.766		10.6	0.766	ug/L		08/26/25 07:34	09/05/25 03:19	1
Acetophenone	<0.734		10.6	0.734	ug/L		08/26/25 07:34	09/05/25 03:19	1
Anthracene	<0.926		10.6	0.926	ug/L		08/26/25 07:34	09/05/25 03:19	1
Benzo[a]anthracene	<0.904		10.6	0.904	ug/L		08/26/25 07:34	09/05/25 03:19	1
Benzo[a]pyrene	<8.62		10.6	8.62	ug/L		08/26/25 07:34	08/29/25 21:30	1
Benzo[b]fluoranthene	<5.21		10.6	5.21	ug/L		08/26/25 07:34	09/05/25 03:19	1
Benzo[g,h,i]perylene	<6.70		10.6	6.70	ug/L		08/26/25 07:34	09/05/25 03:19	1
Benzo[k]fluoranthene	<2.34		10.6	2.34	ug/L		08/26/25 07:34	09/05/25 03:19	1
Benzyl alcohol	<1.38		10.6	1.38	ug/L		08/26/25 07:34	09/05/25 03:19	1
Bis(2-chloroethoxy)methane	<0.809		10.6	0.809	ug/L		08/26/25 07:34	09/05/25 03:19	1
Bis(2-chloroethyl)ether	<0.872		10.6	0.872	ug/L		08/26/25 07:34	09/05/25 03:19	1
2,2'-oxybis[1-chloropropane]	<0.574		10.6	0.574	ug/L		08/26/25 07:34	09/05/25 03:19	1
Bis(2-ethylhexyl) phthalate	<5.85		10.6	5.85	ug/L		08/26/25 07:34	09/05/25 03:19	1
Butyl benzyl phthalate	<5.74		10.6	5.74	ug/L		08/26/25 07:34	09/05/25 03:19	1
Chlorobenzilate	<3.83		10.6	3.83	ug/L		08/26/25 07:34	09/05/25 03:19	1
Chrysene	<0.926		10.6	0.926	ug/L		08/26/25 07:34	09/05/25 03:19	1
Diallate	<4.26	*+	10.6	4.26	ug/L		08/26/25 07:34	09/05/25 03:19	1
Dibenzo(a,h)anthracene	<4.15		10.6	4.15	ug/L		08/26/25 07:34	08/29/25 21:30	1
Dibenzofuran	<0.787		10.6	0.787	ug/L		08/26/25 07:34	09/05/25 03:19	1
Diethyl phthalate	<1.81		10.6	1.81	ug/L		08/26/25 07:34	09/05/25 03:19	1
Dimethoate	<3.83		10.6	3.83	ug/L		08/26/25 07:34	09/05/25 03:19	1
Dimethyl phthalate	<1.06		10.6	1.06	ug/L		08/26/25 07:34	09/05/25 03:19	1
Di-n-butyl phthalate	<5.96		10.6	5.96	ug/L		08/26/25 07:34	09/05/25 03:19	1
Di-n-octyl phthalate	<7.45		21.3	7.45	ug/L		08/26/25 07:34	09/05/25 03:19	1
Dinoseb	<2.55		10.6	2.55	ug/L		08/26/25 07:34	09/05/25 03:19	1
Diphenylamine	<6.38		10.6	6.38	ug/L		08/26/25 07:34	09/05/25 03:19	1
Disulfoton	<2.55		10.6	2.55	ug/L		08/26/25 07:34	09/05/25 03:19	1
Ethyl methanesulfonate	<3.83		10.6	3.83	ug/L		08/26/25 07:34	09/05/25 03:19	1
Ethyl Parathion	<2.34		10.6	2.34	ug/L		08/26/25 07:34	09/05/25 03:19	1
Famphur	<4.04	*+	10.6	4.04	ug/L		08/26/25 07:34	09/05/25 03:19	1
Fluoranthene	<1.81		10.6	1.81	ug/L		08/26/25 07:34	09/05/25 03:19	1
Fluorene	<0.840		10.6	0.840	ug/L		08/26/25 07:34	09/05/25 03:19	1
Hexachlorobenzene	<0.745		10.6	0.745	ug/L		08/26/25 07:34	09/05/25 03:19	1
Hexachlorobutadiene	<0.915		10.6	0.915	ug/L		08/26/25 07:34	09/05/25 03:19	1
Hexachlorocyclopentadiene	<5.43		10.6	5.43	ug/L		08/26/25 07:34	09/05/25 03:19	1
Hexachloroethane	<1.03		10.6	1.03	ug/L		08/26/25 07:34	09/05/25 03:19	1
Hexachloropropene	<2.77		10.6	2.77	ug/L		08/26/25 07:34	09/05/25 03:19	1
Indeno[1,2,3-cd]pyrene	<4.47		10.6	4.47	ug/L		08/26/25 07:34	08/29/25 21:30	1

Client Sample ID: MW--17_25_08
Date Collected: 08/19/25 10:35
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<5.00		10.6	5.00	ug/L		08/26/25 07:34	09/05/25 03:19	1
Isophorone	<0.989		10.6	0.989	ug/L		08/26/25 07:34	09/05/25 03:19	1
Isosafrole	<2.45		10.6	2.45	ug/L		08/26/25 07:34	09/05/25 03:19	1
Kepone	<1.06	*+ *1	10.6	1.06	ug/L		08/26/25 07:34	09/05/25 03:19	1
Methapyrilene	<0.809		10.6	0.809	ug/L		08/26/25 07:34	09/05/25 03:19	1
Methyl methanesulfonate	<3.51		10.6	3.51	ug/L		08/26/25 07:34	09/05/25 03:19	1
Methyl parathion	<2.45		10.6	2.45	ug/L		08/26/25 07:34	09/05/25 03:19	1
Nitrobenzene	<0.851		10.6	0.851	ug/L		08/26/25 07:34	09/05/25 03:19	1
N-Nitrosodiethylamine	<3.62		10.6	3.62	ug/L		08/26/25 07:34	09/05/25 03:19	1
N-Nitrosodimethylamine	<0.766		10.6	0.766	ug/L		08/26/25 07:34	09/05/25 03:19	1
N-Nitrosodi-n-butylamine	<4.15		10.6	4.15	ug/L		08/26/25 07:34	09/05/25 03:19	1
N-Nitrosodi-n-propylamine	<0.979		10.6	0.979	ug/L		08/26/25 07:34	09/05/25 03:19	1
N-Nitrosodiphenylamine	<0.798		10.6	0.798	ug/L		08/26/25 07:34	09/05/25 03:19	1
N-Nitrosomethylethylamine	<5.21		10.6	5.21	ug/L		08/26/25 07:34	09/05/25 03:19	1
N-Nitrosopiperidine	<2.87		10.6	2.87	ug/L		08/26/25 07:34	09/05/25 03:19	1
N-Nitrosopyrrolidine	<3.83		10.6	3.83	ug/L		08/26/25 07:34	09/05/25 03:19	1
o,o',o''-Triethylphosphorothioate	<3.40		10.6	3.40	ug/L		08/26/25 07:34	09/05/25 03:19	1
o-Toluidine	<3.09		10.6	3.09	ug/L		08/26/25 07:34	09/05/25 03:19	1
p-Dimethylamino azobenzene	<2.34		10.6	2.34	ug/L		08/26/25 07:34	09/05/25 03:19	1
Pentachlorobenzene	<2.98		10.6	2.98	ug/L		08/26/25 07:34	09/05/25 03:19	1
Pentachloronitrobenzene	<6.17		10.6	6.17	ug/L		08/26/25 07:34	09/05/25 03:19	1
Pentachlorophenol	<10.2		10.6	10.2	ug/L		08/26/25 07:34	09/05/25 03:19	1
Phenacetin	<2.02		10.6	2.02	ug/L		08/26/25 07:34	09/05/25 03:19	1
Phenanthrene	<0.840		10.6	0.840	ug/L		08/26/25 07:34	09/05/25 03:19	1
Phenol	<1.17		10.6	1.17	ug/L		08/26/25 07:34	09/05/25 03:19	1
Phorate	<3.40		10.6	3.40	ug/L		08/26/25 07:34	09/05/25 03:19	1
Pronamide	<2.87		10.6	2.87	ug/L		08/26/25 07:34	09/05/25 03:19	1
Pyrene	<0.840		10.6	0.840	ug/L		08/26/25 07:34	09/05/25 03:19	1
Safrole	<2.98		10.6	2.98	ug/L		08/26/25 07:34	09/05/25 03:19	1
Thionazin	<3.72		10.6	3.72	ug/L		08/26/25 07:34	09/05/25 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*59*		*21 - 110*	*08/26/25 07:34*	*09/05/25 03:19*	*1*
Phenol-d5 (Surr)	*52*		*21 - 110*	*08/26/25 07:34*	*09/05/25 03:19*	*1*
Nitrobenzene-d5 (Surr)	*87*		*39 - 140*	*08/26/25 07:34*	*09/05/25 03:19*	*1*
2-Fluorobiphenyl (Surr)	*89*		*33 - 126*	*08/26/25 07:34*	*09/05/25 03:19*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*20 - 144*	*08/26/25 07:34*	*09/05/25 03:19*	*1*
Terphenyl-d14 (Surr)	*102*		*13 - 150*	*08/26/25 07:34*	*09/05/25 03:19*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/22/25 11:50	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/22/25 11:50	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0231		0.0926	0.0231	ug/L		08/25/25 13:33	09/02/25 15:31	1
4,4'-DDE	<0.0278		0.0926	0.0278	ug/L		08/25/25 13:33	09/02/25 15:31	1
4,4'-DDT	<0.0185		0.0926	0.0185	ug/L		08/25/25 13:33	09/02/25 15:31	1
Aldrin	<0.0204		0.0926	0.0204	ug/L		08/25/25 13:33	09/02/25 15:31	1

Client Sample ID: MW--17_25_08
Date Collected: 08/19/25 10:35
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-2
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00926		0.0926	0.00926	ug/L		08/25/25 13:33	09/02/25 15:31	1
beta-BHC	<0.0389		0.0926	0.0389	ug/L		08/25/25 13:33	09/02/25 15:31	1
Chlordane (technical)	<0.361		1.85	0.361	ug/L		08/25/25 13:33	09/02/25 15:31	1
delta-BHC	<0.0296		0.0926	0.0296	ug/L		08/25/25 13:33	09/02/25 15:31	1
Dieldrin	<0.0194		0.0926	0.0194	ug/L		08/25/25 13:33	09/02/25 15:31	1
Endosulfan I	<0.0259		0.0926	0.0259	ug/L		08/25/25 13:33	09/02/25 15:31	1
Endosulfan II	<0.0241		0.0926	0.0241	ug/L		08/25/25 13:33	09/02/25 15:31	1
Endosulfan sulfate	<0.0167		0.0926	0.0167	ug/L		08/25/25 13:33	09/02/25 15:31	1
Endrin	<0.0259		0.0926	0.0259	ug/L		08/25/25 13:33	09/02/25 15:31	1
Endrin aldehyde	<0.0250		0.0926	0.0250	ug/L		08/25/25 13:33	09/02/25 15:31	1
gamma-BHC (Lindane)	<0.00926		0.0926	0.00926	ug/L		08/25/25 13:33	09/02/25 15:31	1
Heptachlor	<0.0213		0.0926	0.0213	ug/L		08/25/25 13:33	09/02/25 15:31	1
Heptachlor epoxide	<0.0296		0.0926	0.0296	ug/L		08/25/25 13:33	09/02/25 15:31	1
Methoxychlor	<0.0296		0.0926	0.0296	ug/L		08/25/25 13:33	09/02/25 15:31	1
Toxaphene	<0.926		1.85	0.926	ug/L		08/25/25 13:33	09/02/25 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*69*		*10 - 150*	*08/25/25 13:33*	*09/02/25 15:31*	*1*
Tetrachloro-m-xylene	*89*		*17 - 150*	*08/25/25 13:33*	*09/02/25 15:31*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.759		1.85	0.759	ug/L		08/25/25 13:33	09/02/25 15:31	1
PCB-1221	<0.759		1.85	0.759	ug/L		08/25/25 13:33	09/02/25 15:31	1
PCB-1232	<0.759		1.85	0.759	ug/L		08/25/25 13:33	09/02/25 15:31	1
PCB-1242	<0.759		1.85	0.759	ug/L		08/25/25 13:33	09/02/25 15:31	1
PCB-1248	<0.639		1.85	0.639	ug/L		08/25/25 13:33	09/02/25 15:31	1
PCB-1254	<0.639		1.85	0.639	ug/L		08/25/25 13:33	09/02/25 15:31	1
PCB-1260	<0.639		1.85	0.639	ug/L		08/25/25 13:33	09/02/25 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*10 - 150*	*08/25/25 13:33*	*09/02/25 15:31*	*1*
Tetrachloro-m-xylene	*91*		*17 - 150*	*08/25/25 13:33*	*09/02/25 15:31*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.136		1.08	0.136	ug/L		08/25/25 07:17	08/25/25 20:31	1
Silvex (2,4,5-TP)	<0.114	*+	1.08	0.114	ug/L		08/25/25 07:17	08/25/25 20:31	1
2,4,5-T	<0.152		1.08	0.152	ug/L		08/25/25 07:17	08/25/25 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*87*		*25 - 130*	*08/25/25 07:17*	*08/25/25 20:31*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 12:32	1
Arsenic	**0.0410**		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 12:32	1
Barium	**0.0668**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 12:32	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 12:32	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 12:32	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 12:32	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW--17_25_08
Date Collected: 08/19/25 10:35
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-2
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00795**		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 12:32	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 12:32	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 12:32	1
Nickel	**0.0143**		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 12:32	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 12:32	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 12:32	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 12:32	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/22/25 09:00	08/27/25 12:32	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 12:32	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 12:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/27/25 12:30	08/28/25 09:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/21/25 11:14	08/22/25 19:27	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/24/25 18:08	08/25/25 02:09	1
Total Suspended Solids (USGS I-3765-85)	**57.7**		5.00	3.50	mg/L			08/22/25 11:28	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-18_25_08
Date Collected: 08/19/25 09:45
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 14:31	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 14:31	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 14:31	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 14:31	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 14:31	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 14:31	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/21/25 14:31	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 14:31	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/21/25 14:31	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 14:31	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 14:31	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 14:31	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 14:31	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 14:31	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/21/25 14:31	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/21/25 14:31	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 14:31	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/21/25 14:31	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 14:31	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 14:31	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 14:31	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 14:31	1
Acrolein	<3.60		10.0	3.60	ug/L			08/21/25 14:31	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 14:31	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/21/25 14:31	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 14:31	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 14:31	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 14:31	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 14:31	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 14:31	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 14:31	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 14:31	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 14:31	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 14:31	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 14:31	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 14:31	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 14:31	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/21/25 14:31	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 14:31	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 14:31	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 14:31	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/21/25 14:31	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/21/25 14:31	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 14:31	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 14:31	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/21/25 14:31	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/21/25 14:31	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/21/25 14:31	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/21/25 14:31	1

Client Sample ID: MW-18_25_08
Date Collected: 08/19/25 09:45
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/21/25 14:31	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/21/25 14:31	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/21/25 14:31	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 14:31	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 14:31	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 14:31	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 14:31	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 14:31	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 14:31	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 14:31	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 14:31	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 14:31	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 14:31	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*76 - 130*		*08/21/25 14:31*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/21/25 14:31*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/21/25 14:31*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.563		10.4	0.563	ug/L		08/26/25 07:34	09/05/25 03:45	1
1,3,5-Trinitrobenzene	<2.40		10.4	2.40	ug/L		08/26/25 07:34	09/05/25 03:45	1
1,3-Dinitrobenzene	<3.33		10.4	3.33	ug/L		08/26/25 07:34	09/05/25 03:45	1
1,4-Naphthoquinone	<3.75		10.4	3.75	ug/L		08/26/25 07:34	09/05/25 03:45	1
1,4-phenylenediamine	<1.98	*- *1	10.4	1.98	ug/L		08/26/25 07:34	09/05/25 03:45	1
1-Naphthylamine	<2.60		10.4	2.60	ug/L		08/26/25 07:34	09/05/25 03:45	1
2,3,4,6-Tetrachlorophenol	<5.52		10.4	5.52	ug/L		08/26/25 07:34	09/05/25 03:45	1
2,4,5-Trichlorophenol	<5.52		10.4	5.52	ug/L		08/26/25 07:34	09/05/25 03:45	1
2,4,6-Trichlorophenol	<5.21		10.4	5.21	ug/L		08/26/25 07:34	09/05/25 03:45	1
2,4-Dichlorophenol	<0.885		10.4	0.885	ug/L		08/26/25 07:34	09/05/25 03:45	1
2,4-Dimethylphenol	<0.604		10.4	0.604	ug/L		08/26/25 07:34	09/05/25 03:45	1
2,4-Dinitrophenol	<13.5		20.8	13.5	ug/L		08/26/25 07:34	09/05/25 03:45	1
2,4-Dinitrotoluene	<6.67		10.4	6.67	ug/L		08/26/25 07:34	09/05/25 03:45	1
2,6-Dichlorophenol	<0.719		10.4	0.719	ug/L		08/26/25 07:34	09/05/25 03:45	1
2,6-Dinitrotoluene	<0.542		10.4	0.542	ug/L		08/26/25 07:34	09/05/25 03:45	1
2-Acetylaminofluorene	<2.81		10.4	2.81	ug/L		08/26/25 07:34	09/05/25 03:45	1
2-Chloronaphthalene	<0.667		10.4	0.667	ug/L		08/26/25 07:34	09/05/25 03:45	1
2-Chlorophenol	<0.563		10.4	0.563	ug/L		08/26/25 07:34	09/05/25 03:45	1
2-Methylnaphthalene	<0.615		10.4	0.615	ug/L		08/26/25 07:34	09/05/25 03:45	1
2-Methylphenol	<0.677		10.4	0.677	ug/L		08/26/25 07:34	09/05/25 03:45	1
2-Naphthylamine	<2.19		10.4	2.19	ug/L		08/26/25 07:34	09/05/25 03:45	1
2-Nitroaniline	<6.15		10.4	6.15	ug/L		08/26/25 07:34	09/05/25 03:45	1
2-Nitrophenol	<7.08		10.4	7.08	ug/L		08/26/25 07:34	09/05/25 03:45	1
3,3'-Dichlorobenzidine	<1.46		10.4	1.46	ug/L		08/26/25 07:34	09/05/25 03:45	1
3,3'-Dimethylbenzidine	<1.56		10.4	1.56	ug/L		08/26/25 07:34	09/05/25 03:45	1
3-Methylcholanthrene	<0.333		10.4	0.333	ug/L		08/26/25 07:34	09/05/25 03:45	1
3-Nitroaniline	<2.81		10.4	2.81	ug/L		08/26/25 07:34	09/05/25 03:45	1
4,6-Dinitro-2-methylphenol	<7.19		10.4	7.19	ug/L		08/26/25 07:34	09/05/25 03:45	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-18_25_08
Date Collected: 08/19/25 09:45
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.29		10.4	2.29	ug/L		08/26/25 07:34	09/05/25 03:45	1
4-Bromophenyl phenyl ether	<0.729		10.4	0.729	ug/L		08/26/25 07:34	09/05/25 03:45	1
4-Chloro-3-methylphenol	<0.875		10.4	0.875	ug/L		08/26/25 07:34	09/05/25 03:45	1
4-Chloroaniline	<0.646		10.4	0.646	ug/L		08/26/25 07:34	09/05/25 03:45	1
4-Chlorophenyl phenyl ether	<0.719		10.4	0.719	ug/L		08/26/25 07:34	09/05/25 03:45	1
Methylphenol, 3 & 4	<0.729		10.4	0.729	ug/L		08/26/25 07:34	09/05/25 03:45	1
4-Nitroaniline	<1.35		10.4	1.35	ug/L		08/26/25 07:34	09/05/25 03:45	1
4-Nitrophenol	<7.92		10.4	7.92	ug/L		08/26/25 07:34	09/05/25 03:45	1
5-Nitro-o-toluidine	<2.92		10.4	2.92	ug/L		08/26/25 07:34	09/05/25 03:45	1
7,12-Dimethylbenz(a)anthracene	<1.98		10.4	1.98	ug/L		08/26/25 07:34	09/05/25 03:45	1
Acenaphthene	<0.667		10.4	0.667	ug/L		08/26/25 07:34	09/05/25 03:45	1
Acenaphthylene	<0.750		10.4	0.750	ug/L		08/26/25 07:34	09/05/25 03:45	1
Acetophenone	<0.719		10.4	0.719	ug/L		08/26/25 07:34	09/05/25 03:45	1
Anthracene	<0.906		10.4	0.906	ug/L		08/26/25 07:34	09/05/25 03:45	1
Benzo[a]anthracene	<0.885		10.4	0.885	ug/L		08/26/25 07:34	09/05/25 03:45	1
Benzo[a]pyrene	<8.44		10.4	8.44	ug/L		08/26/25 07:34	08/29/25 21:56	1
Benzo[b]fluoranthene	<5.10		10.4	5.10	ug/L		08/26/25 07:34	09/05/25 03:45	1
Benzo[g,h,i]perylene	<6.56		10.4	6.56	ug/L		08/26/25 07:34	09/05/25 03:45	1
Benzo[k]fluoranthene	<2.29		10.4	2.29	ug/L		08/26/25 07:34	09/05/25 03:45	1
Benzyl alcohol	<1.35		10.4	1.35	ug/L		08/26/25 07:34	09/05/25 03:45	1
Bis(2-chloroethoxy)methane	<0.792		10.4	0.792	ug/L		08/26/25 07:34	09/05/25 03:45	1
Bis(2-chloroethyl)ether	<0.854		10.4	0.854	ug/L		08/26/25 07:34	09/05/25 03:45	1
2,2'-oxybis[1-chloropropane]	<0.563		10.4	0.563	ug/L		08/26/25 07:34	09/05/25 03:45	1
Bis(2-ethylhexyl) phthalate	<5.73		10.4	5.73	ug/L		08/26/25 07:34	09/05/25 03:45	1
Butyl benzyl phthalate	<5.63		10.4	5.63	ug/L		08/26/25 07:34	09/05/25 03:45	1
Chlorobenzilate	<3.75		10.4	3.75	ug/L		08/26/25 07:34	09/05/25 03:45	1
Chrysene	<0.906		10.4	0.906	ug/L		08/26/25 07:34	09/05/25 03:45	1
Diallate	<4.17	*+	10.4	4.17	ug/L		08/26/25 07:34	09/05/25 03:45	1
Dibenzo(a,h)anthracene	<4.06		10.4	4.06	ug/L		08/26/25 07:34	08/29/25 21:56	1
Dibenzofuran	<0.771		10.4	0.771	ug/L		08/26/25 07:34	09/05/25 03:45	1
Diethyl phthalate	<1.77		10.4	1.77	ug/L		08/26/25 07:34	09/05/25 03:45	1
Dimethoate	<3.75		10.4	3.75	ug/L		08/26/25 07:34	09/05/25 03:45	1
Dimethyl phthalate	<1.04		10.4	1.04	ug/L		08/26/25 07:34	09/05/25 03:45	1
Di-n-butyl phthalate	<5.83		10.4	5.83	ug/L		08/26/25 07:34	09/05/25 03:45	1
Di-n-octyl phthalate	<7.29		20.8	7.29	ug/L		08/26/25 07:34	09/05/25 03:45	1
Dinoseb	<2.50		10.4	2.50	ug/L		08/26/25 07:34	09/05/25 03:45	1
Diphenylamine	<6.25		10.4	6.25	ug/L		08/26/25 07:34	09/05/25 03:45	1
Disulfoton	<2.50		10.4	2.50	ug/L		08/26/25 07:34	09/05/25 03:45	1
Ethyl methanesulfonate	<3.75		10.4	3.75	ug/L		08/26/25 07:34	09/05/25 03:45	1
Ethyl Parathion	<2.29		10.4	2.29	ug/L		08/26/25 07:34	09/05/25 03:45	1
Famphur	<3.96	*+	10.4	3.96	ug/L		08/26/25 07:34	09/05/25 03:45	1
Fluoranthene	<1.77		10.4	1.77	ug/L		08/26/25 07:34	09/05/25 03:45	1
Fluorene	<0.823		10.4	0.823	ug/L		08/26/25 07:34	09/05/25 03:45	1
Hexachlorobenzene	<0.729		10.4	0.729	ug/L		08/26/25 07:34	09/05/25 03:45	1
Hexachlorobutadiene	<0.896		10.4	0.896	ug/L		08/26/25 07:34	09/05/25 03:45	1
Hexachlorocyclopentadiene	<5.31		10.4	5.31	ug/L		08/26/25 07:34	09/05/25 03:45	1
Hexachloroethane	<1.01		10.4	1.01	ug/L		08/26/25 07:34	09/05/25 03:45	1
Hexachloropropene	<2.71		10.4	2.71	ug/L		08/26/25 07:34	09/05/25 03:45	1
Indeno[1,2,3-cd]pyrene	<4.38		10.4	4.38	ug/L		08/26/25 07:34	08/29/25 21:56	1

Client Sample ID: MW-18_25_08
Date Collected: 08/19/25 09:45
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.90		10.4	4.90	ug/L		08/26/25 07:34	09/05/25 03:45	1
Isophorone	<0.969		10.4	0.969	ug/L		08/26/25 07:34	09/05/25 03:45	1
Isosafrole	<2.40		10.4	2.40	ug/L		08/26/25 07:34	09/05/25 03:45	1
Kepone	<1.04	*+ *1	10.4	1.04	ug/L		08/26/25 07:34	09/05/25 03:45	1
Methapyrilene	<0.792		10.4	0.792	ug/L		08/26/25 07:34	09/05/25 03:45	1
Methyl methanesulfonate	<3.44		10.4	3.44	ug/L		08/26/25 07:34	09/05/25 03:45	1
Methyl parathion	<2.40		10.4	2.40	ug/L		08/26/25 07:34	09/05/25 03:45	1
Nitrobenzene	<0.833		10.4	0.833	ug/L		08/26/25 07:34	09/05/25 03:45	1
N-Nitrosodiethylamine	<3.54		10.4	3.54	ug/L		08/26/25 07:34	09/05/25 03:45	1
N-Nitrosodimethylamine	<0.750		10.4	0.750	ug/L		08/26/25 07:34	09/05/25 03:45	1
N-Nitrosodi-n-butylamine	<4.06		10.4	4.06	ug/L		08/26/25 07:34	09/05/25 03:45	1
N-Nitrosodi-n-propylamine	<0.958		10.4	0.958	ug/L		08/26/25 07:34	09/05/25 03:45	1
N-Nitrosodiphenylamine	<0.781		10.4	0.781	ug/L		08/26/25 07:34	09/05/25 03:45	1
N-Nitrosomethylethylamine	<5.10		10.4	5.10	ug/L		08/26/25 07:34	09/05/25 03:45	1
N-Nitrosopiperidine	<2.81		10.4	2.81	ug/L		08/26/25 07:34	09/05/25 03:45	1
N-Nitrosopyrrolidine	<3.75		10.4	3.75	ug/L		08/26/25 07:34	09/05/25 03:45	1
o,o',o''-Triethylphosphorothioate	<3.33		10.4	3.33	ug/L		08/26/25 07:34	09/05/25 03:45	1
o-Toluidine	<3.02		10.4	3.02	ug/L		08/26/25 07:34	09/05/25 03:45	1
p-Dimethylamino azobenzene	<2.29		10.4	2.29	ug/L		08/26/25 07:34	09/05/25 03:45	1
Pentachlorobenzene	<2.92		10.4	2.92	ug/L		08/26/25 07:34	09/05/25 03:45	1
Pentachloronitrobenzene	<6.04		10.4	6.04	ug/L		08/26/25 07:34	09/05/25 03:45	1
Pentachlorophenol	<10.0		10.4	10.0	ug/L		08/26/25 07:34	09/05/25 03:45	1
Phenacetin	<1.98		10.4	1.98	ug/L		08/26/25 07:34	09/05/25 03:45	1
Phenanthrene	<0.823		10.4	0.823	ug/L		08/26/25 07:34	09/05/25 03:45	1
Phenol	<1.15		10.4	1.15	ug/L		08/26/25 07:34	09/05/25 03:45	1
Phorate	<3.33		10.4	3.33	ug/L		08/26/25 07:34	09/05/25 03:45	1
Pronamide	<2.81		10.4	2.81	ug/L		08/26/25 07:34	09/05/25 03:45	1
Pyrene	<0.823		10.4	0.823	ug/L		08/26/25 07:34	09/05/25 03:45	1
Safrole	<2.92		10.4	2.92	ug/L		08/26/25 07:34	09/05/25 03:45	1
Thionazin	<3.65		10.4	3.65	ug/L		08/26/25 07:34	09/05/25 03:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*61*		*21 - 110*	*08/26/25 07:34*	*09/05/25 03:45*	*1*
Phenol-d5 (Surr)	*50*		*21 - 110*	*08/26/25 07:34*	*09/05/25 03:45*	*1*
Nitrobenzene-d5 (Surr)	*82*		*39 - 140*	*08/26/25 07:34*	*09/05/25 03:45*	*1*
2-Fluorobiphenyl (Surr)	*80*		*33 - 126*	*08/26/25 07:34*	*09/05/25 03:45*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*20 - 144*	*08/26/25 07:34*	*09/05/25 03:45*	*1*
Terphenyl-d14 (Surr)	*94*		*13 - 150*	*08/26/25 07:34*	*09/05/25 03:45*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/22/25 12:11	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/22/25 12:11	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0235		0.0941	0.0235	ug/L		08/25/25 13:33	09/02/25 15:44	1
4,4'-DDE	<0.0282		0.0941	0.0282	ug/L		08/25/25 13:33	09/02/25 15:44	1
4,4'-DDT	<0.0188		0.0941	0.0188	ug/L		08/25/25 13:33	09/02/25 15:44	1
Aldrin	<0.0207		0.0941	0.0207	ug/L		08/25/25 13:33	09/02/25 15:44	1

Client Sample ID: MW-18_25_08
Date Collected: 08/19/25 09:45
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Lab Sample ID: 310-313751-3
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00941		0.0941	0.00941	ug/L		08/25/25 13:33	09/02/25 15:44	1
beta-BHC	<0.0395		0.0941	0.0395	ug/L		08/25/25 13:33	09/02/25 15:44	1
Chlordane (technical)	<0.367		1.88	0.367	ug/L		08/25/25 13:33	09/02/25 15:44	1
delta-BHC	<0.0301		0.0941	0.0301	ug/L		08/25/25 13:33	09/02/25 15:44	1
Dieldrin	<0.0198		0.0941	0.0198	ug/L		08/25/25 13:33	09/02/25 15:44	1
Endosulfan I	<0.0263		0.0941	0.0263	ug/L		08/25/25 13:33	09/02/25 15:44	1
Endosulfan II	<0.0245		0.0941	0.0245	ug/L		08/25/25 13:33	09/02/25 15:44	1
Endosulfan sulfate	<0.0169		0.0941	0.0169	ug/L		08/25/25 13:33	09/02/25 15:44	1
Endrin	<0.0263		0.0941	0.0263	ug/L		08/25/25 13:33	09/02/25 15:44	1
Endrin aldehyde	<0.0254		0.0941	0.0254	ug/L		08/25/25 13:33	09/02/25 15:44	1
gamma-BHC (Lindane)	<0.00941		0.0941	0.00941	ug/L		08/25/25 13:33	09/02/25 15:44	1
Heptachlor	<0.0216		0.0941	0.0216	ug/L		08/25/25 13:33	09/02/25 15:44	1
Heptachlor epoxide	<0.0301		0.0941	0.0301	ug/L		08/25/25 13:33	09/02/25 15:44	1
Methoxychlor	**0.732**		0.0941	0.0301	ug/L		08/25/25 13:33	09/02/25 15:44	1
Toxaphene	<0.941		1.88	0.941	ug/L		08/25/25 13:33	09/02/25 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*64*		*10 - 150*	*08/25/25 13:33*	*09/02/25 15:44*	*1*
Tetrachloro-m-xylene	*82*		*17 - 150*	*08/25/25 13:33*	*09/02/25 15:44*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.772		1.88	0.772	ug/L		08/25/25 13:33	09/02/25 15:44	1
PCB-1221	<0.772		1.88	0.772	ug/L		08/25/25 13:33	09/02/25 15:44	1
PCB-1232	<0.772		1.88	0.772	ug/L		08/25/25 13:33	09/02/25 15:44	1
PCB-1242	<0.772		1.88	0.772	ug/L		08/25/25 13:33	09/02/25 15:44	1
PCB-1248	<0.649		1.88	0.649	ug/L		08/25/25 13:33	09/02/25 15:44	1
PCB-1254	<0.649		1.88	0.649	ug/L		08/25/25 13:33	09/02/25 15:44	1
PCB-1260	<0.649		1.88	0.649	ug/L		08/25/25 13:33	09/02/25 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*65*		*10 - 150*	*08/25/25 13:33*	*09/02/25 15:44*	*1*
Tetrachloro-m-xylene	*84*		*17 - 150*	*08/25/25 13:33*	*09/02/25 15:44*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.135		1.07	0.135	ug/L		08/25/25 07:17	08/25/25 20:49	1
Silvex (2,4,5-TP)	<0.113	*+	1.07	0.113	ug/L		08/25/25 07:17	08/25/25 20:49	1
2,4,5-T	<0.150		1.07	0.150	ug/L		08/25/25 07:17	08/25/25 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*102*		*25 - 130*	*08/25/25 07:17*	*08/25/25 20:49*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 12:35	1
Arsenic	**0.00679**		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 12:35	1
Barium	**0.0199**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 12:35	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 12:35	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 12:35	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 12:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-18_25_08
Date Collected: 08/19/25 09:45
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-3
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 12:35	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 12:35	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 12:35	1
Nickel	**0.00789**		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 12:35	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 12:35	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 12:35	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 12:35	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/22/25 09:00	08/27/25 12:35	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 12:35	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 12:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/27/25 12:30	08/28/25 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/21/25 11:14	08/22/25 19:28	1
Sulfide (SW846 9034)	**0.319**	**J**	1.00	0.231	mg/L		08/25/25 18:05	08/26/25 04:30	1
Total Suspended Solids (USGS I-3765-85)	**3.00**		3.00	2.10	mg/L			08/22/25 11:28	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-19_25_08
Date Collected: 08/19/25 10:45
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 14:54	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 14:54	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 14:54	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 14:54	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 14:54	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 14:54	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/21/25 14:54	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 14:54	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/21/25 14:54	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 14:54	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 14:54	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 14:54	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 14:54	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 14:54	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/21/25 14:54	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/21/25 14:54	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 14:54	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/21/25 14:54	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 14:54	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 14:54	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 14:54	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 14:54	1
Acrolein	<3.60		10.0	3.60	ug/L			08/21/25 14:54	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 14:54	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/21/25 14:54	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 14:54	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 14:54	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 14:54	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 14:54	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 14:54	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 14:54	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 14:54	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 14:54	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 14:54	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 14:54	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 14:54	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 14:54	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/21/25 14:54	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 14:54	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 14:54	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 14:54	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/21/25 14:54	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/21/25 14:54	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 14:54	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 14:54	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/21/25 14:54	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/21/25 14:54	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/21/25 14:54	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/21/25 14:54	1

Client Sample ID: MW-19_25_08
Date Collected: 08/19/25 10:45
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/21/25 14:54	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/21/25 14:54	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/21/25 14:54	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 14:54	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 14:54	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 14:54	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 14:54	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 14:54	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 14:54	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 14:54	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 14:54	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 14:54	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 14:54	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*76 - 130*		*08/21/25 14:54*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/21/25 14:54*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/21/25 14:54*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.551		10.2	0.551	ug/L		08/26/25 07:34	09/05/25 04:11	1
1,3,5-Trinitrobenzene	<2.35		10.2	2.35	ug/L		08/26/25 07:34	09/05/25 04:11	1
1,3-Dinitrobenzene	<3.27		10.2	3.27	ug/L		08/26/25 07:34	09/05/25 04:11	1
1,4-Naphthoquinone	<3.67		10.2	3.67	ug/L		08/26/25 07:34	09/05/25 04:11	1
1,4-phenylenediamine	<1.94	*- *1	10.2	1.94	ug/L		08/26/25 07:34	09/05/25 04:11	1
1-Naphthylamine	<2.55		10.2	2.55	ug/L		08/26/25 07:34	09/05/25 04:11	1
2,3,4,6-Tetrachlorophenol	<5.41		10.2	5.41	ug/L		08/26/25 07:34	09/05/25 04:11	1
2,4,5-Trichlorophenol	<5.41		10.2	5.41	ug/L		08/26/25 07:34	09/05/25 04:11	1
2,4,6-Trichlorophenol	<5.10		10.2	5.10	ug/L		08/26/25 07:34	09/05/25 04:11	1
2,4-Dichlorophenol	<0.867		10.2	0.867	ug/L		08/26/25 07:34	09/05/25 04:11	1
2,4-Dimethylphenol	<0.592		10.2	0.592	ug/L		08/26/25 07:34	09/05/25 04:11	1
2,4-Dinitrophenol	<13.3		20.4	13.3	ug/L		08/26/25 07:34	09/05/25 04:11	1
2,4-Dinitrotoluene	<6.53		10.2	6.53	ug/L		08/26/25 07:34	09/05/25 04:11	1
2,6-Dichlorophenol	<0.704		10.2	0.704	ug/L		08/26/25 07:34	09/05/25 04:11	1
2,6-Dinitrotoluene	<0.531		10.2	0.531	ug/L		08/26/25 07:34	09/05/25 04:11	1
2-Acetylaminofluorene	<2.76		10.2	2.76	ug/L		08/26/25 07:34	09/05/25 04:11	1
2-Chloronaphthalene	<0.653		10.2	0.653	ug/L		08/26/25 07:34	09/05/25 04:11	1
2-Chlorophenol	<0.551		10.2	0.551	ug/L		08/26/25 07:34	09/05/25 04:11	1
2-Methylnaphthalene	<0.602		10.2	0.602	ug/L		08/26/25 07:34	09/05/25 04:11	1
2-Methylphenol	<0.663		10.2	0.663	ug/L		08/26/25 07:34	09/05/25 04:11	1
2-Naphthylamine	<2.14		10.2	2.14	ug/L		08/26/25 07:34	09/05/25 04:11	1
2-Nitroaniline	<6.02		10.2	6.02	ug/L		08/26/25 07:34	09/05/25 04:11	1
2-Nitrophenol	<6.94		10.2	6.94	ug/L		08/26/25 07:34	09/05/25 04:11	1
3,3'-Dichlorobenzidine	<1.43		10.2	1.43	ug/L		08/26/25 07:34	09/05/25 04:11	1
3,3'-Dimethylbenzidine	<1.53		10.2	1.53	ug/L		08/26/25 07:34	09/05/25 04:11	1
3-Methylcholanthrene	<0.327		10.2	0.327	ug/L		08/26/25 07:34	09/05/25 04:11	1
3-Nitroaniline	<2.76		10.2	2.76	ug/L		08/26/25 07:34	09/05/25 04:11	1
4,6-Dinitro-2-methylphenol	<7.04		10.2	7.04	ug/L		08/26/25 07:34	09/05/25 04:11	1

Client Sample ID: MW-19_25_08
Date Collected: 08/19/25 10:45
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.24		10.2	2.24	ug/L		08/26/25 07:34	09/05/25 04:11	1
4-Bromophenyl phenyl ether	<0.714		10.2	0.714	ug/L		08/26/25 07:34	09/05/25 04:11	1
4-Chloro-3-methylphenol	<0.857		10.2	0.857	ug/L		08/26/25 07:34	09/05/25 04:11	1
4-Chloroaniline	<0.633		10.2	0.633	ug/L		08/26/25 07:34	09/05/25 04:11	1
4-Chlorophenyl phenyl ether	<0.704		10.2	0.704	ug/L		08/26/25 07:34	09/05/25 04:11	1
Methylphenol, 3 & 4	<0.714		10.2	0.714	ug/L		08/26/25 07:34	09/05/25 04:11	1
4-Nitroaniline	<1.33		10.2	1.33	ug/L		08/26/25 07:34	09/05/25 04:11	1
4-Nitrophenol	<7.76		10.2	7.76	ug/L		08/26/25 07:34	09/05/25 04:11	1
5-Nitro-o-toluidine	<2.86		10.2	2.86	ug/L		08/26/25 07:34	09/05/25 04:11	1
7,12-Dimethylbenz(a)anthracene	<1.94		10.2	1.94	ug/L		08/26/25 07:34	09/05/25 04:11	1
Acenaphthene	<0.653		10.2	0.653	ug/L		08/26/25 07:34	09/05/25 04:11	1
Acenaphthylene	<0.735		10.2	0.735	ug/L		08/26/25 07:34	09/05/25 04:11	1
Acetophenone	<0.704		10.2	0.704	ug/L		08/26/25 07:34	09/05/25 04:11	1
Anthracene	<0.888		10.2	0.888	ug/L		08/26/25 07:34	09/05/25 04:11	1
Benzo[a]anthracene	<0.867		10.2	0.867	ug/L		08/26/25 07:34	09/05/25 04:11	1
Benzo[a]pyrene	<8.27		10.2	8.27	ug/L		08/26/25 07:34	08/29/25 22:22	1
Benzo[b]fluoranthene	<5.00		10.2	5.00	ug/L		08/26/25 07:34	09/05/25 04:11	1
Benzo[g,h,i]perylene	<6.43		10.2	6.43	ug/L		08/26/25 07:34	09/05/25 04:11	1
Benzo[k]fluoranthene	<2.24		10.2	2.24	ug/L		08/26/25 07:34	09/05/25 04:11	1
Benzyl alcohol	<1.33		10.2	1.33	ug/L		08/26/25 07:34	09/05/25 04:11	1
Bis(2-chloroethoxy)methane	<0.776		10.2	0.776	ug/L		08/26/25 07:34	09/05/25 04:11	1
Bis(2-chloroethyl)ether	<0.837		10.2	0.837	ug/L		08/26/25 07:34	09/05/25 04:11	1
2,2'-oxybis[1-chloropropane]	<0.551		10.2	0.551	ug/L		08/26/25 07:34	09/05/25 04:11	1
Bis(2-ethylhexyl) phthalate	<5.61		10.2	5.61	ug/L		08/26/25 07:34	09/05/25 04:11	1
Butyl benzyl phthalate	<5.51		10.2	5.51	ug/L		08/26/25 07:34	09/05/25 04:11	1
Chlorobenzilate	<3.67		10.2	3.67	ug/L		08/26/25 07:34	09/05/25 04:11	1
Chrysene	<0.888		10.2	0.888	ug/L		08/26/25 07:34	09/05/25 04:11	1
Diallate	<4.08	*+	10.2	4.08	ug/L		08/26/25 07:34	09/05/25 04:11	1
Dibenzo(a,h)anthracene	<3.98		10.2	3.98	ug/L		08/26/25 07:34	08/29/25 22:22	1
Dibenzofuran	<0.755		10.2	0.755	ug/L		08/26/25 07:34	09/05/25 04:11	1
Diethyl phthalate	<1.73		10.2	1.73	ug/L		08/26/25 07:34	09/05/25 04:11	1
Dimethoate	<3.67		10.2	3.67	ug/L		08/26/25 07:34	09/05/25 04:11	1
Dimethyl phthalate	<1.02		10.2	1.02	ug/L		08/26/25 07:34	09/05/25 04:11	1
Di-n-butyl phthalate	<5.71		10.2	5.71	ug/L		08/26/25 07:34	09/05/25 04:11	1
Di-n-octyl phthalate	<7.14		20.4	7.14	ug/L		08/26/25 07:34	09/05/25 04:11	1
Dinoseb	<2.45		10.2	2.45	ug/L		08/26/25 07:34	09/05/25 04:11	1
Diphenylamine	<6.12		10.2	6.12	ug/L		08/26/25 07:34	09/05/25 04:11	1
Disulfoton	<2.45		10.2	2.45	ug/L		08/26/25 07:34	09/05/25 04:11	1
Ethyl methanesulfonate	<3.67		10.2	3.67	ug/L		08/26/25 07:34	09/05/25 04:11	1
Ethyl Parathion	<2.24		10.2	2.24	ug/L		08/26/25 07:34	09/05/25 04:11	1
Famphur	<3.88	*+	10.2	3.88	ug/L		08/26/25 07:34	09/05/25 04:11	1
Fluoranthene	<1.73		10.2	1.73	ug/L		08/26/25 07:34	09/05/25 04:11	1
Fluorene	<0.806		10.2	0.806	ug/L		08/26/25 07:34	09/05/25 04:11	1
Hexachlorobenzene	<0.714		10.2	0.714	ug/L		08/26/25 07:34	09/05/25 04:11	1
Hexachlorobutadiene	<0.878		10.2	0.878	ug/L		08/26/25 07:34	09/05/25 04:11	1
Hexachlorocyclopentadiene	<5.20		10.2	5.20	ug/L		08/26/25 07:34	09/05/25 04:11	1
Hexachloroethane	<0.990		10.2	0.990	ug/L		08/26/25 07:34	09/05/25 04:11	1
Hexachloropropene	<2.65		10.2	2.65	ug/L		08/26/25 07:34	09/05/25 04:11	1
Indeno[1,2,3-cd]pyrene	<4.29		10.2	4.29	ug/L		08/26/25 07:34	08/29/25 22:22	1

Client Sample ID: MW-19_25_08
Date Collected: 08/19/25 10:45
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.80		10.2	4.80	ug/L		08/26/25 07:34	09/05/25 04:11	1
Isophorone	<0.949		10.2	0.949	ug/L		08/26/25 07:34	09/05/25 04:11	1
Isosafrole	<2.35		10.2	2.35	ug/L		08/26/25 07:34	09/05/25 04:11	1
Kepone	<1.02	*+ *1	10.2	1.02	ug/L		08/26/25 07:34	09/05/25 04:11	1
Methapyrilene	<0.776		10.2	0.776	ug/L		08/26/25 07:34	09/05/25 04:11	1
Methyl methanesulfonate	<3.37		10.2	3.37	ug/L		08/26/25 07:34	09/05/25 04:11	1
Methyl parathion	<2.35		10.2	2.35	ug/L		08/26/25 07:34	09/05/25 04:11	1
Nitrobenzene	<0.816		10.2	0.816	ug/L		08/26/25 07:34	09/05/25 04:11	1
N-Nitrosodiethylamine	<3.47		10.2	3.47	ug/L		08/26/25 07:34	09/05/25 04:11	1
N-Nitrosodimethylamine	<0.735		10.2	0.735	ug/L		08/26/25 07:34	09/05/25 04:11	1
N-Nitrosodi-n-butylamine	<3.98		10.2	3.98	ug/L		08/26/25 07:34	09/05/25 04:11	1
N-Nitrosodi-n-propylamine	<0.939		10.2	0.939	ug/L		08/26/25 07:34	09/05/25 04:11	1
N-Nitrosodiphenylamine	<0.765		10.2	0.765	ug/L		08/26/25 07:34	09/05/25 04:11	1
N-Nitrosomethylethylamine	<5.00		10.2	5.00	ug/L		08/26/25 07:34	09/05/25 04:11	1
N-Nitrosopiperidine	<2.76		10.2	2.76	ug/L		08/26/25 07:34	09/05/25 04:11	1
N-Nitrosopyrrolidine	<3.67		10.2	3.67	ug/L		08/26/25 07:34	09/05/25 04:11	1
o,o',o''-Triethylphosphorothioate	<3.27		10.2	3.27	ug/L		08/26/25 07:34	09/05/25 04:11	1
o-Toluidine	<2.96		10.2	2.96	ug/L		08/26/25 07:34	09/05/25 04:11	1
p-Dimethylamino azobenzene	<2.24		10.2	2.24	ug/L		08/26/25 07:34	09/05/25 04:11	1
Pentachlorobenzene	<2.86		10.2	2.86	ug/L		08/26/25 07:34	09/05/25 04:11	1
Pentachloronitrobenzene	<5.92		10.2	5.92	ug/L		08/26/25 07:34	09/05/25 04:11	1
Pentachlorophenol	<9.80		10.2	9.80	ug/L		08/26/25 07:34	09/05/25 04:11	1
Phenacetin	<1.94		10.2	1.94	ug/L		08/26/25 07:34	09/05/25 04:11	1
Phenanthrene	<0.806		10.2	0.806	ug/L		08/26/25 07:34	09/05/25 04:11	1
Phenol	<1.12		10.2	1.12	ug/L		08/26/25 07:34	09/05/25 04:11	1
Phorate	<3.27		10.2	3.27	ug/L		08/26/25 07:34	09/05/25 04:11	1
Pronamide	<2.76		10.2	2.76	ug/L		08/26/25 07:34	09/05/25 04:11	1
Pyrene	<0.806		10.2	0.806	ug/L		08/26/25 07:34	09/05/25 04:11	1
Safrole	<2.86		10.2	2.86	ug/L		08/26/25 07:34	09/05/25 04:11	1
Thionazin	<3.57		10.2	3.57	ug/L		08/26/25 07:34	09/05/25 04:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*65*		*21 - 110*	*08/26/25 07:34*	*09/05/25 04:11*	*1*
Phenol-d5 (Surr)	*53*		*21 - 110*	*08/26/25 07:34*	*09/05/25 04:11*	*1*
Nitrobenzene-d5 (Surr)	*88*		*39 - 140*	*08/26/25 07:34*	*09/05/25 04:11*	*1*
2-Fluorobiphenyl (Surr)	*88*		*33 - 126*	*08/26/25 07:34*	*09/05/25 04:11*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*20 - 144*	*08/26/25 07:34*	*09/05/25 04:11*	*1*
Terphenyl-d14 (Surr)	*105*		*13 - 150*	*08/26/25 07:34*	*09/05/25 04:11*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/22/25 12:31	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/22/25 12:31	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0242		0.0970	0.0242	ug/L		08/25/25 13:33	09/02/25 15:56	1
4,4'-DDE	<0.0291		0.0970	0.0291	ug/L		08/25/25 13:33	09/02/25 15:56	1
4,4'-DDT	<0.0194		0.0970	0.0194	ug/L		08/25/25 13:33	09/02/25 15:56	1
Aldrin	<0.0213		0.0970	0.0213	ug/L		08/25/25 13:33	09/02/25 15:56	1

Client Sample ID: MW-19_25_08

Lab Sample ID: 310-313751-4

Date Collected: 08/19/25 10:45

Matrix: Water

Date Received: 08/20/25 16:15

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00970		0.0970	0.00970	ug/L		08/25/25 13:33	09/02/25 15:56	1
beta-BHC	<0.0407		0.0970	0.0407	ug/L		08/25/25 13:33	09/02/25 15:56	1
Chlordane (technical)	<0.378		1.94	0.378	ug/L		08/25/25 13:33	09/02/25 15:56	1
delta-BHC	<0.0310		0.0970	0.0310	ug/L		08/25/25 13:33	09/02/25 15:56	1
Dieldrin	<0.0204		0.0970	0.0204	ug/L		08/25/25 13:33	09/02/25 15:56	1
Endosulfan I	<0.0271		0.0970	0.0271	ug/L		08/25/25 13:33	09/02/25 15:56	1
Endosulfan II	<0.0252		0.0970	0.0252	ug/L		08/25/25 13:33	09/02/25 15:56	1
Endosulfan sulfate	<0.0175		0.0970	0.0175	ug/L		08/25/25 13:33	09/02/25 15:56	1
Endrin	<0.0271		0.0970	0.0271	ug/L		08/25/25 13:33	09/02/25 15:56	1
Endrin aldehyde	<0.0262		0.0970	0.0262	ug/L		08/25/25 13:33	09/02/25 15:56	1
gamma-BHC (Lindane)	<0.00970		0.0970	0.00970	ug/L		08/25/25 13:33	09/02/25 15:56	1
Heptachlor	<0.0223		0.0970	0.0223	ug/L		08/25/25 13:33	09/02/25 15:56	1
Heptachlor epoxide	<0.0310		0.0970	0.0310	ug/L		08/25/25 13:33	09/02/25 15:56	1
Methoxychlor	<0.0310		0.0970	0.0310	ug/L		08/25/25 13:33	09/02/25 15:56	1
Toxaphene	<0.970		1.94	0.970	ug/L		08/25/25 13:33	09/02/25 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*10 - 150*	*08/25/25 13:33*	*09/02/25 15:56*	*1*
Tetrachloro-m-xylene	*78*		*17 - 150*	*08/25/25 13:33*	*09/02/25 15:56*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.795		1.94	0.795	ug/L		08/25/25 13:33	09/02/25 15:56	1
PCB-1221	<0.795		1.94	0.795	ug/L		08/25/25 13:33	09/02/25 15:56	1
PCB-1232	<0.795		1.94	0.795	ug/L		08/25/25 13:33	09/02/25 15:56	1
PCB-1242	<0.795		1.94	0.795	ug/L		08/25/25 13:33	09/02/25 15:56	1
PCB-1248	<0.669		1.94	0.669	ug/L		08/25/25 13:33	09/02/25 15:56	1
PCB-1254	<0.669		1.94	0.669	ug/L		08/25/25 13:33	09/02/25 15:56	1
PCB-1260	<0.669		1.94	0.669	ug/L		08/25/25 13:33	09/02/25 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*69*		*10 - 150*	*08/25/25 13:33*	*09/02/25 15:56*	*1*
Tetrachloro-m-xylene	*80*		*17 - 150*	*08/25/25 13:33*	*09/02/25 15:56*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.123		0.974	0.123	ug/L		08/25/25 07:17	08/25/25 21:07	1
Silvex (2,4,5-TP)	<0.102	*+	0.974	0.102	ug/L		08/25/25 07:17	08/25/25 21:07	1
2,4,5-T	<0.136		0.974	0.136	ug/L		08/25/25 07:17	08/25/25 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*98*		*25 - 130*	*08/25/25 07:17*	*08/25/25 21:07*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 12:38	1
Arsenic	**0.000853**	**J**	0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 12:38	1
Barium	**0.0331**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 12:38	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 12:38	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 12:38	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 12:38	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-19_25_08
Date Collected: 08/19/25 10:45
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-4
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 12:38	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 12:38	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 12:38	1
Nickel	**0.0160**		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 12:38	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 12:38	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 12:38	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 12:38	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/22/25 09:00	08/27/25 12:38	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 12:38	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 12:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/27/25 12:30	08/28/25 09:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/21/25 11:14	08/22/25 19:30	1
Sulfide (SW846 9034)	**0.239**	**J**	1.00	0.231	mg/L		08/25/25 18:08	08/26/25 04:39	1
Total Suspended Solids (USGS I-3765-85)	**1.38**	**J**	1.88	1.31	mg/L			08/21/25 12:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-20_25_08
Date Collected: 08/19/25 14:05
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 15:17	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 15:17	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 15:17	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 15:17	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 15:17	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 15:17	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/21/25 15:17	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 15:17	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/21/25 15:17	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 15:17	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 15:17	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 15:17	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 15:17	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 15:17	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/21/25 15:17	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/21/25 15:17	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 15:17	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/21/25 15:17	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 15:17	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 15:17	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 15:17	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 15:17	1
Acrolein	<3.60		10.0	3.60	ug/L			08/21/25 15:17	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 15:17	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/21/25 15:17	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 15:17	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 15:17	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 15:17	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 15:17	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 15:17	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 15:17	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 15:17	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 15:17	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 15:17	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 15:17	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 15:17	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 15:17	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/21/25 15:17	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 15:17	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 15:17	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 15:17	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/21/25 15:17	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/21/25 15:17	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 15:17	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 15:17	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/21/25 15:17	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/21/25 15:17	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/21/25 15:17	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/21/25 15:17	1

Client Sample ID: MW-20_25_08
Date Collected: 08/19/25 14:05
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/21/25 15:17	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/21/25 15:17	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/21/25 15:17	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 15:17	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 15:17	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 15:17	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 15:17	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 15:17	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 15:17	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 15:17	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 15:17	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 15:17	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 15:17	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*76 - 130*		*08/21/25 15:17*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/21/25 15:17*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/21/25 15:17*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.563		10.4	0.563	ug/L		08/26/25 07:34	09/05/25 04:38	1
1,3,5-Trinitrobenzene	<2.40		10.4	2.40	ug/L		08/26/25 07:34	09/05/25 04:38	1
1,3-Dinitrobenzene	<3.33		10.4	3.33	ug/L		08/26/25 07:34	09/05/25 04:38	1
1,4-Naphthoquinone	<3.75		10.4	3.75	ug/L		08/26/25 07:34	09/05/25 04:38	1
1,4-phenylenediamine	<1.98	*- *1	10.4	1.98	ug/L		08/26/25 07:34	09/05/25 04:38	1
1-Naphthylamine	<2.60		10.4	2.60	ug/L		08/26/25 07:34	09/05/25 04:38	1
2,3,4,6-Tetrachlorophenol	<5.52		10.4	5.52	ug/L		08/26/25 07:34	09/05/25 04:38	1
2,4,5-Trichlorophenol	<5.52		10.4	5.52	ug/L		08/26/25 07:34	09/05/25 04:38	1
2,4,6-Trichlorophenol	<5.21		10.4	5.21	ug/L		08/26/25 07:34	09/05/25 04:38	1
2,4-Dichlorophenol	<0.885		10.4	0.885	ug/L		08/26/25 07:34	09/05/25 04:38	1
2,4-Dimethylphenol	<0.604		10.4	0.604	ug/L		08/26/25 07:34	09/05/25 04:38	1
2,4-Dinitrophenol	<13.5		20.8	13.5	ug/L		08/26/25 07:34	09/05/25 04:38	1
2,4-Dinitrotoluene	<6.67		10.4	6.67	ug/L		08/26/25 07:34	09/05/25 04:38	1
2,6-Dichlorophenol	<0.719		10.4	0.719	ug/L		08/26/25 07:34	09/05/25 04:38	1
2,6-Dinitrotoluene	<0.542		10.4	0.542	ug/L		08/26/25 07:34	09/05/25 04:38	1
2-Acetylaminofluorene	<2.81		10.4	2.81	ug/L		08/26/25 07:34	09/05/25 04:38	1
2-Chloronaphthalene	<0.667		10.4	0.667	ug/L		08/26/25 07:34	09/05/25 04:38	1
2-Chlorophenol	<0.563		10.4	0.563	ug/L		08/26/25 07:34	09/05/25 04:38	1
2-Methylnaphthalene	<0.615		10.4	0.615	ug/L		08/26/25 07:34	09/05/25 04:38	1
2-Methylphenol	<0.677		10.4	0.677	ug/L		08/26/25 07:34	09/05/25 04:38	1
2-Naphthylamine	<2.19		10.4	2.19	ug/L		08/26/25 07:34	09/05/25 04:38	1
2-Nitroaniline	<6.15		10.4	6.15	ug/L		08/26/25 07:34	09/05/25 04:38	1
2-Nitrophenol	<7.08		10.4	7.08	ug/L		08/26/25 07:34	09/05/25 04:38	1
3,3'-Dichlorobenzidine	<1.46		10.4	1.46	ug/L		08/26/25 07:34	09/05/25 04:38	1
3,3'-Dimethylbenzidine	<1.56		10.4	1.56	ug/L		08/26/25 07:34	09/05/25 04:38	1
3-Methylcholanthrene	<0.333		10.4	0.333	ug/L		08/26/25 07:34	09/05/25 04:38	1
3-Nitroaniline	<2.81		10.4	2.81	ug/L		08/26/25 07:34	09/05/25 04:38	1
4,6-Dinitro-2-methylphenol	<7.19		10.4	7.19	ug/L		08/26/25 07:34	09/05/25 04:38	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-20_25_08
Date Collected: 08/19/25 14:05
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.29		10.4	2.29	ug/L		08/26/25 07:34	09/05/25 04:38	1
4-Bromophenyl phenyl ether	<0.729		10.4	0.729	ug/L		08/26/25 07:34	09/05/25 04:38	1
4-Chloro-3-methylphenol	<0.875		10.4	0.875	ug/L		08/26/25 07:34	09/05/25 04:38	1
4-Chloroaniline	<0.646		10.4	0.646	ug/L		08/26/25 07:34	09/05/25 04:38	1
4-Chlorophenyl phenyl ether	<0.719		10.4	0.719	ug/L		08/26/25 07:34	09/05/25 04:38	1
Methylphenol, 3 & 4	<0.729		10.4	0.729	ug/L		08/26/25 07:34	09/05/25 04:38	1
4-Nitroaniline	<1.35		10.4	1.35	ug/L		08/26/25 07:34	09/05/25 04:38	1
4-Nitrophenol	<7.92		10.4	7.92	ug/L		08/26/25 07:34	09/05/25 04:38	1
5-Nitro-o-toluidine	<2.92		10.4	2.92	ug/L		08/26/25 07:34	09/05/25 04:38	1
7,12-Dimethylbenz(a)anthracene	<1.98		10.4	1.98	ug/L		08/26/25 07:34	09/05/25 04:38	1
Acenaphthene	<0.667		10.4	0.667	ug/L		08/26/25 07:34	09/05/25 04:38	1
Acenaphthylene	<0.750		10.4	0.750	ug/L		08/26/25 07:34	09/05/25 04:38	1
Acetophenone	<0.719		10.4	0.719	ug/L		08/26/25 07:34	09/05/25 04:38	1
Anthracene	<0.906		10.4	0.906	ug/L		08/26/25 07:34	09/05/25 04:38	1
Benzo[a]anthracene	<0.885		10.4	0.885	ug/L		08/26/25 07:34	09/05/25 04:38	1
Benzo[a]pyrene	<8.44		10.4	8.44	ug/L		08/26/25 07:34	08/29/25 22:48	1
Benzo[b]fluoranthene	<5.10		10.4	5.10	ug/L		08/26/25 07:34	09/05/25 04:38	1
Benzo[g,h,i]perylene	<6.56		10.4	6.56	ug/L		08/26/25 07:34	09/05/25 04:38	1
Benzo[k]fluoranthene	<2.29		10.4	2.29	ug/L		08/26/25 07:34	09/05/25 04:38	1
Benzyl alcohol	<1.35		10.4	1.35	ug/L		08/26/25 07:34	09/05/25 04:38	1
Bis(2-chloroethoxy)methane	<0.792		10.4	0.792	ug/L		08/26/25 07:34	09/05/25 04:38	1
Bis(2-chloroethyl)ether	<0.854		10.4	0.854	ug/L		08/26/25 07:34	09/05/25 04:38	1
2,2'-oxybis[1-chloropropane]	<0.563		10.4	0.563	ug/L		08/26/25 07:34	09/05/25 04:38	1
Bis(2-ethylhexyl) phthalate	<5.73		10.4	5.73	ug/L		08/26/25 07:34	09/05/25 04:38	1
Butyl benzyl phthalate	<5.63		10.4	5.63	ug/L		08/26/25 07:34	09/05/25 04:38	1
Chlorobenzilate	<3.75		10.4	3.75	ug/L		08/26/25 07:34	09/05/25 04:38	1
Chrysene	<0.906		10.4	0.906	ug/L		08/26/25 07:34	09/05/25 04:38	1
Diallate	<4.17	*+	10.4	4.17	ug/L		08/26/25 07:34	09/05/25 04:38	1
Dibenzo(a,h)anthracene	<4.06		10.4	4.06	ug/L		08/26/25 07:34	08/29/25 22:48	1
Dibenzofuran	<0.771		10.4	0.771	ug/L		08/26/25 07:34	09/05/25 04:38	1
Diethyl phthalate	<1.77		10.4	1.77	ug/L		08/26/25 07:34	09/05/25 04:38	1
Dimethoate	<3.75		10.4	3.75	ug/L		08/26/25 07:34	09/05/25 04:38	1
Dimethyl phthalate	<1.04		10.4	1.04	ug/L		08/26/25 07:34	09/05/25 04:38	1
Di-n-butyl phthalate	<5.83		10.4	5.83	ug/L		08/26/25 07:34	09/05/25 04:38	1
Di-n-octyl phthalate	<7.29		20.8	7.29	ug/L		08/26/25 07:34	09/05/25 04:38	1
Dinoseb	<2.50		10.4	2.50	ug/L		08/26/25 07:34	09/05/25 04:38	1
Diphenylamine	<6.25		10.4	6.25	ug/L		08/26/25 07:34	09/05/25 04:38	1
Disulfoton	<2.50		10.4	2.50	ug/L		08/26/25 07:34	09/05/25 04:38	1
Ethyl methanesulfonate	<3.75		10.4	3.75	ug/L		08/26/25 07:34	09/05/25 04:38	1
Ethyl Parathion	<2.29		10.4	2.29	ug/L		08/26/25 07:34	09/05/25 04:38	1
Famphur	<3.96	*+	10.4	3.96	ug/L		08/26/25 07:34	09/05/25 04:38	1
Fluoranthene	<1.77		10.4	1.77	ug/L		08/26/25 07:34	09/05/25 04:38	1
Fluorene	<0.823		10.4	0.823	ug/L		08/26/25 07:34	09/05/25 04:38	1
Hexachlorobenzene	<0.729		10.4	0.729	ug/L		08/26/25 07:34	09/05/25 04:38	1
Hexachlorobutadiene	<0.896		10.4	0.896	ug/L		08/26/25 07:34	09/05/25 04:38	1
Hexachlorocyclopentadiene	<5.31		10.4	5.31	ug/L		08/26/25 07:34	09/05/25 04:38	1
Hexachloroethane	<1.01		10.4	1.01	ug/L		08/26/25 07:34	09/05/25 04:38	1
Hexachloropropene	<2.71		10.4	2.71	ug/L		08/26/25 07:34	09/05/25 04:38	1
Indeno[1,2,3-cd]pyrene	<4.38		10.4	4.38	ug/L		08/26/25 07:34	08/29/25 22:48	1

Client Sample ID: MW-20_25_08
Date Collected: 08/19/25 14:05
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.90		10.4	4.90	ug/L		08/26/25 07:34	09/05/25 04:38	1
Isophorone	<0.969		10.4	0.969	ug/L		08/26/25 07:34	09/05/25 04:38	1
Isosafrole	<2.40		10.4	2.40	ug/L		08/26/25 07:34	09/05/25 04:38	1
Kepone	<1.04	*+ *1	10.4	1.04	ug/L		08/26/25 07:34	09/05/25 04:38	1
Methapyrilene	<0.792		10.4	0.792	ug/L		08/26/25 07:34	09/05/25 04:38	1
Methyl methanesulfonate	<3.44		10.4	3.44	ug/L		08/26/25 07:34	09/05/25 04:38	1
Methyl parathion	<2.40		10.4	2.40	ug/L		08/26/25 07:34	09/05/25 04:38	1
Nitrobenzene	<0.833		10.4	0.833	ug/L		08/26/25 07:34	09/05/25 04:38	1
N-Nitrosodiethylamine	<3.54		10.4	3.54	ug/L		08/26/25 07:34	09/05/25 04:38	1
N-Nitrosodimethylamine	<0.750		10.4	0.750	ug/L		08/26/25 07:34	09/05/25 04:38	1
N-Nitrosodi-n-butylamine	<4.06		10.4	4.06	ug/L		08/26/25 07:34	09/05/25 04:38	1
N-Nitrosodi-n-propylamine	<0.958		10.4	0.958	ug/L		08/26/25 07:34	09/05/25 04:38	1
N-Nitrosodiphenylamine	<0.781		10.4	0.781	ug/L		08/26/25 07:34	09/05/25 04:38	1
N-Nitrosomethylethylamine	<5.10		10.4	5.10	ug/L		08/26/25 07:34	09/05/25 04:38	1
N-Nitrosopiperidine	<2.81		10.4	2.81	ug/L		08/26/25 07:34	09/05/25 04:38	1
N-Nitrosopyrrolidine	<3.75		10.4	3.75	ug/L		08/26/25 07:34	09/05/25 04:38	1
o,o',o''-Triethylphosphorothioate	<3.33		10.4	3.33	ug/L		08/26/25 07:34	09/05/25 04:38	1
o-Toluidine	<3.02		10.4	3.02	ug/L		08/26/25 07:34	09/05/25 04:38	1
p-Dimethylamino azobenzene	<2.29		10.4	2.29	ug/L		08/26/25 07:34	09/05/25 04:38	1
Pentachlorobenzene	<2.92		10.4	2.92	ug/L		08/26/25 07:34	09/05/25 04:38	1
Pentachloronitrobenzene	<6.04		10.4	6.04	ug/L		08/26/25 07:34	09/05/25 04:38	1
Pentachlorophenol	<10.0		10.4	10.0	ug/L		08/26/25 07:34	09/05/25 04:38	1
Phenacetin	<1.98		10.4	1.98	ug/L		08/26/25 07:34	09/05/25 04:38	1
Phenanthrene	<0.823		10.4	0.823	ug/L		08/26/25 07:34	09/05/25 04:38	1
Phenol	<1.15		10.4	1.15	ug/L		08/26/25 07:34	09/05/25 04:38	1
Phorate	<3.33		10.4	3.33	ug/L		08/26/25 07:34	09/05/25 04:38	1
Pronamide	<2.81		10.4	2.81	ug/L		08/26/25 07:34	09/05/25 04:38	1
Pyrene	<0.823		10.4	0.823	ug/L		08/26/25 07:34	09/05/25 04:38	1
Safrole	<2.92		10.4	2.92	ug/L		08/26/25 07:34	09/05/25 04:38	1
Thionazin	<3.65		10.4	3.65	ug/L		08/26/25 07:34	09/05/25 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*64*		*21 - 110*	*08/26/25 07:34*	*09/05/25 04:38*	*1*
Phenol-d5 (Surr)	*58*		*21 - 110*	*08/26/25 07:34*	*09/05/25 04:38*	*1*
Nitrobenzene-d5 (Surr)	*92*		*39 - 140*	*08/26/25 07:34*	*09/05/25 04:38*	*1*
2-Fluorobiphenyl (Surr)	*92*		*33 - 126*	*08/26/25 07:34*	*09/05/25 04:38*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*20 - 144*	*08/26/25 07:34*	*09/05/25 04:38*	*1*
Terphenyl-d14 (Surr)	*105*		*13 - 150*	*08/26/25 07:34*	*09/05/25 04:38*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/22/25 12:51	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/22/25 12:51	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0237		0.0949	0.0237	ug/L		08/25/25 13:33	09/02/25 16:09	1
4,4'-DDE	<0.0285		0.0949	0.0285	ug/L		08/25/25 13:33	09/02/25 16:09	1
4,4'-DDT	<0.0190		0.0949	0.0190	ug/L		08/25/25 13:33	09/02/25 16:09	1
Aldrin	<0.0209		0.0949	0.0209	ug/L		08/25/25 13:33	09/02/25 16:09	1

Client Sample ID: MW-20_25_08
Date Collected: 08/19/25 14:05
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-5
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00949		0.0949	0.00949	ug/L		08/25/25 13:33	09/02/25 16:09	1
beta-BHC	<0.0398		0.0949	0.0398	ug/L		08/25/25 13:33	09/02/25 16:09	1
Chlordane (technical)	<0.370		1.90	0.370	ug/L		08/25/25 13:33	09/02/25 16:09	1
delta-BHC	<0.0304		0.0949	0.0304	ug/L		08/25/25 13:33	09/02/25 16:09	1
Dieldrin	<0.0199		0.0949	0.0199	ug/L		08/25/25 13:33	09/02/25 16:09	1
Endosulfan I	<0.0266		0.0949	0.0266	ug/L		08/25/25 13:33	09/02/25 16:09	1
Endosulfan II	<0.0247		0.0949	0.0247	ug/L		08/25/25 13:33	09/02/25 16:09	1
Endosulfan sulfate	<0.0171		0.0949	0.0171	ug/L		08/25/25 13:33	09/02/25 16:09	1
Endrin	<0.0266		0.0949	0.0266	ug/L		08/25/25 13:33	09/02/25 16:09	1
Endrin aldehyde	<0.0256		0.0949	0.0256	ug/L		08/25/25 13:33	09/02/25 16:09	1
gamma-BHC (Lindane)	<0.00949		0.0949	0.00949	ug/L		08/25/25 13:33	09/02/25 16:09	1
Heptachlor	<0.0218		0.0949	0.0218	ug/L		08/25/25 13:33	09/02/25 16:09	1
Heptachlor epoxide	<0.0304		0.0949	0.0304	ug/L		08/25/25 13:33	09/02/25 16:09	1
Methoxychlor	<0.0304		0.0949	0.0304	ug/L		08/25/25 13:33	09/02/25 16:09	1
Toxaphene	<0.949		1.90	0.949	ug/L		08/25/25 13:33	09/02/25 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*10 - 150*	*08/25/25 13:33*	*09/02/25 16:09*	*1*
Tetrachloro-m-xylene	*93*		*17 - 150*	*08/25/25 13:33*	*09/02/25 16:09*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.778		1.90	0.778	ug/L		08/25/25 13:33	09/02/25 16:09	1
PCB-1221	<0.778		1.90	0.778	ug/L		08/25/25 13:33	09/02/25 16:09	1
PCB-1232	<0.778		1.90	0.778	ug/L		08/25/25 13:33	09/02/25 16:09	1
PCB-1242	<0.778		1.90	0.778	ug/L		08/25/25 13:33	09/02/25 16:09	1
PCB-1248	<0.654		1.90	0.654	ug/L		08/25/25 13:33	09/02/25 16:09	1
PCB-1254	<0.654		1.90	0.654	ug/L		08/25/25 13:33	09/02/25 16:09	1
PCB-1260	<0.654		1.90	0.654	ug/L		08/25/25 13:33	09/02/25 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*10 - 150*	*08/25/25 13:33*	*09/02/25 16:09*	*1*
Tetrachloro-m-xylene	*95*		*17 - 150*	*08/25/25 13:33*	*09/02/25 16:09*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.136		1.08	0.136	ug/L		08/25/25 07:17	08/25/25 21:25	1
Silvex (2,4,5-TP)	<0.113	*+	1.08	0.113	ug/L		08/25/25 07:17	08/25/25 21:25	1
2,4,5-T	<0.151		1.08	0.151	ug/L		08/25/25 07:17	08/25/25 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*94*		*25 - 130*	*08/25/25 07:17*	*08/25/25 21:25*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 12:41	1
Arsenic	**0.0123**		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 12:41	1
Barium	**0.117**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 12:41	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 12:41	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 12:41	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 12:41	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-20_25_08

Date Collected: 08/19/25 14:05
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.000835**		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 12:41	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 12:41	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 12:41	1
Nickel	**0.0133**		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 12:41	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 12:41	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 12:41	1
Thallium	**0.000667**	**J**	0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 12:41	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/22/25 09:00	08/27/25 12:41	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 12:41	1
Zinc	**0.0224**		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 12:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/27/25 12:30	08/28/25 10:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/21/25 11:14	08/22/25 19:31	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/25/25 18:10	08/26/25 04:48	1
Total Suspended Solids (USGS I-3765-85)	**5.50**		3.75	2.63	mg/L			08/22/25 09:57	1

Client Sample ID: MW-24_25_08
Date Collected: 08/18/25 11:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 15:39	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 15:39	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 15:39	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 15:39	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 15:39	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 15:39	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/21/25 15:39	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 15:39	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/21/25 15:39	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 15:39	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 15:39	1
1,2-Dichlorobenzene	**4.04**		1.00	0.370	ug/L			08/21/25 15:39	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 15:39	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 15:39	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/21/25 15:39	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/21/25 15:39	1
1,4-Dichlorobenzene	**7.42**		1.00	0.230	ug/L			08/21/25 15:39	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/21/25 15:39	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 15:39	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 15:39	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 15:39	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 15:39	1
Acrolein	<3.60		10.0	3.60	ug/L			08/21/25 15:39	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 15:39	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/21/25 15:39	1
Benzene	**4.26**		0.500	0.220	ug/L			08/21/25 15:39	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 15:39	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 15:39	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 15:39	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 15:39	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 15:39	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 15:39	1
Chlorobenzene	**39.5**		1.00	0.400	ug/L			08/21/25 15:39	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 15:39	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 15:39	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 15:39	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 15:39	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/21/25 15:39	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 15:39	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 15:39	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 15:39	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/21/25 15:39	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/21/25 15:39	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 15:39	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 15:39	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/21/25 15:39	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/21/25 15:39	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/21/25 15:39	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/21/25 15:39	1

Client Sample ID: MW-24_25_08
Date Collected: 08/18/25 11:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/21/25 15:39	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/21/25 15:39	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/21/25 15:39	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 15:39	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 15:39	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 15:39	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 15:39	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 15:39	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 15:39	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 15:39	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 15:39	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 15:39	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 15:39	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*76 - 130*		*08/21/25 15:39*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/21/25 15:39*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/21/25 15:39*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.551	*1	10.2	0.551	ug/L		08/22/25 08:55	08/29/25 02:42	1
1,3,5-Trinitrobenzene	<2.35	*1	10.2	2.35	ug/L		08/22/25 08:55	08/29/25 02:42	1
1,3-Dinitrobenzene	<3.27	*1	10.2	3.27	ug/L		08/22/25 08:55	08/29/25 02:42	1
1,4-Naphthoquinone	<3.67	*1	10.2	3.67	ug/L		08/22/25 08:55	08/29/25 02:42	1
1,4-phenylenediamine	<1.94	*- *1	10.2	1.94	ug/L		08/22/25 08:55	08/29/25 02:42	1
1-Naphthylamine	<2.55		10.2	2.55	ug/L		08/22/25 08:55	08/29/25 02:42	1
2,3,4,6-Tetrachlorophenol	<5.41	*1	10.2	5.41	ug/L		08/22/25 08:55	08/29/25 02:42	1
2,4,5-Trichlorophenol	<5.41	*1	10.2	5.41	ug/L		08/22/25 08:55	08/29/25 02:42	1
2,4,6-Trichlorophenol	<5.10	*1	10.2	5.10	ug/L		08/22/25 08:55	08/29/25 02:42	1
2,4-Dichlorophenol	<0.867	*1	10.2	0.867	ug/L		08/22/25 08:55	08/29/25 02:42	1
2,4-Dimethylphenol	<0.592	*1	10.2	0.592	ug/L		08/22/25 08:55	08/29/25 02:42	1
2,4-Dinitrophenol	<13.3		20.4	13.3	ug/L		08/22/25 08:55	08/29/25 02:42	1
2,4-Dinitrotoluene	<6.53	*1	10.2	6.53	ug/L		08/22/25 08:55	08/29/25 02:42	1
2,6-Dichlorophenol	<0.704	*1	10.2	0.704	ug/L		08/22/25 08:55	08/29/25 02:42	1
2,6-Dinitrotoluene	<0.531	*1	10.2	0.531	ug/L		08/22/25 08:55	08/29/25 02:42	1
2-Acetylaminofluorene	<2.76	*1	10.2	2.76	ug/L		08/22/25 08:55	08/29/25 02:42	1
2-Chloronaphthalene	<0.653	*1	10.2	0.653	ug/L		08/22/25 08:55	08/29/25 02:42	1
2-Chlorophenol	<0.551	*1	10.2	0.551	ug/L		08/22/25 08:55	08/29/25 02:42	1
2-Methylnaphthalene	<0.602	*1	10.2	0.602	ug/L		08/22/25 08:55	08/29/25 02:42	1
2-Methylphenol	<0.663	*1	10.2	0.663	ug/L		08/22/25 08:55	08/29/25 02:42	1
2-Naphthylamine	<2.14		10.2	2.14	ug/L		08/22/25 08:55	08/29/25 02:42	1
2-Nitroaniline	<6.02	*1	10.2	6.02	ug/L		08/22/25 08:55	08/29/25 02:42	1
2-Nitrophenol	<6.94	*1	10.2	6.94	ug/L		08/22/25 08:55	08/29/25 02:42	1
3,3'-Dichlorobenzidine	<1.43		10.2	1.43	ug/L		08/22/25 08:55	08/29/25 02:42	1
3,3'-Dimethylbenzidine	<1.53	*1	10.2	1.53	ug/L		08/22/25 08:55	08/29/25 02:42	1
3-Methylcholanthrene	<0.327		10.2	0.327	ug/L		08/22/25 08:55	08/29/25 02:42	1
3-Nitroaniline	<2.76	*1	10.2	2.76	ug/L		08/22/25 08:55	08/29/25 02:42	1
4,6-Dinitro-2-methylphenol	<7.04		10.2	7.04	ug/L		08/22/25 08:55	08/29/25 02:42	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-24_25_08
Date Collected: 08/18/25 11:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.24		10.2	2.24	ug/L		08/22/25 08:55	08/29/25 02:42	1
4-Bromophenyl phenyl ether	<0.714	*1	10.2	0.714	ug/L		08/22/25 08:55	08/29/25 02:42	1
4-Chloro-3-methylphenol	<0.857	*1	10.2	0.857	ug/L		08/22/25 08:55	08/29/25 02:42	1
4-Chloroaniline	<0.633	*1	10.2	0.633	ug/L		08/22/25 08:55	08/29/25 02:42	1
4-Chlorophenyl phenyl ether	<0.704	*1	10.2	0.704	ug/L		08/22/25 08:55	08/29/25 02:42	1
Methylphenol, 3 & 4	<0.714	*1	10.2	0.714	ug/L		08/22/25 08:55	08/29/25 02:42	1
4-Nitroaniline	<1.33	*1	10.2	1.33	ug/L		08/22/25 08:55	08/29/25 02:42	1
4-Nitrophenol	<7.76		10.2	7.76	ug/L		08/22/25 08:55	08/29/25 02:42	1
5-Nitro-o-toluidine	<2.86	*1	10.2	2.86	ug/L		08/22/25 08:55	08/29/25 02:42	1
7,12-Dimethylbenz(a)anthracene	<1.94	*1	10.2	1.94	ug/L		08/22/25 08:55	08/29/25 02:42	1
Acenaphthene	<0.653	*1	10.2	0.653	ug/L		08/22/25 08:55	08/29/25 02:42	1
Acenaphthylene	<0.735	*1	10.2	0.735	ug/L		08/22/25 08:55	08/29/25 02:42	1
Acetophenone	<0.704	*1	10.2	0.704	ug/L		08/22/25 08:55	08/29/25 02:42	1
Anthracene	<0.888	*1	10.2	0.888	ug/L		08/22/25 08:55	08/29/25 02:42	1
Benzo[a]anthracene	<0.867	*1	10.2	0.867	ug/L		08/22/25 08:55	08/29/25 02:42	1
Benzo[a]pyrene	<8.27	*1	10.2	8.27	ug/L		08/22/25 08:55	08/29/25 02:42	1
Benzo[b]fluoranthene	<5.00	*1	10.2	5.00	ug/L		08/22/25 08:55	08/29/25 02:42	1
Benzo[g,h,i]perylene	<6.43	*1	10.2	6.43	ug/L		08/22/25 08:55	08/29/25 02:42	1
Benzo[k]fluoranthene	<2.24	*1	10.2	2.24	ug/L		08/22/25 08:55	08/29/25 02:42	1
Benzyl alcohol	<1.33	*1	10.2	1.33	ug/L		08/22/25 08:55	08/29/25 02:42	1
Bis(2-chloroethoxy)methane	<0.776	*1	10.2	0.776	ug/L		08/22/25 08:55	08/29/25 02:42	1
Bis(2-chloroethyl)ether	<0.837	*1	10.2	0.837	ug/L		08/22/25 08:55	08/29/25 02:42	1
2,2'-oxybis[1-chloropropane]	<0.551	*1	10.2	0.551	ug/L		08/22/25 08:55	08/29/25 02:42	1
Bis(2-ethylhexyl) phthalate	**10.0**	**J *1**	10.2	5.61	ug/L		08/22/25 08:55	08/29/25 02:42	1
Butyl benzyl phthalate	<5.51	*1	10.2	5.51	ug/L		08/22/25 08:55	08/29/25 02:42	1
Chlorobenzilate	<3.67	*1	10.2	3.67	ug/L		08/22/25 08:55	08/29/25 02:42	1
Chrysene	<0.888	*1	10.2	0.888	ug/L		08/22/25 08:55	08/29/25 02:42	1
Diallate	<4.08	*+ *1	10.2	4.08	ug/L		08/22/25 08:55	08/29/25 02:42	1
Dibenzo(a,h)anthracene	<3.98	*1	10.2	3.98	ug/L		08/22/25 08:55	08/29/25 02:42	1
Dibenzofuran	<0.755	*1	10.2	0.755	ug/L		08/22/25 08:55	08/29/25 02:42	1
Diethyl phthalate	<1.73	*1	10.2	1.73	ug/L		08/22/25 08:55	08/29/25 02:42	1
Dimethoate	<3.67	*+ *1	10.2	3.67	ug/L		08/22/25 08:55	08/29/25 02:42	1
Dimethyl phthalate	<1.02	*1	10.2	1.02	ug/L		08/22/25 08:55	08/29/25 02:42	1
Di-n-butyl phthalate	<5.71	*1	10.2	5.71	ug/L		08/22/25 08:55	08/29/25 02:42	1
Di-n-octyl phthalate	<7.14	*1	20.4	7.14	ug/L		08/22/25 08:55	08/29/25 02:42	1
Dinoseb	<2.45	*1	10.2	2.45	ug/L		08/22/25 08:55	08/29/25 02:42	1
Diphenylamine	<6.12	*1	10.2	6.12	ug/L		08/22/25 08:55	08/29/25 02:42	1
Disulfoton	<2.45	*1	10.2	2.45	ug/L		08/22/25 08:55	08/29/25 02:42	1
Ethyl methanesulfonate	<3.67	*1	10.2	3.67	ug/L		08/22/25 08:55	08/29/25 02:42	1
Ethyl Parathion	<2.24	*1	10.2	2.24	ug/L		08/22/25 08:55	08/29/25 02:42	1
Famphur	<3.88	*+ *1	10.2	3.88	ug/L		08/22/25 08:55	08/29/25 02:42	1
Fluoranthene	<1.73	*1	10.2	1.73	ug/L		08/22/25 08:55	08/29/25 02:42	1
Fluorene	<0.806	*1	10.2	0.806	ug/L		08/22/25 08:55	08/29/25 02:42	1
Hexachlorobenzene	<0.714	*1	10.2	0.714	ug/L		08/22/25 08:55	08/29/25 02:42	1
Hexachlorobutadiene	<0.878	*1	10.2	0.878	ug/L		08/22/25 08:55	08/29/25 02:42	1
Hexachlorocyclopentadiene	<5.20	*1	10.2	5.20	ug/L		08/22/25 08:55	08/29/25 02:42	1
Hexachloroethane	<0.990	*1	10.2	0.990	ug/L		08/22/25 08:55	08/29/25 02:42	1
Hexachloropropene	<2.65	*1	10.2	2.65	ug/L		08/22/25 08:55	08/29/25 02:42	1
Indeno[1,2,3-cd]pyrene	<4.29	*1	10.2	4.29	ug/L		08/22/25 08:55	08/29/25 02:42	1

Client Sample ID: MW-24_25_08
Date Collected: 08/18/25 11:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.80	*1	10.2	4.80	ug/L		08/22/25 08:55	08/29/25 02:42	1
Isophorone	<0.949	*1	10.2	0.949	ug/L		08/22/25 08:55	08/29/25 02:42	1
Isosafrole	<2.35	*1	10.2	2.35	ug/L		08/22/25 08:55	08/29/25 02:42	1
Kepone	<1.02	*-	10.2	1.02	ug/L		08/22/25 08:55	08/29/25 02:42	1
Methapyrilene	<0.776	*1	10.2	0.776	ug/L		08/22/25 08:55	08/29/25 02:42	1
Methyl methanesulfonate	<3.37	*1	10.2	3.37	ug/L		08/22/25 08:55	08/29/25 02:42	1
Methyl parathion	<2.35	*+ *1	10.2	2.35	ug/L		08/22/25 08:55	08/29/25 02:42	1
Nitrobenzene	<0.816	*1	10.2	0.816	ug/L		08/22/25 08:55	08/29/25 02:42	1
N-Nitrosodiethylamine	<3.47	*1	10.2	3.47	ug/L		08/22/25 08:55	08/29/25 02:42	1
N-Nitrosodimethylamine	<0.735	*1	10.2	0.735	ug/L		08/22/25 08:55	08/29/25 02:42	1
N-Nitrosodi-n-butylamine	<3.98	*1	10.2	3.98	ug/L		08/22/25 08:55	08/29/25 02:42	1
N-Nitrosodi-n-propylamine	<0.939	*1	10.2	0.939	ug/L		08/22/25 08:55	08/29/25 02:42	1
N-Nitrosodiphenylamine	<0.765	*1	10.2	0.765	ug/L		08/22/25 08:55	08/29/25 02:42	1
N-Nitrosomethylethylamine	<5.00		10.2	5.00	ug/L		08/22/25 08:55	08/29/25 02:42	1
N-Nitrosopiperidine	<2.76	*1	10.2	2.76	ug/L		08/22/25 08:55	08/29/25 02:42	1
N-Nitrosopyrrolidine	<3.67	*1	10.2	3.67	ug/L		08/22/25 08:55	08/29/25 02:42	1
o,o',o''-Triethylphosphorothioate	<3.27	*+ *1	10.2	3.27	ug/L		08/22/25 08:55	08/29/25 02:42	1
o-Toluidine	<2.96	*1	10.2	2.96	ug/L		08/22/25 08:55	08/29/25 02:42	1
p-Dimethylamino azobenzene	<2.24	*1	10.2	2.24	ug/L		08/22/25 08:55	08/29/25 02:42	1
Pentachlorobenzene	<2.86	*1	10.2	2.86	ug/L		08/22/25 08:55	08/29/25 02:42	1
Pentachloronitrobenzene	<5.92	*1	10.2	5.92	ug/L		08/22/25 08:55	08/29/25 02:42	1
Pentachlorophenol	<9.80		10.2	9.80	ug/L		08/22/25 08:55	08/29/25 02:42	1
Phenacetin	<1.94	*1	10.2	1.94	ug/L		08/22/25 08:55	08/29/25 02:42	1
Phenanthrene	<0.806	*1	10.2	0.806	ug/L		08/22/25 08:55	08/29/25 02:42	1
Phenol	<1.12	*1	10.2	1.12	ug/L		08/22/25 08:55	08/29/25 02:42	1
Phorate	<3.27	*1	10.2	3.27	ug/L		08/22/25 08:55	08/29/25 02:42	1
Pronamide	<2.76	*1	10.2	2.76	ug/L		08/22/25 08:55	08/29/25 02:42	1
Pyrene	<0.806	*1	10.2	0.806	ug/L		08/22/25 08:55	08/29/25 02:42	1
Safrole	<2.86	*1	10.2	2.86	ug/L		08/22/25 08:55	08/29/25 02:42	1
Thionazin	<3.57	*1	10.2	3.57	ug/L		08/22/25 08:55	08/29/25 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*66*		*21 - 110*	*08/22/25 08:55*	*08/29/25 02:42*	*1*
Phenol-d5 (Surr)	*51*		*21 - 110*	*08/22/25 08:55*	*08/29/25 02:42*	*1*
Nitrobenzene-d5 (Surr)	*81*		*39 - 140*	*08/22/25 08:55*	*08/29/25 02:42*	*1*
2-Fluorobiphenyl (Surr)	*86*		*33 - 126*	*08/22/25 08:55*	*08/29/25 02:42*	*1*
2,4,6-Tribromophenol (Surr)	*102*		*20 - 144*	*08/22/25 08:55*	*08/29/25 02:42*	*1*
Terphenyl-d14 (Surr)	*103*		*13 - 150*	*08/22/25 08:55*	*08/29/25 02:42*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/22/25 13:10	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/22/25 13:10	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0238		0.0954	0.0238	ug/L		08/25/25 13:33	09/02/25 16:22	1
4,4'-DDE	<0.0286		0.0954	0.0286	ug/L		08/25/25 13:33	09/02/25 16:22	1
4,4'-DDT	<0.0191		0.0954	0.0191	ug/L		08/25/25 13:33	09/02/25 16:22	1
Aldrin	<0.0210		0.0954	0.0210	ug/L		08/25/25 13:33	09/02/25 16:22	1

Client Sample ID: MW-24_25_08
Date Collected: 08/18/25 11:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-6
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00954		0.0954	0.00954	ug/L		08/25/25 13:33	09/02/25 16:22	1
beta-BHC	<0.0401		0.0954	0.0401	ug/L		08/25/25 13:33	09/02/25 16:22	1
Chlordane (technical)	<0.372		1.91	0.372	ug/L		08/25/25 13:33	09/02/25 16:22	1
delta-BHC	<0.0305		0.0954	0.0305	ug/L		08/25/25 13:33	09/02/25 16:22	1
Dieldrin	<0.0200		0.0954	0.0200	ug/L		08/25/25 13:33	09/02/25 16:22	1
Endosulfan I	<0.0267		0.0954	0.0267	ug/L		08/25/25 13:33	09/02/25 16:22	1
Endosulfan II	<0.0248		0.0954	0.0248	ug/L		08/25/25 13:33	09/02/25 16:22	1
Endosulfan sulfate	<0.0172		0.0954	0.0172	ug/L		08/25/25 13:33	09/02/25 16:22	1
Endrin	<0.0267		0.0954	0.0267	ug/L		08/25/25 13:33	09/02/25 16:22	1
Endrin aldehyde	<0.0257		0.0954	0.0257	ug/L		08/25/25 13:33	09/02/25 16:22	1
gamma-BHC (Lindane)	<0.00954		0.0954	0.00954	ug/L		08/25/25 13:33	09/02/25 16:22	1
Heptachlor	<0.0219		0.0954	0.0219	ug/L		08/25/25 13:33	09/02/25 16:22	1
Heptachlor epoxide	<0.0305		0.0954	0.0305	ug/L		08/25/25 13:33	09/02/25 16:22	1
Methoxychlor	<0.0305		0.0954	0.0305	ug/L		08/25/25 13:33	09/02/25 16:22	1
Toxaphene	<0.954		1.91	0.954	ug/L		08/25/25 13:33	09/02/25 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*10 - 150*	*08/25/25 13:33*	*09/02/25 16:22*	*1*
Tetrachloro-m-xylene	*93*		*17 - 150*	*08/25/25 13:33*	*09/02/25 16:22*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.755		1.84	0.755	ug/L		08/22/25 12:03	08/27/25 10:55	1
PCB-1221	<0.755		1.84	0.755	ug/L		08/22/25 12:03	08/27/25 10:55	1
PCB-1232	<0.755		1.84	0.755	ug/L		08/22/25 12:03	08/27/25 10:55	1
PCB-1242	<0.755		1.84	0.755	ug/L		08/22/25 12:03	08/27/25 10:55	1
PCB-1248	<0.636		1.84	0.636	ug/L		08/22/25 12:03	08/27/25 10:55	1
PCB-1254	<0.636		1.84	0.636	ug/L		08/22/25 12:03	08/27/25 10:55	1
PCB-1260	<0.636		1.84	0.636	ug/L		08/22/25 12:03	08/27/25 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*10 - 150*	*08/22/25 12:03*	*08/27/25 10:55*	*1*
Tetrachloro-m-xylene	*88*		*17 - 150*	*08/22/25 12:03*	*08/27/25 10:55*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.140		1.11	0.140	ug/L		08/25/25 07:17	08/25/25 21:42	1
Silvex (2,4,5-TP)	<0.117	*+	1.11	0.117	ug/L		08/25/25 07:17	08/25/25 21:42	1
2,4,5-T	<0.155		1.11	0.155	ug/L		08/25/25 07:17	08/25/25 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*84*		*25 - 130*	*08/25/25 07:17*	*08/25/25 21:42*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00118**	**J**	0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 12:44	1
Arsenic	**0.105**		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 12:44	1
Barium	**0.809**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 12:44	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 12:44	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 12:44	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 12:44	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-24_25_08
Date Collected: 08/18/25 11:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-6
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00131		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 12:44	1
Copper	0.0109		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 12:44	1
Lead	0.000805		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 12:44	1
Nickel	0.0536		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 12:44	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 12:44	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 12:44	1
Thallium	0.00392		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 12:44	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/22/25 09:00	08/27/25 12:44	1
Vanadium	0.00170	J	0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 12:44	1
Zinc	0.0146	J	0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 12:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/27/25 12:30	08/28/25 10:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/21/25 11:14	08/22/25 19:31	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/24/25 18:10	08/25/25 02:17	1
Total Suspended Solids (USGS I-3765-85)	15.3		3.75	2.63	mg/L			08/21/25 12:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-25_25_08
Date Collected: 08/18/25 11:50
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 16:02	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 16:02	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 16:02	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 16:02	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 16:02	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 16:02	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/21/25 16:02	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 16:02	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/21/25 16:02	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 16:02	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 16:02	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 16:02	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 16:02	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 16:02	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/21/25 16:02	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/21/25 16:02	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 16:02	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/21/25 16:02	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 16:02	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 16:02	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 16:02	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 16:02	1
Acrolein	<3.60		10.0	3.60	ug/L			08/21/25 16:02	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 16:02	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/21/25 16:02	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 16:02	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 16:02	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 16:02	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 16:02	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 16:02	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 16:02	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 16:02	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 16:02	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 16:02	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 16:02	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 16:02	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 16:02	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/21/25 16:02	1
cis-1,2-Dichloroethene	**0.865**	**J**	1.00	0.210	ug/L			08/21/25 16:02	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 16:02	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 16:02	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/21/25 16:02	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/21/25 16:02	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 16:02	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 16:02	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/21/25 16:02	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/21/25 16:02	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/21/25 16:02	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/21/25 16:02	1

Client Sample ID: MW-25_25_08
Date Collected: 08/18/25 11:50
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/21/25 16:02	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/21/25 16:02	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/21/25 16:02	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 16:02	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 16:02	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 16:02	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 16:02	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 16:02	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 16:02	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 16:02	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 16:02	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 16:02	1
Vinyl chloride	**0.482**	**J**	1.00	0.180	ug/L			08/21/25 16:02	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*76 - 130*		*08/21/25 16:02*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/21/25 16:02*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*08/21/25 16:02*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.600	*1	11.1	0.600	ug/L		08/22/25 08:55	09/04/25 23:22	1
1,3,5-Trinitrobenzene	<2.56	*1	11.1	2.56	ug/L		08/22/25 08:55	09/04/25 23:22	1
1,3-Dinitrobenzene	<3.56	*1	11.1	3.56	ug/L		08/22/25 08:55	09/04/25 23:22	1
1,4-Naphthoquinone	<4.00	*1	11.1	4.00	ug/L		08/22/25 08:55	09/04/25 23:22	1
1,4-phenylenediamine	<2.11	*- *1	11.1	2.11	ug/L		08/22/25 08:55	09/04/25 23:22	1
1-Naphthylamine	<2.78		11.1	2.78	ug/L		08/22/25 08:55	09/04/25 23:22	1
2,3,4,6-Tetrachlorophenol	<5.89	*1	11.1	5.89	ug/L		08/22/25 08:55	09/04/25 23:22	1
2,4,5-Trichlorophenol	<5.89	*1	11.1	5.89	ug/L		08/22/25 08:55	09/04/25 23:22	1
2,4,6-Trichlorophenol	<5.56	*1	11.1	5.56	ug/L		08/22/25 08:55	09/04/25 23:22	1
2,4-Dichlorophenol	<0.944	*1	11.1	0.944	ug/L		08/22/25 08:55	09/04/25 23:22	1
2,4-Dimethylphenol	<0.644	*1	11.1	0.644	ug/L		08/22/25 08:55	09/04/25 23:22	1
2,4-Dinitrophenol	<14.4		22.2	14.4	ug/L		08/22/25 08:55	09/04/25 23:22	1
2,4-Dinitrotoluene	<7.11	*1	11.1	7.11	ug/L		08/22/25 08:55	09/04/25 23:22	1
2,6-Dichlorophenol	<0.767	*1	11.1	0.767	ug/L		08/22/25 08:55	09/04/25 23:22	1
2,6-Dinitrotoluene	<0.578	*1	11.1	0.578	ug/L		08/22/25 08:55	09/04/25 23:22	1
2-Acetylaminofluorene	<3.00	*1	11.1	3.00	ug/L		08/22/25 08:55	09/04/25 23:22	1
2-Chloronaphthalene	<0.711	*1	11.1	0.711	ug/L		08/22/25 08:55	09/04/25 23:22	1
2-Chlorophenol	<0.600	*1	11.1	0.600	ug/L		08/22/25 08:55	09/04/25 23:22	1
2-Methylnaphthalene	<0.656	*1	11.1	0.656	ug/L		08/22/25 08:55	09/04/25 23:22	1
2-Methylphenol	<0.722	*1	11.1	0.722	ug/L		08/22/25 08:55	09/04/25 23:22	1
2-Naphthylamine	<2.33		11.1	2.33	ug/L		08/22/25 08:55	09/04/25 23:22	1
2-Nitroaniline	<6.56	*1	11.1	6.56	ug/L		08/22/25 08:55	09/04/25 23:22	1
2-Nitrophenol	<7.56	*1	11.1	7.56	ug/L		08/22/25 08:55	09/04/25 23:22	1
3,3'-Dichlorobenzidine	<1.56		11.1	1.56	ug/L		08/22/25 08:55	09/04/25 23:22	1
3,3'-Dimethylbenzidine	<1.67	*1	11.1	1.67	ug/L		08/22/25 08:55	09/04/25 23:22	1
3-Methylcholanthrene	<0.356		11.1	0.356	ug/L		08/22/25 08:55	09/04/25 23:22	1
3-Nitroaniline	<3.00	*1	11.1	3.00	ug/L		08/22/25 08:55	09/04/25 23:22	1
4,6-Dinitro-2-methylphenol	<7.67		11.1	7.67	ug/L		08/22/25 08:55	09/04/25 23:22	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-25_25_08
Date Collected: 08/18/25 11:50
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-7
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.44		11.1	2.44	ug/L		08/22/25 08:55	09/04/25 23:22	1
4-Bromophenyl phenyl ether	<0.778	*1	11.1	0.778	ug/L		08/22/25 08:55	09/04/25 23:22	1
4-Chloro-3-methylphenol	<0.933	*1	11.1	0.933	ug/L		08/22/25 08:55	09/04/25 23:22	1
4-Chloroaniline	<0.689	*1	11.1	0.689	ug/L		08/22/25 08:55	09/04/25 23:22	1
4-Chlorophenyl phenyl ether	<0.767	*1	11.1	0.767	ug/L		08/22/25 08:55	09/04/25 23:22	1
Methylphenol, 3 & 4	<0.778	*1	11.1	0.778	ug/L		08/22/25 08:55	09/04/25 23:22	1
4-Nitroaniline	<1.44	*1	11.1	1.44	ug/L		08/22/25 08:55	09/04/25 23:22	1
4-Nitrophenol	<8.44		11.1	8.44	ug/L		08/22/25 08:55	09/04/25 23:22	1
5-Nitro-o-toluidine	<3.11	*1	11.1	3.11	ug/L		08/22/25 08:55	09/04/25 23:22	1
7,12-Dimethylbenz(a)anthracene	<2.11	*1	11.1	2.11	ug/L		08/22/25 08:55	09/04/25 23:22	1
Acenaphthene	<0.711	*1	11.1	0.711	ug/L		08/22/25 08:55	09/04/25 23:22	1
Acenaphthylene	<0.800	*1	11.1	0.800	ug/L		08/22/25 08:55	09/04/25 23:22	1
Acetophenone	<0.767	*1	11.1	0.767	ug/L		08/22/25 08:55	09/04/25 23:22	1
Anthracene	<0.967	*1	11.1	0.967	ug/L		08/22/25 08:55	09/04/25 23:22	1
Benzo[a]anthracene	<0.944	*1	11.1	0.944	ug/L		08/22/25 08:55	09/04/25 23:22	1
Benzo[a]pyrene	<9.00	*1	11.1	9.00	ug/L		08/22/25 08:55	08/29/25 17:33	1
Benzo[b]fluoranthene	<5.44	*1	11.1	5.44	ug/L		08/22/25 08:55	09/04/25 23:22	1
Benzo[g,h,i]perylene	<7.00	*1	11.1	7.00	ug/L		08/22/25 08:55	09/04/25 23:22	1
Benzo[k]fluoranthene	<2.44	*1	11.1	2.44	ug/L		08/22/25 08:55	09/04/25 23:22	1
Benzyl alcohol	<1.44	*1	11.1	1.44	ug/L		08/22/25 08:55	09/04/25 23:22	1
Bis(2-chloroethoxy)methane	<0.844	*1	11.1	0.844	ug/L		08/22/25 08:55	09/04/25 23:22	1
Bis(2-chloroethyl)ether	<0.911	*1	11.1	0.911	ug/L		08/22/25 08:55	09/04/25 23:22	1
2,2'-oxybis[1-chloropropane]	<0.600	*1	11.1	0.600	ug/L		08/22/25 08:55	09/04/25 23:22	1
Bis(2-ethylhexyl) phthalate	<6.11	*1	11.1	6.11	ug/L		08/22/25 08:55	09/04/25 23:22	1
Butyl benzyl phthalate	<6.00	*1	11.1	6.00	ug/L		08/22/25 08:55	09/04/25 23:22	1
Chlorobenzilate	<4.00	*1	11.1	4.00	ug/L		08/22/25 08:55	09/04/25 23:22	1
Chrysene	<0.967	*1	11.1	0.967	ug/L		08/22/25 08:55	09/04/25 23:22	1
Diallate	<4.44	*+ *1	11.1	4.44	ug/L		08/22/25 08:55	09/04/25 23:22	1
Dibenzo(a,h)anthracene	<4.33	*1	11.1	4.33	ug/L		08/22/25 08:55	08/29/25 17:33	1
Dibenzofuran	<0.822	*1	11.1	0.822	ug/L		08/22/25 08:55	09/04/25 23:22	1
Diethyl phthalate	<1.89	*1	11.1	1.89	ug/L		08/22/25 08:55	09/04/25 23:22	1
Dimethoate	<4.00	*+ *1	11.1	4.00	ug/L		08/22/25 08:55	09/04/25 23:22	1
Dimethyl phthalate	<1.11	*1	11.1	1.11	ug/L		08/22/25 08:55	09/04/25 23:22	1
Di-n-butyl phthalate	<6.22	*1	11.1	6.22	ug/L		08/22/25 08:55	09/04/25 23:22	1
Di-n-octyl phthalate	<7.78	*1	22.2	7.78	ug/L		08/22/25 08:55	09/04/25 23:22	1
Dinoseb	<2.67	*1	11.1	2.67	ug/L		08/22/25 08:55	09/04/25 23:22	1
Diphenylamine	<6.67	*1	11.1	6.67	ug/L		08/22/25 08:55	09/04/25 23:22	1
Disulfoton	<2.67	*1	11.1	2.67	ug/L		08/22/25 08:55	09/04/25 23:22	1
Ethyl methanesulfonate	<4.00	*1	11.1	4.00	ug/L		08/22/25 08:55	09/04/25 23:22	1
Ethyl Parathion	<2.44	*1	11.1	2.44	ug/L		08/22/25 08:55	09/04/25 23:22	1
Famphur	<4.22	*+ *1	11.1	4.22	ug/L		08/22/25 08:55	09/04/25 23:22	1
Fluoranthene	<1.89	*1	11.1	1.89	ug/L		08/22/25 08:55	09/04/25 23:22	1
Fluorene	<0.878	*1	11.1	0.878	ug/L		08/22/25 08:55	09/04/25 23:22	1
Hexachlorobenzene	<0.778	*1	11.1	0.778	ug/L		08/22/25 08:55	09/04/25 23:22	1
Hexachlorobutadiene	<0.956	*1	11.1	0.956	ug/L		08/22/25 08:55	09/04/25 23:22	1
Hexachlorocyclopentadiene	<5.67	*1	11.1	5.67	ug/L		08/22/25 08:55	09/04/25 23:22	1
Hexachloroethane	<1.08	*1	11.1	1.08	ug/L		08/22/25 08:55	09/04/25 23:22	1
Hexachloropropene	<2.89	*1	11.1	2.89	ug/L		08/22/25 08:55	09/04/25 23:22	1
Indeno[1,2,3-cd]pyrene	<4.67	*1	11.1	4.67	ug/L		08/22/25 08:55	08/29/25 17:33	1

Client Sample ID: MW-25_25_08
Date Collected: 08/18/25 11:50
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-7
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<5.22	*1	11.1	5.22	ug/L		08/22/25 08:55	09/04/25 23:22	1
Isophorone	<1.03	*1	11.1	1.03	ug/L		08/22/25 08:55	09/04/25 23:22	1
Isosafrole	<2.56	*1	11.1	2.56	ug/L		08/22/25 08:55	09/04/25 23:22	1
Kepone	<1.11	*-	11.1	1.11	ug/L		08/22/25 08:55	09/04/25 23:22	1
Methapyrilene	<0.844	*1	11.1	0.844	ug/L		08/22/25 08:55	09/04/25 23:22	1
Methyl methanesulfonate	<3.67	*1	11.1	3.67	ug/L		08/22/25 08:55	09/04/25 23:22	1
Methyl parathion	<2.56	*+ *1	11.1	2.56	ug/L		08/22/25 08:55	09/04/25 23:22	1
Nitrobenzene	<0.889	*1	11.1	0.889	ug/L		08/22/25 08:55	09/04/25 23:22	1
N-Nitrosodiethylamine	<3.78	*1	11.1	3.78	ug/L		08/22/25 08:55	09/04/25 23:22	1
N-Nitrosodimethylamine	<0.800	*1	11.1	0.800	ug/L		08/22/25 08:55	09/04/25 23:22	1
N-Nitrosodi-n-butylamine	<4.33	*1	11.1	4.33	ug/L		08/22/25 08:55	09/04/25 23:22	1
N-Nitrosodi-n-propylamine	<1.02	*1	11.1	1.02	ug/L		08/22/25 08:55	09/04/25 23:22	1
N-Nitrosodiphenylamine	<0.833	*1	11.1	0.833	ug/L		08/22/25 08:55	09/04/25 23:22	1
N-Nitrosomethylethylamine	<5.44		11.1	5.44	ug/L		08/22/25 08:55	09/04/25 23:22	1
N-Nitrosopiperidine	<3.00	*1	11.1	3.00	ug/L		08/22/25 08:55	09/04/25 23:22	1
N-Nitrosopyrrolidine	<4.00	*1	11.1	4.00	ug/L		08/22/25 08:55	09/04/25 23:22	1
o,o',o''-Triethylphosphorothioate	<3.56	*+ *1	11.1	3.56	ug/L		08/22/25 08:55	09/04/25 23:22	1
o-Toluidine	<3.22	*1	11.1	3.22	ug/L		08/22/25 08:55	09/04/25 23:22	1
p-Dimethylamino azobenzene	<2.44	*1	11.1	2.44	ug/L		08/22/25 08:55	09/04/25 23:22	1
Pentachlorobenzene	<3.11	*1	11.1	3.11	ug/L		08/22/25 08:55	09/04/25 23:22	1
Pentachloronitrobenzene	<6.44	*1	11.1	6.44	ug/L		08/22/25 08:55	09/04/25 23:22	1
Pentachlorophenol	<10.7		11.1	10.7	ug/L		08/22/25 08:55	09/04/25 23:22	1
Phenacetin	<2.11	*1	11.1	2.11	ug/L		08/22/25 08:55	09/04/25 23:22	1
Phenanthrene	<0.878	*1	11.1	0.878	ug/L		08/22/25 08:55	09/04/25 23:22	1
Phenol	<1.22	*1	11.1	1.22	ug/L		08/22/25 08:55	09/04/25 23:22	1
Phorate	<3.56	*1	11.1	3.56	ug/L		08/22/25 08:55	09/04/25 23:22	1
Pronamide	<3.00	*1	11.1	3.00	ug/L		08/22/25 08:55	09/04/25 23:22	1
Pyrene	<0.878	*1	11.1	0.878	ug/L		08/22/25 08:55	09/04/25 23:22	1
Safrole	<3.11	*1	11.1	3.11	ug/L		08/22/25 08:55	09/04/25 23:22	1
Thionazin	<3.89	*1	11.1	3.89	ug/L		08/22/25 08:55	09/04/25 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*66*		*21 - 110*	*08/22/25 08:55*	*09/04/25 23:22*	*1*
Phenol-d5 (Surr)	*55*		*21 - 110*	*08/22/25 08:55*	*09/04/25 23:22*	*1*
Nitrobenzene-d5 (Surr)	*84*		*39 - 140*	*08/22/25 08:55*	*09/04/25 23:22*	*1*
2-Fluorobiphenyl (Surr)	*90*		*33 - 126*	*08/22/25 08:55*	*09/04/25 23:22*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*20 - 144*	*08/22/25 08:55*	*09/04/25 23:22*	*1*
Terphenyl-d14 (Surr)	*121*		*13 - 150*	*08/22/25 08:55*	*09/04/25 23:22*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/22/25 13:30	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/22/25 13:30	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0238		0.0951	0.0238	ug/L		08/25/25 13:33	09/02/25 16:35	1
4,4'-DDE	<0.0285		0.0951	0.0285	ug/L		08/25/25 13:33	09/02/25 16:35	1
4,4'-DDT	<0.0190		0.0951	0.0190	ug/L		08/25/25 13:33	09/02/25 16:35	1
Aldrin	<0.0209		0.0951	0.0209	ug/L		08/25/25 13:33	09/02/25 16:35	1

Client Sample ID: MW-25_25_08
Date Collected: 08/18/25 11:50
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-7
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00951		0.0951	0.00951	ug/L		08/25/25 13:33	09/02/25 16:35	1
beta-BHC	<0.0399		0.0951	0.0399	ug/L		08/25/25 13:33	09/02/25 16:35	1
Chlordane (technical)	<0.371		1.90	0.371	ug/L		08/25/25 13:33	09/02/25 16:35	1
delta-BHC	<0.0304		0.0951	0.0304	ug/L		08/25/25 13:33	09/02/25 16:35	1
Dieldrin	<0.0200		0.0951	0.0200	ug/L		08/25/25 13:33	09/02/25 16:35	1
Endosulfan I	<0.0266		0.0951	0.0266	ug/L		08/25/25 13:33	09/02/25 16:35	1
Endosulfan II	<0.0247		0.0951	0.0247	ug/L		08/25/25 13:33	09/02/25 16:35	1
Endosulfan sulfate	<0.0171		0.0951	0.0171	ug/L		08/25/25 13:33	09/02/25 16:35	1
Endrin	<0.0266		0.0951	0.0266	ug/L		08/25/25 13:33	09/02/25 16:35	1
Endrin aldehyde	<0.0257		0.0951	0.0257	ug/L		08/25/25 13:33	09/02/25 16:35	1
gamma-BHC (Lindane)	<0.00951		0.0951	0.00951	ug/L		08/25/25 13:33	09/02/25 16:35	1
Heptachlor	<0.0219		0.0951	0.0219	ug/L		08/25/25 13:33	09/02/25 16:35	1
Heptachlor epoxide	<0.0304		0.0951	0.0304	ug/L		08/25/25 13:33	09/02/25 16:35	1
Methoxychlor	<0.0304		0.0951	0.0304	ug/L		08/25/25 13:33	09/02/25 16:35	1
Toxaphene	<0.951		1.90	0.951	ug/L		08/25/25 13:33	09/02/25 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*139*		*10 - 150*	*08/25/25 13:33*	*09/02/25 16:35*	*1*
Tetrachloro-m-xylene	*131*		*17 - 150*	*08/25/25 13:33*	*09/02/25 16:35*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.738		1.80	0.738	ug/L		08/22/25 12:03	08/27/25 11:08	1
PCB-1221	<0.738		1.80	0.738	ug/L		08/22/25 12:03	08/27/25 11:08	1
PCB-1232	<0.738		1.80	0.738	ug/L		08/22/25 12:03	08/27/25 11:08	1
PCB-1242	<0.738		1.80	0.738	ug/L		08/22/25 12:03	08/27/25 11:08	1
PCB-1248	<0.621		1.80	0.621	ug/L		08/22/25 12:03	08/27/25 11:08	1
PCB-1254	<0.621		1.80	0.621	ug/L		08/22/25 12:03	08/27/25 11:08	1
PCB-1260	<0.621		1.80	0.621	ug/L		08/22/25 12:03	08/27/25 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*10 - 150*	*08/22/25 12:03*	*08/27/25 11:08*	*1*
Tetrachloro-m-xylene	*80*		*17 - 150*	*08/22/25 12:03*	*08/27/25 11:08*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.136		1.08	0.136	ug/L		08/25/25 07:17	08/25/25 22:00	1
Silvex (2,4,5-TP)	<0.113	*+	1.08	0.113	ug/L		08/25/25 07:17	08/25/25 22:00	1
2,4,5-T	<0.151		1.08	0.151	ug/L		08/25/25 07:17	08/25/25 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*84*		*25 - 130*	*08/25/25 07:17*	*08/25/25 22:00*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 12:46	1
Arsenic	**0.00165**	**J**	0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 12:46	1
Barium	**0.238**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 12:46	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 12:46	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 12:46	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 12:46	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-25_25_08
Date Collected: 08/18/25 11:50
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-7
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 12:46	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 12:46	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 12:46	1
Nickel	<0.00230		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 12:46	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 12:46	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 12:46	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 12:46	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/22/25 09:00	08/27/25 12:46	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 12:46	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 12:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/27/25 12:30	08/28/25 10:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/21/25 11:14	08/22/25 19:32	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/24/25 18:13	08/25/25 02:26	1
Total Suspended Solids (USGS I-3765-85)	**3.38**		1.88	1.31	mg/L			08/21/25 12:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-26_25_08
Date Collected: 08/18/25 14:25
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 16:25	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 16:25	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 16:25	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 16:25	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 16:25	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 16:25	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 16:25	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 16:25	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 16:25	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 16:25	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 16:25	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 16:25	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 16:25	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 16:25	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 16:25	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 16:25	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 16:25	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 16:25	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 16:25	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 16:25	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 16:25	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 16:25	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 16:25	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 16:25	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 16:25	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 16:25	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 16:25	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 16:25	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 16:25	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 16:25	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 16:25	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 16:25	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 16:25	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 16:25	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 16:25	1
Methylene chloride	<1.70		5.00	1.70	ug/L			08/21/25 16:25	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 16:25	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 16:25	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 16:25	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 16:25	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 16:25	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 16:25	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 16:25	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 16:25	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 16:25	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 16:25	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*76 - 130*		*08/21/25 16:25*	*1*

Client Sample ID: MW-26_25_08

Date Collected: 08/18/25 14:25
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-8

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/21/25 16:25*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/21/25 16:25*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	<5.61	*1	10.2	5.61	ug/L		08/22/25 08:55	09/04/25 23:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*101*		*39 - 140*	*08/22/25 08:55*	*09/04/25 23:48*	*1*
2-Fluorobiphenyl (Surr)	*99*		*33 - 126*	*08/22/25 08:55*	*09/04/25 23:48*	*1*
Terphenyl-d14 (Surr)	*157*	*S1+*	*13 - 150*	*08/22/25 08:55*	*09/04/25 23:48*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00904		0.0904	0.00904	ug/L		08/22/25 12:03	08/28/25 14:16	1
Heptachlor	<0.0208		0.0904	0.0208	ug/L		08/22/25 12:03	08/28/25 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*10 - 150*	*08/22/25 12:03*	*08/28/25 14:16*	*1*
Tetrachloro-m-xylene	*80*		*17 - 150*	*08/22/25 12:03*	*08/28/25 14:16*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 12:55	1
Arsenic	**0.00106**	**J**	0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 12:55	1
Barium	**0.167**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 12:55	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 12:55	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 12:55	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 12:55	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 12:55	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 12:55	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 12:55	1
Nickel	<0.00230		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 12:55	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 12:55	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 12:55	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 12:55	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 12:55	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 12:55	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/22/25 09:00	08/27/25 12:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**10.8**		3.75	2.63	mg/L			08/21/25 12:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-28_25_08
Date Collected: 08/18/25 12:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 16:48	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 16:48	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 16:48	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 16:48	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 16:48	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 16:48	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/21/25 16:48	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 16:48	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/21/25 16:48	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 16:48	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 16:48	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 16:48	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 16:48	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 16:48	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/21/25 16:48	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/21/25 16:48	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 16:48	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/21/25 16:48	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 16:48	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 16:48	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 16:48	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 16:48	1
Acrolein	<3.60		10.0	3.60	ug/L			08/21/25 16:48	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 16:48	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/21/25 16:48	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 16:48	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 16:48	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 16:48	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 16:48	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 16:48	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 16:48	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 16:48	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 16:48	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 16:48	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 16:48	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 16:48	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 16:48	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/21/25 16:48	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 16:48	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 16:48	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 16:48	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/21/25 16:48	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/21/25 16:48	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 16:48	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 16:48	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/21/25 16:48	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/21/25 16:48	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/21/25 16:48	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/21/25 16:48	1

Client Sample ID: MW-28_25_08
Date Collected: 08/18/25 12:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/21/25 16:48	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/21/25 16:48	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/21/25 16:48	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 16:48	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 16:48	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 16:48	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 16:48	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 16:48	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 16:48	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 16:48	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 16:48	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 16:48	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 16:48	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*76 - 130*		*08/21/25 16:48*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/21/25 16:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/21/25 16:48*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.551	*1	10.2	0.551	ug/L		08/22/25 08:55	09/05/25 00:15	1
1,3,5-Trinitrobenzene	<2.35	*1	10.2	2.35	ug/L		08/22/25 08:55	09/05/25 00:15	1
1,3-Dinitrobenzene	<3.27	*1	10.2	3.27	ug/L		08/22/25 08:55	09/05/25 00:15	1
1,4-Naphthoquinone	<3.67	*1	10.2	3.67	ug/L		08/22/25 08:55	09/05/25 00:15	1
1,4-phenylenediamine	<1.94	*- *1	10.2	1.94	ug/L		08/22/25 08:55	09/05/25 00:15	1
1-Naphthylamine	<2.55		10.2	2.55	ug/L		08/22/25 08:55	09/05/25 00:15	1
2,3,4,6-Tetrachlorophenol	<5.41	*1	10.2	5.41	ug/L		08/22/25 08:55	09/05/25 00:15	1
2,4,5-Trichlorophenol	<5.41	*1	10.2	5.41	ug/L		08/22/25 08:55	09/05/25 00:15	1
2,4,6-Trichlorophenol	<5.10	*1	10.2	5.10	ug/L		08/22/25 08:55	09/05/25 00:15	1
2,4-Dichlorophenol	<0.867	*1	10.2	0.867	ug/L		08/22/25 08:55	09/05/25 00:15	1
2,4-Dimethylphenol	<0.592	*1	10.2	0.592	ug/L		08/22/25 08:55	09/05/25 00:15	1
2,4-Dinitrophenol	<13.3		20.4	13.3	ug/L		08/22/25 08:55	09/05/25 00:15	1
2,4-Dinitrotoluene	<6.53	*1	10.2	6.53	ug/L		08/22/25 08:55	09/05/25 00:15	1
2,6-Dichlorophenol	<0.704	*1	10.2	0.704	ug/L		08/22/25 08:55	09/05/25 00:15	1
2,6-Dinitrotoluene	<0.531	*1	10.2	0.531	ug/L		08/22/25 08:55	09/05/25 00:15	1
2-Acetylaminofluorene	<2.76	*1	10.2	2.76	ug/L		08/22/25 08:55	09/05/25 00:15	1
2-Chloronaphthalene	<0.653	*1	10.2	0.653	ug/L		08/22/25 08:55	09/05/25 00:15	1
2-Chlorophenol	<0.551	*1	10.2	0.551	ug/L		08/22/25 08:55	09/05/25 00:15	1
2-Methylnaphthalene	<0.602	*1	10.2	0.602	ug/L		08/22/25 08:55	09/05/25 00:15	1
2-Methylphenol	<0.663	*1	10.2	0.663	ug/L		08/22/25 08:55	09/05/25 00:15	1
2-Naphthylamine	<2.14		10.2	2.14	ug/L		08/22/25 08:55	09/05/25 00:15	1
2-Nitroaniline	<6.02	*1	10.2	6.02	ug/L		08/22/25 08:55	09/05/25 00:15	1
2-Nitrophenol	<6.94	*1	10.2	6.94	ug/L		08/22/25 08:55	09/05/25 00:15	1
3,3'-Dichlorobenzidine	<1.43		10.2	1.43	ug/L		08/22/25 08:55	09/05/25 00:15	1
3,3'-Dimethylbenzidine	<1.53	*1	10.2	1.53	ug/L		08/22/25 08:55	09/05/25 00:15	1
3-Methylcholanthrene	<0.327		10.2	0.327	ug/L		08/22/25 08:55	09/05/25 00:15	1
3-Nitroaniline	<2.76	*1	10.2	2.76	ug/L		08/22/25 08:55	09/05/25 00:15	1
4,6-Dinitro-2-methylphenol	<7.04		10.2	7.04	ug/L		08/22/25 08:55	09/05/25 00:15	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-28_25_08
Date Collected: 08/18/25 12:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.24		10.2	2.24	ug/L		08/22/25 08:55	09/05/25 00:15	1
4-Bromophenyl phenyl ether	<0.714	*1	10.2	0.714	ug/L		08/22/25 08:55	09/05/25 00:15	1
4-Chloro-3-methylphenol	<0.857	*1	10.2	0.857	ug/L		08/22/25 08:55	09/05/25 00:15	1
4-Chloroaniline	<0.633	*1	10.2	0.633	ug/L		08/22/25 08:55	09/05/25 00:15	1
4-Chlorophenyl phenyl ether	<0.704	*1	10.2	0.704	ug/L		08/22/25 08:55	09/05/25 00:15	1
Methylphenol, 3 & 4	<0.714	*1	10.2	0.714	ug/L		08/22/25 08:55	09/05/25 00:15	1
4-Nitroaniline	<1.33	*1	10.2	1.33	ug/L		08/22/25 08:55	09/05/25 00:15	1
4-Nitrophenol	<7.76		10.2	7.76	ug/L		08/22/25 08:55	09/05/25 00:15	1
5-Nitro-o-toluidine	<2.86	*1	10.2	2.86	ug/L		08/22/25 08:55	09/05/25 00:15	1
7,12-Dimethylbenz(a)anthracene	<1.94	*1	10.2	1.94	ug/L		08/22/25 08:55	09/05/25 00:15	1
Acenaphthene	<0.653	*1	10.2	0.653	ug/L		08/22/25 08:55	09/05/25 00:15	1
Acenaphthylene	<0.735	*1	10.2	0.735	ug/L		08/22/25 08:55	09/05/25 00:15	1
Acetophenone	<0.704	*1	10.2	0.704	ug/L		08/22/25 08:55	09/05/25 00:15	1
Anthracene	<0.888	*1	10.2	0.888	ug/L		08/22/25 08:55	09/05/25 00:15	1
Benzo[a]anthracene	<0.867	*1	10.2	0.867	ug/L		08/22/25 08:55	09/05/25 00:15	1
Benzo[a]pyrene	<8.27	*1	10.2	8.27	ug/L		08/22/25 08:55	08/29/25 18:26	1
Benzo[b]fluoranthene	<5.00	*1	10.2	5.00	ug/L		08/22/25 08:55	09/05/25 00:15	1
Benzo[g,h,i]perylene	<6.43	*1	10.2	6.43	ug/L		08/22/25 08:55	09/05/25 00:15	1
Benzo[k]fluoranthene	<2.24	*1	10.2	2.24	ug/L		08/22/25 08:55	09/05/25 00:15	1
Benzyl alcohol	<1.33	*1	10.2	1.33	ug/L		08/22/25 08:55	09/05/25 00:15	1
Bis(2-chloroethoxy)methane	<0.776	*1	10.2	0.776	ug/L		08/22/25 08:55	09/05/25 00:15	1
Bis(2-chloroethyl)ether	<0.837	*1	10.2	0.837	ug/L		08/22/25 08:55	09/05/25 00:15	1
2,2'-oxybis[1-chloropropane]	<0.551	*1	10.2	0.551	ug/L		08/22/25 08:55	09/05/25 00:15	1
Bis(2-ethylhexyl) phthalate	<5.61	*1	10.2	5.61	ug/L		08/22/25 08:55	09/05/25 00:15	1
Butyl benzyl phthalate	<5.51	*1	10.2	5.51	ug/L		08/22/25 08:55	09/05/25 00:15	1
Chlorobenzilate	<3.67	*1	10.2	3.67	ug/L		08/22/25 08:55	09/05/25 00:15	1
Chrysene	<0.888	*1	10.2	0.888	ug/L		08/22/25 08:55	09/05/25 00:15	1
Diallate	<4.08	*+ *1	10.2	4.08	ug/L		08/22/25 08:55	09/05/25 00:15	1
Dibenzo(a,h)anthracene	<3.98	*1	10.2	3.98	ug/L		08/22/25 08:55	08/29/25 18:26	1
Dibenzofuran	<0.755	*1	10.2	0.755	ug/L		08/22/25 08:55	09/05/25 00:15	1
Diethyl phthalate	<1.73	*1	10.2	1.73	ug/L		08/22/25 08:55	09/05/25 00:15	1
Dimethoate	<3.67	*+ *1	10.2	3.67	ug/L		08/22/25 08:55	09/05/25 00:15	1
Dimethyl phthalate	<1.02	*1	10.2	1.02	ug/L		08/22/25 08:55	09/05/25 00:15	1
Di-n-butyl phthalate	<5.71	*1	10.2	5.71	ug/L		08/22/25 08:55	09/05/25 00:15	1
Di-n-octyl phthalate	<7.14	*1	20.4	7.14	ug/L		08/22/25 08:55	09/05/25 00:15	1
Dinoseb	<2.45	*1	10.2	2.45	ug/L		08/22/25 08:55	09/05/25 00:15	1
Diphenylamine	<6.12	*1	10.2	6.12	ug/L		08/22/25 08:55	09/05/25 00:15	1
Disulfoton	<2.45	*1	10.2	2.45	ug/L		08/22/25 08:55	09/05/25 00:15	1
Ethyl methanesulfonate	<3.67	*1	10.2	3.67	ug/L		08/22/25 08:55	09/05/25 00:15	1
Ethyl Parathion	<2.24	*1	10.2	2.24	ug/L		08/22/25 08:55	09/05/25 00:15	1
Famphur	<3.88	*+ *1	10.2	3.88	ug/L		08/22/25 08:55	09/05/25 00:15	1
Fluoranthene	<1.73	*1	10.2	1.73	ug/L		08/22/25 08:55	09/05/25 00:15	1
Fluorene	<0.806	*1	10.2	0.806	ug/L		08/22/25 08:55	09/05/25 00:15	1
Hexachlorobenzene	<0.714	*1	10.2	0.714	ug/L		08/22/25 08:55	09/05/25 00:15	1
Hexachlorobutadiene	<0.878	*1	10.2	0.878	ug/L		08/22/25 08:55	09/05/25 00:15	1
Hexachlorocyclopentadiene	<5.20	*1	10.2	5.20	ug/L		08/22/25 08:55	09/05/25 00:15	1
Hexachloroethane	<0.990	*1	10.2	0.990	ug/L		08/22/25 08:55	09/05/25 00:15	1
Hexachloropropene	<2.65	*1	10.2	2.65	ug/L		08/22/25 08:55	09/05/25 00:15	1
Indeno[1,2,3-cd]pyrene	<4.29	*1	10.2	4.29	ug/L		08/22/25 08:55	08/29/25 18:26	1

Client Sample ID: MW-28_25_08
Date Collected: 08/18/25 12:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.80	*1	10.2	4.80	ug/L		08/22/25 08:55	09/05/25 00:15	1
Isophorone	<0.949	*1	10.2	0.949	ug/L		08/22/25 08:55	09/05/25 00:15	1
Isosafrole	<2.35	*1	10.2	2.35	ug/L		08/22/25 08:55	09/05/25 00:15	1
Kepone	<1.02	*-	10.2	1.02	ug/L		08/22/25 08:55	09/05/25 00:15	1
Methapyrilene	<0.776	*1	10.2	0.776	ug/L		08/22/25 08:55	09/05/25 00:15	1
Methyl methanesulfonate	<3.37	*1	10.2	3.37	ug/L		08/22/25 08:55	09/05/25 00:15	1
Methyl parathion	<2.35	*+ *1	10.2	2.35	ug/L		08/22/25 08:55	09/05/25 00:15	1
Nitrobenzene	<0.816	*1	10.2	0.816	ug/L		08/22/25 08:55	09/05/25 00:15	1
N-Nitrosodiethylamine	<3.47	*1	10.2	3.47	ug/L		08/22/25 08:55	09/05/25 00:15	1
N-Nitrosodimethylamine	<0.735	*1	10.2	0.735	ug/L		08/22/25 08:55	09/05/25 00:15	1
N-Nitrosodi-n-butylamine	<3.98	*1	10.2	3.98	ug/L		08/22/25 08:55	09/05/25 00:15	1
N-Nitrosodi-n-propylamine	<0.939	*1	10.2	0.939	ug/L		08/22/25 08:55	09/05/25 00:15	1
N-Nitrosodiphenylamine	<0.765	*1	10.2	0.765	ug/L		08/22/25 08:55	09/05/25 00:15	1
N-Nitrosomethylethylamine	<5.00		10.2	5.00	ug/L		08/22/25 08:55	09/05/25 00:15	1
N-Nitrosopiperidine	<2.76	*1	10.2	2.76	ug/L		08/22/25 08:55	09/05/25 00:15	1
N-Nitrosopyrrolidine	<3.67	*1	10.2	3.67	ug/L		08/22/25 08:55	09/05/25 00:15	1
o,o',o''-Triethylphosphorothioate	<3.27	*+ *1	10.2	3.27	ug/L		08/22/25 08:55	09/05/25 00:15	1
o-Toluidine	<2.96	*1	10.2	2.96	ug/L		08/22/25 08:55	09/05/25 00:15	1
p-Dimethylamino azobenzene	<2.24	*1	10.2	2.24	ug/L		08/22/25 08:55	09/05/25 00:15	1
Pentachlorobenzene	<2.86	*1	10.2	2.86	ug/L		08/22/25 08:55	09/05/25 00:15	1
Pentachloronitrobenzene	<5.92	*1	10.2	5.92	ug/L		08/22/25 08:55	09/05/25 00:15	1
Pentachlorophenol	<9.80		10.2	9.80	ug/L		08/22/25 08:55	09/05/25 00:15	1
Phenacetin	<1.94	*1	10.2	1.94	ug/L		08/22/25 08:55	09/05/25 00:15	1
Phenanthrene	<0.806	*1	10.2	0.806	ug/L		08/22/25 08:55	09/05/25 00:15	1
Phenol	<1.12	*1	10.2	1.12	ug/L		08/22/25 08:55	09/05/25 00:15	1
Phorate	<3.27	*1	10.2	3.27	ug/L		08/22/25 08:55	09/05/25 00:15	1
Pronamide	<2.76	*1	10.2	2.76	ug/L		08/22/25 08:55	09/05/25 00:15	1
Pyrene	<0.806	*1	10.2	0.806	ug/L		08/22/25 08:55	09/05/25 00:15	1
Safrole	<2.86	*1	10.2	2.86	ug/L		08/22/25 08:55	09/05/25 00:15	1
Thionazin	<3.57	*1	10.2	3.57	ug/L		08/22/25 08:55	09/05/25 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*54*		*21 - 110*	*08/22/25 08:55*	*09/05/25 00:15*	*1*
Phenol-d5 (Surr)	*46*		*21 - 110*	*08/22/25 08:55*	*09/05/25 00:15*	*1*
Nitrobenzene-d5 (Surr)	*70*		*39 - 140*	*08/22/25 08:55*	*09/05/25 00:15*	*1*
2-Fluorobiphenyl (Surr)	*73*		*33 - 126*	*08/22/25 08:55*	*09/05/25 00:15*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*20 - 144*	*08/22/25 08:55*	*09/05/25 00:15*	*1*
Terphenyl-d14 (Surr)	*106*		*13 - 150*	*08/22/25 08:55*	*09/05/25 00:15*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/22/25 13:51	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/22/25 13:51	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0240		0.0959	0.0240	ug/L		08/25/25 13:33	09/03/25 13:54	1
4,4'-DDE	<0.0288		0.0959	0.0288	ug/L		08/25/25 13:33	09/03/25 13:54	1
4,4'-DDT	<0.0192		0.0959	0.0192	ug/L		08/25/25 13:33	09/03/25 13:54	1
Aldrin	<0.0211		0.0959	0.0211	ug/L		08/25/25 13:33	09/03/25 13:54	1

Client Sample ID: MW-28_25_08
Date Collected: 08/18/25 12:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-9
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00959		0.0959	0.00959	ug/L		08/25/25 13:33	09/03/25 13:54	1
beta-BHC	<0.0403		0.0959	0.0403	ug/L		08/25/25 13:33	09/03/25 13:54	1
Chlordane (technical)	<0.374		1.92	0.374	ug/L		08/25/25 13:33	09/03/25 13:54	1
delta-BHC	<0.0307		0.0959	0.0307	ug/L		08/25/25 13:33	09/03/25 13:54	1
Dieldrin	<0.0201		0.0959	0.0201	ug/L		08/25/25 13:33	09/03/25 13:54	1
Endosulfan I	<0.0268		0.0959	0.0268	ug/L		08/25/25 13:33	09/03/25 13:54	1
Endosulfan II	<0.0249		0.0959	0.0249	ug/L		08/25/25 13:33	09/03/25 13:54	1
Endosulfan sulfate	<0.0173		0.0959	0.0173	ug/L		08/25/25 13:33	09/03/25 13:54	1
Endrin	<0.0268		0.0959	0.0268	ug/L		08/25/25 13:33	09/03/25 13:54	1
Endrin aldehyde	<0.0259		0.0959	0.0259	ug/L		08/25/25 13:33	09/03/25 13:54	1
gamma-BHC (Lindane)	<0.00959		0.0959	0.00959	ug/L		08/25/25 13:33	09/03/25 13:54	1
Heptachlor	<0.0221		0.0959	0.0221	ug/L		08/25/25 13:33	09/03/25 13:54	1
Heptachlor epoxide	<0.0307		0.0959	0.0307	ug/L		08/25/25 13:33	09/03/25 13:54	1
Methoxychlor	<0.0307		0.0959	0.0307	ug/L		08/25/25 13:33	09/03/25 13:54	1
Toxaphene	<0.959		1.92	0.959	ug/L		08/25/25 13:33	09/03/25 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*10 - 150*	*08/25/25 13:33*	*09/03/25 13:54*	*1*
Tetrachloro-m-xylene	*100*		*17 - 150*	*08/25/25 13:33*	*09/03/25 13:54*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.736		1.79	0.736	ug/L		08/22/25 12:03	08/27/25 11:34	1
PCB-1221	<0.736		1.79	0.736	ug/L		08/22/25 12:03	08/27/25 11:34	1
PCB-1232	<0.736		1.79	0.736	ug/L		08/22/25 12:03	08/27/25 11:34	1
PCB-1242	<0.736		1.79	0.736	ug/L		08/22/25 12:03	08/27/25 11:34	1
PCB-1248	<0.619		1.79	0.619	ug/L		08/22/25 12:03	08/27/25 11:34	1
PCB-1254	<0.619		1.79	0.619	ug/L		08/22/25 12:03	08/27/25 11:34	1
PCB-1260	<0.619		1.79	0.619	ug/L		08/22/25 12:03	08/27/25 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*149*		*10 - 150*	*08/22/25 12:03*	*08/27/25 11:34*	*1*
Tetrachloro-m-xylene	*147*		*17 - 150*	*08/22/25 12:03*	*08/27/25 11:34*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.129		1.02	0.129	ug/L		08/25/25 07:17	08/25/25 22:18	1
Silvex (2,4,5-TP)	<0.107	*+	1.02	0.107	ug/L		08/25/25 07:17	08/25/25 22:18	1
2,4,5-T	<0.143		1.02	0.143	ug/L		08/25/25 07:17	08/25/25 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*99*		*25 - 130*	*08/25/25 07:17*	*08/25/25 22:18*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 12:58	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 12:58	1
Barium	**0.178**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 12:58	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 12:58	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 12:58	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 12:58	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-28_25_08
Date Collected: 08/18/25 12:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-9
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 12:58	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 12:58	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 12:58	1
Nickel	<0.00230		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 12:58	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 12:58	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 12:58	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 12:58	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/22/25 09:00	08/27/25 12:58	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 12:58	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 12:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/27/25 12:30	08/28/25 10:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/21/25 11:14	08/22/25 19:32	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/24/25 18:21	08/25/25 02:52	1
Total Suspended Solids (USGS I-3765-85)	**20.5**		3.75	2.63	mg/L			08/21/25 12:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-30_25_08
Date Collected: 08/18/25 15:35
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 17:11	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 17:11	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 17:11	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 17:11	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 17:11	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 17:11	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/21/25 17:11	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 17:11	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/21/25 17:11	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 17:11	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 17:11	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 17:11	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 17:11	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 17:11	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/21/25 17:11	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/21/25 17:11	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 17:11	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/21/25 17:11	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 17:11	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 17:11	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 17:11	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 17:11	1
Acrolein	<3.60		10.0	3.60	ug/L			08/21/25 17:11	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 17:11	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/21/25 17:11	1
Benzene	**1.23**		0.500	0.220	ug/L			08/21/25 17:11	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 17:11	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 17:11	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 17:11	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 17:11	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 17:11	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 17:11	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 17:11	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 17:11	1
Chloroethane	**8.20**		4.00	0.790	ug/L			08/21/25 17:11	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 17:11	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 17:11	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/21/25 17:11	1
cis-1,2-Dichloroethene	**5.87**		1.00	0.210	ug/L			08/21/25 17:11	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 17:11	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 17:11	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/21/25 17:11	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/21/25 17:11	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 17:11	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 17:11	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/21/25 17:11	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/21/25 17:11	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/21/25 17:11	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/21/25 17:11	1

Client Sample ID: MW-30_25_08
Date Collected: 08/18/25 15:35
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/21/25 17:11	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/21/25 17:11	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/21/25 17:11	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 17:11	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 17:11	1
Toluene	**0.541**	**J**	1.00	0.430	ug/L			08/21/25 17:11	1
trans-1,2-Dichloroethene	**0.594**	**J**	1.00	0.270	ug/L			08/21/25 17:11	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 17:11	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 17:11	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 17:11	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 17:11	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 17:11	1
Vinyl chloride	**0.865**	**J**	1.00	0.180	ug/L			08/21/25 17:11	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*76 - 130*		*08/21/25 17:11*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/21/25 17:11*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/21/25 17:11*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.587	*1	10.9	0.587	ug/L		08/22/25 08:55	09/05/25 00:41	1
1,3,5-Trinitrobenzene	<2.50	*1	10.9	2.50	ug/L		08/22/25 08:55	09/05/25 00:41	1
1,3-Dinitrobenzene	<3.48	*1	10.9	3.48	ug/L		08/22/25 08:55	09/05/25 00:41	1
1,4-Naphthoquinone	<3.91	*1	10.9	3.91	ug/L		08/22/25 08:55	09/05/25 00:41	1
1,4-phenylenediamine	<2.07	*- *1	10.9	2.07	ug/L		08/22/25 08:55	09/05/25 00:41	1
1-Naphthylamine	<2.72		10.9	2.72	ug/L		08/22/25 08:55	09/05/25 00:41	1
2,3,4,6-Tetrachlorophenol	<5.76	*1	10.9	5.76	ug/L		08/22/25 08:55	09/05/25 00:41	1
2,4,5-Trichlorophenol	<5.76	*1	10.9	5.76	ug/L		08/22/25 08:55	09/05/25 00:41	1
2,4,6-Trichlorophenol	<5.43	*1	10.9	5.43	ug/L		08/22/25 08:55	09/05/25 00:41	1
2,4-Dichlorophenol	<0.924	*1	10.9	0.924	ug/L		08/22/25 08:55	09/05/25 00:41	1
2,4-Dimethylphenol	<0.630	*1	10.9	0.630	ug/L		08/22/25 08:55	09/05/25 00:41	1
2,4-Dinitrophenol	<14.1		21.7	14.1	ug/L		08/22/25 08:55	09/05/25 00:41	1
2,4-Dinitrotoluene	<6.96	*1	10.9	6.96	ug/L		08/22/25 08:55	09/05/25 00:41	1
2,6-Dichlorophenol	<0.750	*1	10.9	0.750	ug/L		08/22/25 08:55	09/05/25 00:41	1
2,6-Dinitrotoluene	<0.565	*1	10.9	0.565	ug/L		08/22/25 08:55	09/05/25 00:41	1
2-Acetylaminofluorene	<2.93	*1	10.9	2.93	ug/L		08/22/25 08:55	09/05/25 00:41	1
2-Chloronaphthalene	<0.696	*1	10.9	0.696	ug/L		08/22/25 08:55	09/05/25 00:41	1
2-Chlorophenol	<0.587	*1	10.9	0.587	ug/L		08/22/25 08:55	09/05/25 00:41	1
2-Methylnaphthalene	<0.641	*1	10.9	0.641	ug/L		08/22/25 08:55	09/05/25 00:41	1
2-Methylphenol	<0.707	*1	10.9	0.707	ug/L		08/22/25 08:55	09/05/25 00:41	1
2-Naphthylamine	<2.28		10.9	2.28	ug/L		08/22/25 08:55	09/05/25 00:41	1
2-Nitroaniline	<6.41	*1	10.9	6.41	ug/L		08/22/25 08:55	09/05/25 00:41	1
2-Nitrophenol	<7.39	*1	10.9	7.39	ug/L		08/22/25 08:55	09/05/25 00:41	1
3,3'-Dichlorobenzidine	<1.52		10.9	1.52	ug/L		08/22/25 08:55	09/05/25 00:41	1
3,3'-Dimethylbenzidine	<1.63	*1	10.9	1.63	ug/L		08/22/25 08:55	09/05/25 00:41	1
3-Methylcholanthrene	<0.348		10.9	0.348	ug/L		08/22/25 08:55	09/05/25 00:41	1
3-Nitroaniline	<2.93	*1	10.9	2.93	ug/L		08/22/25 08:55	09/05/25 00:41	1
4,6-Dinitro-2-methylphenol	<7.50		10.9	7.50	ug/L		08/22/25 08:55	09/05/25 00:41	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-30_25_08
Date Collected: 08/18/25 15:35
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.39		10.9	2.39	ug/L		08/22/25 08:55	09/05/25 00:41	1
4-Bromophenyl phenyl ether	<0.761	*1	10.9	0.761	ug/L		08/22/25 08:55	09/05/25 00:41	1
4-Chloro-3-methylphenol	<0.913	*1	10.9	0.913	ug/L		08/22/25 08:55	09/05/25 00:41	1
4-Chloroaniline	<0.674	*1	10.9	0.674	ug/L		08/22/25 08:55	09/05/25 00:41	1
4-Chlorophenyl phenyl ether	<0.750	*1	10.9	0.750	ug/L		08/22/25 08:55	09/05/25 00:41	1
Methylphenol, 3 & 4	**6.69**	**J *1**	10.9	0.761	ug/L		08/22/25 08:55	09/05/25 00:41	1
4-Nitroaniline	<1.41	*1	10.9	1.41	ug/L		08/22/25 08:55	09/05/25 00:41	1
4-Nitrophenol	<8.26		10.9	8.26	ug/L		08/22/25 08:55	09/05/25 00:41	1
5-Nitro-o-toluidine	<3.04	*1	10.9	3.04	ug/L		08/22/25 08:55	09/05/25 00:41	1
7,12-Dimethylbenz(a)anthracene	<2.07	*1	10.9	2.07	ug/L		08/22/25 08:55	09/05/25 00:41	1
Acenaphthene	<0.696	*1	10.9	0.696	ug/L		08/22/25 08:55	09/05/25 00:41	1
Acenaphthylene	<0.783	*1	10.9	0.783	ug/L		08/22/25 08:55	09/05/25 00:41	1
Acetophenone	<0.750	*1	10.9	0.750	ug/L		08/22/25 08:55	09/05/25 00:41	1
Anthracene	<0.946	*1	10.9	0.946	ug/L		08/22/25 08:55	09/05/25 00:41	1
Benzo[a]anthracene	<0.924	*1	10.9	0.924	ug/L		08/22/25 08:55	09/05/25 00:41	1
Benzo[a]pyrene	<8.80	*1	10.9	8.80	ug/L		08/22/25 08:55	08/29/25 18:52	1
Benzo[b]fluoranthene	<5.33	*1	10.9	5.33	ug/L		08/22/25 08:55	09/05/25 00:41	1
Benzo[g,h,i]perylene	<6.85	*1	10.9	6.85	ug/L		08/22/25 08:55	09/05/25 00:41	1
Benzo[k]fluoranthene	<2.39	*1	10.9	2.39	ug/L		08/22/25 08:55	09/05/25 00:41	1
Benzyl alcohol	<1.41	*1	10.9	1.41	ug/L		08/22/25 08:55	09/05/25 00:41	1
Bis(2-chloroethoxy)methane	<0.826	*1	10.9	0.826	ug/L		08/22/25 08:55	09/05/25 00:41	1
Bis(2-chloroethyl)ether	<0.891	*1	10.9	0.891	ug/L		08/22/25 08:55	09/05/25 00:41	1
2,2'-oxybis[1-chloropropane]	<0.587	*1	10.9	0.587	ug/L		08/22/25 08:55	09/05/25 00:41	1
Bis(2-ethylhexyl) phthalate	<5.98	*1	10.9	5.98	ug/L		08/22/25 08:55	09/05/25 00:41	1
Butyl benzyl phthalate	<5.87	*1	10.9	5.87	ug/L		08/22/25 08:55	09/05/25 00:41	1
Chlorobenzilate	<3.91	*1	10.9	3.91	ug/L		08/22/25 08:55	09/05/25 00:41	1
Chrysene	<0.946	*1	10.9	0.946	ug/L		08/22/25 08:55	09/05/25 00:41	1
Diallate	<4.35	*+ *1	10.9	4.35	ug/L		08/22/25 08:55	09/05/25 00:41	1
Dibenzo(a,h)anthracene	<4.24	*1	10.9	4.24	ug/L		08/22/25 08:55	08/29/25 18:52	1
Dibenzofuran	<0.804	*1	10.9	0.804	ug/L		08/22/25 08:55	09/05/25 00:41	1
Diethyl phthalate	<1.85	*1	10.9	1.85	ug/L		08/22/25 08:55	09/05/25 00:41	1
Dimethoate	<3.91	*+ *1	10.9	3.91	ug/L		08/22/25 08:55	09/05/25 00:41	1
Dimethyl phthalate	<1.09	*1	10.9	1.09	ug/L		08/22/25 08:55	09/05/25 00:41	1
Di-n-butyl phthalate	<6.09	*1	10.9	6.09	ug/L		08/22/25 08:55	09/05/25 00:41	1
Di-n-octyl phthalate	<7.61	*1	21.7	7.61	ug/L		08/22/25 08:55	09/05/25 00:41	1
Dinoseb	<2.61	*1	10.9	2.61	ug/L		08/22/25 08:55	09/05/25 00:41	1
Diphenylamine	<6.52	*1	10.9	6.52	ug/L		08/22/25 08:55	09/05/25 00:41	1
Disulfoton	<2.61	*1	10.9	2.61	ug/L		08/22/25 08:55	09/05/25 00:41	1
Ethyl methanesulfonate	<3.91	*1	10.9	3.91	ug/L		08/22/25 08:55	09/05/25 00:41	1
Ethyl Parathion	<2.39	*1	10.9	2.39	ug/L		08/22/25 08:55	09/05/25 00:41	1
Famphur	<4.13	*+ *1	10.9	4.13	ug/L		08/22/25 08:55	09/05/25 00:41	1
Fluoranthene	<1.85	*1	10.9	1.85	ug/L		08/22/25 08:55	09/05/25 00:41	1
Fluorene	<0.859	*1	10.9	0.859	ug/L		08/22/25 08:55	09/05/25 00:41	1
Hexachlorobenzene	<0.761	*1	10.9	0.761	ug/L		08/22/25 08:55	09/05/25 00:41	1
Hexachlorobutadiene	<0.935	*1	10.9	0.935	ug/L		08/22/25 08:55	09/05/25 00:41	1
Hexachlorocyclopentadiene	<5.54	*1	10.9	5.54	ug/L		08/22/25 08:55	09/05/25 00:41	1
Hexachloroethane	<1.05	*1	10.9	1.05	ug/L		08/22/25 08:55	09/05/25 00:41	1
Hexachloropropene	<2.83	*1	10.9	2.83	ug/L		08/22/25 08:55	09/05/25 00:41	1
Indeno[1,2,3-cd]pyrene	<4.57	*1	10.9	4.57	ug/L		08/22/25 08:55	08/29/25 18:52	1

Client Sample ID: MW-30_25_08
Date Collected: 08/18/25 15:35
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<5.11	*1	10.9	5.11	ug/L		08/22/25 08:55	09/05/25 00:41	1
Isophorone	<1.01	*1	10.9	1.01	ug/L		08/22/25 08:55	09/05/25 00:41	1
Isosafrole	<2.50	*1	10.9	2.50	ug/L		08/22/25 08:55	09/05/25 00:41	1
Kepone	<1.09	*-	10.9	1.09	ug/L		08/22/25 08:55	09/05/25 00:41	1
Methapyrilene	<0.826	*1	10.9	0.826	ug/L		08/22/25 08:55	09/05/25 00:41	1
Methyl methanesulfonate	<3.59	*1	10.9	3.59	ug/L		08/22/25 08:55	09/05/25 00:41	1
Methyl parathion	<2.50	*+ *1	10.9	2.50	ug/L		08/22/25 08:55	09/05/25 00:41	1
Nitrobenzene	<0.870	*1	10.9	0.870	ug/L		08/22/25 08:55	09/05/25 00:41	1
N-Nitrosodiethylamine	<3.70	*1	10.9	3.70	ug/L		08/22/25 08:55	09/05/25 00:41	1
N-Nitrosodimethylamine	<0.783	*1	10.9	0.783	ug/L		08/22/25 08:55	09/05/25 00:41	1
N-Nitrosodi-n-butylamine	<4.24	*1	10.9	4.24	ug/L		08/22/25 08:55	09/05/25 00:41	1
N-Nitrosodi-n-propylamine	<1.00	*1	10.9	1.00	ug/L		08/22/25 08:55	09/05/25 00:41	1
N-Nitrosodiphenylamine	<0.815	*1	10.9	0.815	ug/L		08/22/25 08:55	09/05/25 00:41	1
N-Nitrosomethylethylamine	<5.33		10.9	5.33	ug/L		08/22/25 08:55	09/05/25 00:41	1
N-Nitrosopiperidine	<2.93	*1	10.9	2.93	ug/L		08/22/25 08:55	09/05/25 00:41	1
N-Nitrosopyrrolidine	<3.91	*1	10.9	3.91	ug/L		08/22/25 08:55	09/05/25 00:41	1
o,o',o''-Triethylphosphorothioate	<3.48	*+ *1	10.9	3.48	ug/L		08/22/25 08:55	09/05/25 00:41	1
o-Toluidine	<3.15	*1	10.9	3.15	ug/L		08/22/25 08:55	09/05/25 00:41	1
p-Dimethylamino azobenzene	<2.39	*1	10.9	2.39	ug/L		08/22/25 08:55	09/05/25 00:41	1
Pentachlorobenzene	<3.04	*1	10.9	3.04	ug/L		08/22/25 08:55	09/05/25 00:41	1
Pentachloronitrobenzene	<6.30	*1	10.9	6.30	ug/L		08/22/25 08:55	09/05/25 00:41	1
Pentachlorophenol	<10.4		10.9	10.4	ug/L		08/22/25 08:55	09/05/25 00:41	1
Phenacetin	<2.07	*1	10.9	2.07	ug/L		08/22/25 08:55	09/05/25 00:41	1
Phenanthrene	<0.859	*1	10.9	0.859	ug/L		08/22/25 08:55	09/05/25 00:41	1
Phenol	<1.20	*1	10.9	1.20	ug/L		08/22/25 08:55	09/05/25 00:41	1
Phorate	<3.48	*1	10.9	3.48	ug/L		08/22/25 08:55	09/05/25 00:41	1
Pronamide	<2.93	*1	10.9	2.93	ug/L		08/22/25 08:55	09/05/25 00:41	1
Pyrene	<0.859	*1	10.9	0.859	ug/L		08/22/25 08:55	09/05/25 00:41	1
Safrole	<3.04	*1	10.9	3.04	ug/L		08/22/25 08:55	09/05/25 00:41	1
Thionazin	<3.80	*1	10.9	3.80	ug/L		08/22/25 08:55	09/05/25 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*74*		*21 - 110*	*08/22/25 08:55*	*09/05/25 00:41*	*1*
Phenol-d5 (Surr)	*65*		*21 - 110*	*08/22/25 08:55*	*09/05/25 00:41*	*1*
Nitrobenzene-d5 (Surr)	*95*		*39 - 140*	*08/22/25 08:55*	*09/05/25 00:41*	*1*
2-Fluorobiphenyl (Surr)	*96*		*33 - 126*	*08/22/25 08:55*	*09/05/25 00:41*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*20 - 144*	*08/22/25 08:55*	*09/05/25 00:41*	*1*
Terphenyl-d14 (Surr)	*145*		*13 - 150*	*08/22/25 08:55*	*09/05/25 00:41*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/22/25 14:12	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/22/25 14:12	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0235		0.0941	0.0235	ug/L		08/25/25 13:33	09/03/25 14:07	1
4,4'-DDE	<0.0282		0.0941	0.0282	ug/L		08/25/25 13:33	09/03/25 14:07	1
4,4'-DDT	<0.0188		0.0941	0.0188	ug/L		08/25/25 13:33	09/03/25 14:07	1
Aldrin	<0.0207		0.0941	0.0207	ug/L		08/25/25 13:33	09/03/25 14:07	1

Client Sample ID: MW-30_25_08
Date Collected: 08/18/25 15:35
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-10
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00941		0.0941	0.00941	ug/L		08/25/25 13:33	09/03/25 14:07	1
beta-BHC	<0.0395		0.0941	0.0395	ug/L		08/25/25 13:33	09/03/25 14:07	1
Chlordane (technical)	<0.367		1.88	0.367	ug/L		08/25/25 13:33	09/03/25 14:07	1
delta-BHC	<0.0301		0.0941	0.0301	ug/L		08/25/25 13:33	09/03/25 14:07	1
Dieldrin	<0.0198		0.0941	0.0198	ug/L		08/25/25 13:33	09/03/25 14:07	1
Endosulfan I	<0.0263		0.0941	0.0263	ug/L		08/25/25 13:33	09/03/25 14:07	1
Endosulfan II	<0.0245		0.0941	0.0245	ug/L		08/25/25 13:33	09/03/25 14:07	1
Endosulfan sulfate	<0.0169		0.0941	0.0169	ug/L		08/25/25 13:33	09/03/25 14:07	1
Endrin	<0.0263		0.0941	0.0263	ug/L		08/25/25 13:33	09/03/25 14:07	1
Endrin aldehyde	<0.0254		0.0941	0.0254	ug/L		08/25/25 13:33	09/03/25 14:07	1
gamma-BHC (Lindane)	<0.00941		0.0941	0.00941	ug/L		08/25/25 13:33	09/03/25 14:07	1
Heptachlor	<0.0216		0.0941	0.0216	ug/L		08/25/25 13:33	09/03/25 14:07	1
Heptachlor epoxide	<0.0301		0.0941	0.0301	ug/L		08/25/25 13:33	09/03/25 14:07	1
Methoxychlor	<0.0301		0.0941	0.0301	ug/L		08/25/25 13:33	09/03/25 14:07	1
Toxaphene	<0.941		1.88	0.941	ug/L		08/25/25 13:33	09/03/25 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*10 - 150*	*08/25/25 13:33*	*09/03/25 14:07*	*1*
Tetrachloro-m-xylene	*99*		*17 - 150*	*08/25/25 13:33*	*09/03/25 14:07*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.728		1.78	0.728	ug/L		08/22/25 12:03	08/27/25 11:47	1
PCB-1221	<0.728		1.78	0.728	ug/L		08/22/25 12:03	08/27/25 11:47	1
PCB-1232	<0.728		1.78	0.728	ug/L		08/22/25 12:03	08/27/25 11:47	1
PCB-1242	<0.728		1.78	0.728	ug/L		08/22/25 12:03	08/27/25 11:47	1
PCB-1248	<0.613		1.78	0.613	ug/L		08/22/25 12:03	08/27/25 11:47	1
PCB-1254	<0.613		1.78	0.613	ug/L		08/22/25 12:03	08/27/25 11:47	1
PCB-1260	<0.613		1.78	0.613	ug/L		08/22/25 12:03	08/27/25 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*153*	*S1+*	*10 - 150*	*08/22/25 12:03*	*08/27/25 11:47*	*1*
Tetrachloro-m-xylene	*159*	*S1+*	*17 - 150*	*08/22/25 12:03*	*08/27/25 11:47*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.136		1.08	0.136	ug/L		08/25/25 07:17	08/25/25 22:36	1
Silvex (2,4,5-TP)	<0.113	*+	1.08	0.113	ug/L		08/25/25 07:17	08/25/25 22:36	1
2,4,5-T	<0.151		1.08	0.151	ug/L		08/25/25 07:17	08/25/25 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*83*		*25 - 130*	*08/25/25 07:17*	*08/25/25 22:36*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 13:01	1
Arsenic	**0.0144**		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 13:01	1
Barium	**0.157**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 13:01	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 13:01	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 13:01	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 13:01	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-30_25_08
Date Collected: 08/18/25 15:35
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-10
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00166		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 13:01	1
Copper	0.0144		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 13:01	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 13:01	1
Nickel	0.0290		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 13:01	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 13:01	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 13:01	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 13:01	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/22/25 09:00	08/27/25 13:01	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 13:01	1
Zinc	0.0804		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 13:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/27/25 12:30	08/28/25 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/21/25 11:14	08/22/25 19:35	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/24/25 18:24	08/25/25 03:01	1
Total Suspended Solids (USGS I-3765-85)	21.8		3.75	2.63	mg/L			08/21/25 12:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-31_25_08
Date Collected: 08/18/25 17:10
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 17:33	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 17:33	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 17:33	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 17:33	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 17:33	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 17:33	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 17:33	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 17:33	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 17:33	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 17:33	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 17:33	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 17:33	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 17:33	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 17:33	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 17:33	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 17:33	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 17:33	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 17:33	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 17:33	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 17:33	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 17:33	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 17:33	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 17:33	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 17:33	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 17:33	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 17:33	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 17:33	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 17:33	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 17:33	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 17:33	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 17:33	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 17:33	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 17:33	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 17:33	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 17:33	1
Methylene chloride	<1.70		5.00	1.70	ug/L			08/21/25 17:33	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 17:33	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 17:33	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 17:33	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 17:33	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 17:33	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 17:33	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 17:33	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 17:33	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 17:33	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 17:33	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*76 - 130*		*08/21/25 17:33*	*1*

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-31_25_08
Date Collected: 08/18/25 17:10
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/21/25 17:33*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/21/25 17:33*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 13:04	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 13:04	1
Barium	**0.0876**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 13:04	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 13:04	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 13:04	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 13:04	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 13:04	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 13:04	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 13:04	1
Nickel	<0.00230		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 13:04	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 13:04	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 13:04	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 13:04	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 13:04	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 13:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2.25**		1.88	1.31	mg/L			08/21/25 12:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-35_25_08
Date Collected: 08/19/25 17:15
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 17:56	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 17:56	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 17:56	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 17:56	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 17:56	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 17:56	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/21/25 17:56	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 17:56	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/21/25 17:56	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 17:56	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 17:56	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 17:56	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 17:56	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 17:56	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/21/25 17:56	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/21/25 17:56	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 17:56	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/21/25 17:56	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 17:56	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 17:56	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 17:56	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 17:56	1
Acrolein	<3.60		10.0	3.60	ug/L			08/21/25 17:56	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 17:56	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/21/25 17:56	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 17:56	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 17:56	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 17:56	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 17:56	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 17:56	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 17:56	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 17:56	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 17:56	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 17:56	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 17:56	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 17:56	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 17:56	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/21/25 17:56	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 17:56	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 17:56	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 17:56	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/21/25 17:56	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/21/25 17:56	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 17:56	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 17:56	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/21/25 17:56	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/21/25 17:56	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/21/25 17:56	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/21/25 17:56	1

Client Sample ID: MW-35_25_08
Date Collected: 08/19/25 17:15
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/21/25 17:56	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/21/25 17:56	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/21/25 17:56	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 17:56	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 17:56	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 17:56	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 17:56	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 17:56	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 17:56	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 17:56	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 17:56	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 17:56	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 17:56	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*76 - 130*		*08/21/25 17:56*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/21/25 17:56*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/21/25 17:56*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.563		10.4	0.563	ug/L		08/26/25 07:34	09/05/25 05:04	1
1,3,5-Trinitrobenzene	<2.40		10.4	2.40	ug/L		08/26/25 07:34	09/05/25 05:04	1
1,3-Dinitrobenzene	<3.33		10.4	3.33	ug/L		08/26/25 07:34	09/05/25 05:04	1
1,4-Naphthoquinone	<3.75		10.4	3.75	ug/L		08/26/25 07:34	09/05/25 05:04	1
1,4-phenylenediamine	<1.98	*- *1	10.4	1.98	ug/L		08/26/25 07:34	09/05/25 05:04	1
1-Naphthylamine	<2.60		10.4	2.60	ug/L		08/26/25 07:34	09/05/25 05:04	1
2,3,4,6-Tetrachlorophenol	<5.52		10.4	5.52	ug/L		08/26/25 07:34	09/05/25 05:04	1
2,4,5-Trichlorophenol	<5.52		10.4	5.52	ug/L		08/26/25 07:34	09/05/25 05:04	1
2,4,6-Trichlorophenol	<5.21		10.4	5.21	ug/L		08/26/25 07:34	09/05/25 05:04	1
2,4-Dichlorophenol	<0.885		10.4	0.885	ug/L		08/26/25 07:34	09/05/25 05:04	1
2,4-Dimethylphenol	<0.604		10.4	0.604	ug/L		08/26/25 07:34	09/05/25 05:04	1
2,4-Dinitrophenol	<13.5		20.8	13.5	ug/L		08/26/25 07:34	09/05/25 05:04	1
2,4-Dinitrotoluene	<6.67		10.4	6.67	ug/L		08/26/25 07:34	09/05/25 05:04	1
2,6-Dichlorophenol	<0.719		10.4	0.719	ug/L		08/26/25 07:34	09/05/25 05:04	1
2,6-Dinitrotoluene	<0.542		10.4	0.542	ug/L		08/26/25 07:34	09/05/25 05:04	1
2-Acetylaminofluorene	<2.81		10.4	2.81	ug/L		08/26/25 07:34	09/05/25 05:04	1
2-Chloronaphthalene	<0.667		10.4	0.667	ug/L		08/26/25 07:34	09/05/25 05:04	1
2-Chlorophenol	<0.563		10.4	0.563	ug/L		08/26/25 07:34	09/05/25 05:04	1
2-Methylnaphthalene	<0.615		10.4	0.615	ug/L		08/26/25 07:34	09/05/25 05:04	1
2-Methylphenol	<0.677		10.4	0.677	ug/L		08/26/25 07:34	09/05/25 05:04	1
2-Naphthylamine	<2.19		10.4	2.19	ug/L		08/26/25 07:34	09/05/25 05:04	1
2-Nitroaniline	<6.15		10.4	6.15	ug/L		08/26/25 07:34	09/05/25 05:04	1
2-Nitrophenol	<7.08		10.4	7.08	ug/L		08/26/25 07:34	09/05/25 05:04	1
3,3'-Dichlorobenzidine	<1.46		10.4	1.46	ug/L		08/26/25 07:34	09/05/25 05:04	1
3,3'-Dimethylbenzidine	<1.56		10.4	1.56	ug/L		08/26/25 07:34	09/05/25 05:04	1
3-Methylcholanthrene	<0.333		10.4	0.333	ug/L		08/26/25 07:34	09/05/25 05:04	1
3-Nitroaniline	<2.81		10.4	2.81	ug/L		08/26/25 07:34	09/05/25 05:04	1
4,6-Dinitro-2-methylphenol	<7.19		10.4	7.19	ug/L		08/26/25 07:34	09/05/25 05:04	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-35_25_08
Date Collected: 08/19/25 17:15
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.29		10.4	2.29	ug/L		08/26/25 07:34	09/05/25 05:04	1
4-Bromophenyl phenyl ether	<0.729		10.4	0.729	ug/L		08/26/25 07:34	09/05/25 05:04	1
4-Chloro-3-methylphenol	<0.875		10.4	0.875	ug/L		08/26/25 07:34	09/05/25 05:04	1
4-Chloroaniline	<0.646		10.4	0.646	ug/L		08/26/25 07:34	09/05/25 05:04	1
4-Chlorophenyl phenyl ether	<0.719		10.4	0.719	ug/L		08/26/25 07:34	09/05/25 05:04	1
Methylphenol, 3 & 4	<0.729		10.4	0.729	ug/L		08/26/25 07:34	09/05/25 05:04	1
4-Nitroaniline	<1.35		10.4	1.35	ug/L		08/26/25 07:34	09/05/25 05:04	1
4-Nitrophenol	<7.92		10.4	7.92	ug/L		08/26/25 07:34	09/05/25 05:04	1
5-Nitro-o-toluidine	<2.92		10.4	2.92	ug/L		08/26/25 07:34	09/05/25 05:04	1
7,12-Dimethylbenz(a)anthracene	<1.98		10.4	1.98	ug/L		08/26/25 07:34	09/05/25 05:04	1
Acenaphthene	<0.667		10.4	0.667	ug/L		08/26/25 07:34	09/05/25 05:04	1
Acenaphthylene	<0.750		10.4	0.750	ug/L		08/26/25 07:34	09/05/25 05:04	1
Acetophenone	<0.719		10.4	0.719	ug/L		08/26/25 07:34	09/05/25 05:04	1
Anthracene	<0.906		10.4	0.906	ug/L		08/26/25 07:34	09/05/25 05:04	1
Benzo[a]anthracene	<0.885		10.4	0.885	ug/L		08/26/25 07:34	09/05/25 05:04	1
Benzo[a]pyrene	<8.44		10.4	8.44	ug/L		08/26/25 07:34	08/29/25 23:14	1
Benzo[b]fluoranthene	<5.10		10.4	5.10	ug/L		08/26/25 07:34	09/05/25 05:04	1
Benzo[g,h,i]perylene	<6.56		10.4	6.56	ug/L		08/26/25 07:34	09/05/25 05:04	1
Benzo[k]fluoranthene	<2.29		10.4	2.29	ug/L		08/26/25 07:34	09/05/25 05:04	1
Benzyl alcohol	<1.35		10.4	1.35	ug/L		08/26/25 07:34	09/05/25 05:04	1
Bis(2-chloroethoxy)methane	<0.792		10.4	0.792	ug/L		08/26/25 07:34	09/05/25 05:04	1
Bis(2-chloroethyl)ether	<0.854		10.4	0.854	ug/L		08/26/25 07:34	09/05/25 05:04	1
2,2'-oxybis[1-chloropropane]	<0.563		10.4	0.563	ug/L		08/26/25 07:34	09/05/25 05:04	1
Bis(2-ethylhexyl) phthalate	<5.73		10.4	5.73	ug/L		08/26/25 07:34	09/05/25 05:04	1
Butyl benzyl phthalate	<5.63		10.4	5.63	ug/L		08/26/25 07:34	09/05/25 05:04	1
Chlorobenzilate	<3.75		10.4	3.75	ug/L		08/26/25 07:34	09/05/25 05:04	1
Chrysene	<0.906		10.4	0.906	ug/L		08/26/25 07:34	09/05/25 05:04	1
Diallate	<4.17	*+	10.4	4.17	ug/L		08/26/25 07:34	09/05/25 05:04	1
Dibenzo(a,h)anthracene	<4.06		10.4	4.06	ug/L		08/26/25 07:34	08/29/25 23:14	1
Dibenzofuran	<0.771		10.4	0.771	ug/L		08/26/25 07:34	09/05/25 05:04	1
Diethyl phthalate	<1.77		10.4	1.77	ug/L		08/26/25 07:34	09/05/25 05:04	1
Dimethoate	<3.75		10.4	3.75	ug/L		08/26/25 07:34	09/05/25 05:04	1
Dimethyl phthalate	<1.04		10.4	1.04	ug/L		08/26/25 07:34	09/05/25 05:04	1
Di-n-butyl phthalate	<5.83		10.4	5.83	ug/L		08/26/25 07:34	09/05/25 05:04	1
Di-n-octyl phthalate	<7.29		20.8	7.29	ug/L		08/26/25 07:34	09/05/25 05:04	1
Dinoseb	<2.50		10.4	2.50	ug/L		08/26/25 07:34	09/05/25 05:04	1
Diphenylamine	<6.25		10.4	6.25	ug/L		08/26/25 07:34	09/05/25 05:04	1
Disulfoton	<2.50		10.4	2.50	ug/L		08/26/25 07:34	09/05/25 05:04	1
Ethyl methanesulfonate	<3.75		10.4	3.75	ug/L		08/26/25 07:34	09/05/25 05:04	1
Ethyl Parathion	<2.29		10.4	2.29	ug/L		08/26/25 07:34	09/05/25 05:04	1
Famphur	<3.96	*+	10.4	3.96	ug/L		08/26/25 07:34	09/05/25 05:04	1
Fluoranthene	<1.77		10.4	1.77	ug/L		08/26/25 07:34	09/05/25 05:04	1
Fluorene	<0.823		10.4	0.823	ug/L		08/26/25 07:34	09/05/25 05:04	1
Hexachlorobenzene	<0.729		10.4	0.729	ug/L		08/26/25 07:34	09/05/25 05:04	1
Hexachlorobutadiene	<0.896		10.4	0.896	ug/L		08/26/25 07:34	09/05/25 05:04	1
Hexachlorocyclopentadiene	<5.31		10.4	5.31	ug/L		08/26/25 07:34	09/05/25 05:04	1
Hexachloroethane	<1.01		10.4	1.01	ug/L		08/26/25 07:34	09/05/25 05:04	1
Hexachloropropene	<2.71		10.4	2.71	ug/L		08/26/25 07:34	09/05/25 05:04	1
Indeno[1,2,3-cd]pyrene	<4.38		10.4	4.38	ug/L		08/26/25 07:34	08/29/25 23:14	1

Client Sample ID: MW-35_25_08
Date Collected: 08/19/25 17:15
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.90		10.4	4.90	ug/L		08/26/25 07:34	09/05/25 05:04	1
Isophorone	<0.969		10.4	0.969	ug/L		08/26/25 07:34	09/05/25 05:04	1
Isosafrole	<2.40		10.4	2.40	ug/L		08/26/25 07:34	09/05/25 05:04	1
Kepone	<1.04	*+ *1	10.4	1.04	ug/L		08/26/25 07:34	09/05/25 05:04	1
Methapyrilene	<0.792		10.4	0.792	ug/L		08/26/25 07:34	09/05/25 05:04	1
Methyl methanesulfonate	<3.44		10.4	3.44	ug/L		08/26/25 07:34	09/05/25 05:04	1
Methyl parathion	<2.40		10.4	2.40	ug/L		08/26/25 07:34	09/05/25 05:04	1
Nitrobenzene	<0.833		10.4	0.833	ug/L		08/26/25 07:34	09/05/25 05:04	1
N-Nitrosodiethylamine	<3.54		10.4	3.54	ug/L		08/26/25 07:34	09/05/25 05:04	1
N-Nitrosodimethylamine	<0.750		10.4	0.750	ug/L		08/26/25 07:34	09/05/25 05:04	1
N-Nitrosodi-n-butylamine	<4.06		10.4	4.06	ug/L		08/26/25 07:34	09/05/25 05:04	1
N-Nitrosodi-n-propylamine	<0.958		10.4	0.958	ug/L		08/26/25 07:34	09/05/25 05:04	1
N-Nitrosodiphenylamine	<0.781		10.4	0.781	ug/L		08/26/25 07:34	09/05/25 05:04	1
N-Nitrosomethylethylamine	<5.10		10.4	5.10	ug/L		08/26/25 07:34	09/05/25 05:04	1
N-Nitrosopiperidine	<2.81		10.4	2.81	ug/L		08/26/25 07:34	09/05/25 05:04	1
N-Nitrosopyrrolidine	<3.75		10.4	3.75	ug/L		08/26/25 07:34	09/05/25 05:04	1
o,o',o''-Triethylphosphorothioate	<3.33		10.4	3.33	ug/L		08/26/25 07:34	09/05/25 05:04	1
o-Toluidine	<3.02		10.4	3.02	ug/L		08/26/25 07:34	09/05/25 05:04	1
p-Dimethylamino azobenzene	<2.29		10.4	2.29	ug/L		08/26/25 07:34	09/05/25 05:04	1
Pentachlorobenzene	<2.92		10.4	2.92	ug/L		08/26/25 07:34	09/05/25 05:04	1
Pentachloronitrobenzene	<6.04		10.4	6.04	ug/L		08/26/25 07:34	09/05/25 05:04	1
Pentachlorophenol	<10.0		10.4	10.0	ug/L		08/26/25 07:34	09/05/25 05:04	1
Phenacetin	<1.98		10.4	1.98	ug/L		08/26/25 07:34	09/05/25 05:04	1
Phenanthrene	<0.823		10.4	0.823	ug/L		08/26/25 07:34	09/05/25 05:04	1
Phenol	<1.15		10.4	1.15	ug/L		08/26/25 07:34	09/05/25 05:04	1
Phorate	<3.33		10.4	3.33	ug/L		08/26/25 07:34	09/05/25 05:04	1
Pronamide	<2.81		10.4	2.81	ug/L		08/26/25 07:34	09/05/25 05:04	1
Pyrene	<0.823		10.4	0.823	ug/L		08/26/25 07:34	09/05/25 05:04	1
Safrole	<2.92		10.4	2.92	ug/L		08/26/25 07:34	09/05/25 05:04	1
Thionazin	<3.65		10.4	3.65	ug/L		08/26/25 07:34	09/05/25 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*57*		*21 - 110*	*08/26/25 07:34*	*09/05/25 05:04*	*1*
Phenol-d5 (Surr)	*47*		*21 - 110*	*08/26/25 07:34*	*09/05/25 05:04*	*1*
Nitrobenzene-d5 (Surr)	*78*		*39 - 140*	*08/26/25 07:34*	*09/05/25 05:04*	*1*
2-Fluorobiphenyl (Surr)	*79*		*33 - 126*	*08/26/25 07:34*	*09/05/25 05:04*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*20 - 144*	*08/26/25 07:34*	*09/05/25 05:04*	*1*
Terphenyl-d14 (Surr)	*94*		*13 - 150*	*08/26/25 07:34*	*09/05/25 05:04*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/22/25 14:32	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/22/25 14:32	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0240		0.0962	0.0240	ug/L		08/25/25 13:33	09/03/25 14:20	1
4,4'-DDE	<0.0288		0.0962	0.0288	ug/L		08/25/25 13:33	09/03/25 14:20	1
4,4'-DDT	<0.0192		0.0962	0.0192	ug/L		08/25/25 13:33	09/03/25 14:20	1
Aldrin	<0.0212		0.0962	0.0212	ug/L		08/25/25 13:33	09/03/25 14:20	1

Client Sample ID: MW-35_25_08
Date Collected: 08/19/25 17:15
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-12
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00962		0.0962	0.00962	ug/L		08/25/25 13:33	09/03/25 14:20	1
beta-BHC	<0.0404		0.0962	0.0404	ug/L		08/25/25 13:33	09/03/25 14:20	1
Chlordane (technical)	<0.375		1.92	0.375	ug/L		08/25/25 13:33	09/03/25 14:20	1
delta-BHC	<0.0308		0.0962	0.0308	ug/L		08/25/25 13:33	09/03/25 14:20	1
Dieldrin	<0.0202		0.0962	0.0202	ug/L		08/25/25 13:33	09/03/25 14:20	1
Endosulfan I	<0.0269		0.0962	0.0269	ug/L		08/25/25 13:33	09/03/25 14:20	1
Endosulfan II	<0.0250		0.0962	0.0250	ug/L		08/25/25 13:33	09/03/25 14:20	1
Endosulfan sulfate	<0.0173		0.0962	0.0173	ug/L		08/25/25 13:33	09/03/25 14:20	1
Endrin	<0.0269		0.0962	0.0269	ug/L		08/25/25 13:33	09/03/25 14:20	1
Endrin aldehyde	<0.0260		0.0962	0.0260	ug/L		08/25/25 13:33	09/03/25 14:20	1
gamma-BHC (Lindane)	<0.00962		0.0962	0.00962	ug/L		08/25/25 13:33	09/03/25 14:20	1
Heptachlor	<0.0221		0.0962	0.0221	ug/L		08/25/25 13:33	09/03/25 14:20	1
Heptachlor epoxide	<0.0308		0.0962	0.0308	ug/L		08/25/25 13:33	09/03/25 14:20	1
Methoxychlor	<0.0308		0.0962	0.0308	ug/L		08/25/25 13:33	09/03/25 14:20	1
Toxaphene	<0.962		1.92	0.962	ug/L		08/25/25 13:33	09/03/25 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*10 - 150*	*08/25/25 13:33*	*09/03/25 14:20*	*1*
Tetrachloro-m-xylene	*92*		*17 - 150*	*08/25/25 13:33*	*09/03/25 14:20*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.738		1.80	0.738	ug/L		08/22/25 12:03	08/27/25 12:00	1
PCB-1221	<0.738		1.80	0.738	ug/L		08/22/25 12:03	08/27/25 12:00	1
PCB-1232	<0.738		1.80	0.738	ug/L		08/22/25 12:03	08/27/25 12:00	1
PCB-1242	<0.738		1.80	0.738	ug/L		08/22/25 12:03	08/27/25 12:00	1
PCB-1248	<0.621		1.80	0.621	ug/L		08/22/25 12:03	08/27/25 12:00	1
PCB-1254	<0.621		1.80	0.621	ug/L		08/22/25 12:03	08/27/25 12:00	1
PCB-1260	<0.621		1.80	0.621	ug/L		08/22/25 12:03	08/27/25 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*10 - 150*	*08/22/25 12:03*	*08/27/25 12:00*	*1*
Tetrachloro-m-xylene	*126*		*17 - 150*	*08/22/25 12:03*	*08/27/25 12:00*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.138		1.09	0.138	ug/L		08/25/25 07:17	08/25/25 22:54	1
Silvex (2,4,5-TP)	<0.115	*+	1.09	0.115	ug/L		08/25/25 07:17	08/25/25 22:54	1
2,4,5-T	<0.153		1.09	0.153	ug/L		08/25/25 07:17	08/25/25 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*94*		*25 - 130*	*08/25/25 07:17*	*08/25/25 22:54*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 13:09	1
Arsenic	**0.00431**		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 13:09	1
Barium	**0.156**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 13:09	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 13:09	1
Cadmium	**0.000148**	**J**	0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 13:09	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 13:09	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-35_25_08
Date Collected: 08/19/25 17:15
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-12
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00480**		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 13:09	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 13:09	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 13:09	1
Nickel	**0.0243**		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 13:09	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 13:09	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 13:09	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 13:09	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/22/25 09:00	08/27/25 13:09	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 13:09	1
Zinc	**0.0256**		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 13:09	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/27/25 12:30	08/28/25 10:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/22/25 10:48	08/22/25 19:39	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/25/25 18:13	08/26/25 04:57	1
Total Suspended Solids (USGS I-3765-85)	**5.13**		1.88	1.31	mg/L			08/22/25 11:28	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-36_25_08
Date Collected: 08/19/25 16:25
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 18:19	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 18:19	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 18:19	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 18:19	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 18:19	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 18:19	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/21/25 18:19	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 18:19	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/21/25 18:19	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 18:19	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 18:19	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 18:19	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 18:19	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 18:19	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/21/25 18:19	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/21/25 18:19	1
1,4-Dichlorobenzene	**1.39**		1.00	0.230	ug/L			08/21/25 18:19	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/21/25 18:19	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 18:19	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 18:19	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 18:19	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 18:19	1
Acrolein	<3.60		10.0	3.60	ug/L			08/21/25 18:19	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 18:19	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/21/25 18:19	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 18:19	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 18:19	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 18:19	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 18:19	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 18:19	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 18:19	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 18:19	1
Chlorobenzene	**5.45**		1.00	0.400	ug/L			08/21/25 18:19	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 18:19	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 18:19	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 18:19	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 18:19	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/21/25 18:19	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 18:19	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 18:19	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 18:19	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/21/25 18:19	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/21/25 18:19	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 18:19	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 18:19	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/21/25 18:19	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/21/25 18:19	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/21/25 18:19	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/21/25 18:19	1

Client Sample ID: MW-36_25_08
Date Collected: 08/19/25 16:25
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/21/25 18:19	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/21/25 18:19	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/21/25 18:19	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 18:19	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 18:19	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 18:19	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 18:19	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 18:19	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 18:19	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 18:19	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 18:19	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 18:19	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 18:19	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*76 - 130*		*08/21/25 18:19*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/21/25 18:19*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/21/25 18:19*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.540		10.0	0.540	ug/L		08/26/25 07:34	09/05/25 05:30	1
1,3,5-Trinitrobenzene	<2.30		10.0	2.30	ug/L		08/26/25 07:34	09/05/25 05:30	1
1,3-Dinitrobenzene	<3.20		10.0	3.20	ug/L		08/26/25 07:34	09/05/25 05:30	1
1,4-Naphthoquinone	<3.60		10.0	3.60	ug/L		08/26/25 07:34	09/05/25 05:30	1
1,4-phenylenediamine	<1.90	*- *1	10.0	1.90	ug/L		08/26/25 07:34	09/05/25 05:30	1
1-Naphthylamine	<2.50		10.0	2.50	ug/L		08/26/25 07:34	09/05/25 05:30	1
2,3,4,6-Tetrachlorophenol	<5.30		10.0	5.30	ug/L		08/26/25 07:34	09/05/25 05:30	1
2,4,5-Trichlorophenol	<5.30		10.0	5.30	ug/L		08/26/25 07:34	09/05/25 05:30	1
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		08/26/25 07:34	09/05/25 05:30	1
2,4-Dichlorophenol	<0.850		10.0	0.850	ug/L		08/26/25 07:34	09/05/25 05:30	1
2,4-Dimethylphenol	<0.580		10.0	0.580	ug/L		08/26/25 07:34	09/05/25 05:30	1
2,4-Dinitrophenol	<13.0		20.0	13.0	ug/L		08/26/25 07:34	09/05/25 05:30	1
2,4-Dinitrotoluene	<6.40		10.0	6.40	ug/L		08/26/25 07:34	09/05/25 05:30	1
2,6-Dichlorophenol	<0.690		10.0	0.690	ug/L		08/26/25 07:34	09/05/25 05:30	1
2,6-Dinitrotoluene	<0.520		10.0	0.520	ug/L		08/26/25 07:34	09/05/25 05:30	1
2-Acetylaminofluorene	<2.70		10.0	2.70	ug/L		08/26/25 07:34	09/05/25 05:30	1
2-Chloronaphthalene	<0.640		10.0	0.640	ug/L		08/26/25 07:34	09/05/25 05:30	1
2-Chlorophenol	<0.540		10.0	0.540	ug/L		08/26/25 07:34	09/05/25 05:30	1
2-Methylnaphthalene	<0.590		10.0	0.590	ug/L		08/26/25 07:34	09/05/25 05:30	1
2-Methylphenol	<0.650		10.0	0.650	ug/L		08/26/25 07:34	09/05/25 05:30	1
2-Naphthylamine	<2.10		10.0	2.10	ug/L		08/26/25 07:34	09/05/25 05:30	1
2-Nitroaniline	<5.90		10.0	5.90	ug/L		08/26/25 07:34	09/05/25 05:30	1
2-Nitrophenol	<6.80		10.0	6.80	ug/L		08/26/25 07:34	09/05/25 05:30	1
3,3'-Dichlorobenzidine	<1.40		10.0	1.40	ug/L		08/26/25 07:34	09/05/25 05:30	1
3,3'-Dimethylbenzidine	<1.50		10.0	1.50	ug/L		08/26/25 07:34	09/05/25 05:30	1
3-Methylcholanthrene	<0.320		10.0	0.320	ug/L		08/26/25 07:34	09/05/25 05:30	1
3-Nitroaniline	<2.70		10.0	2.70	ug/L		08/26/25 07:34	09/05/25 05:30	1
4,6-Dinitro-2-methylphenol	<6.90		10.0	6.90	ug/L		08/26/25 07:34	09/05/25 05:30	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-36_25_08
Date Collected: 08/19/25 16:25
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-13
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.20		10.0	2.20	ug/L		08/26/25 07:34	09/05/25 05:30	1
4-Bromophenyl phenyl ether	<0.700		10.0	0.700	ug/L		08/26/25 07:34	09/05/25 05:30	1
4-Chloro-3-methylphenol	<0.840		10.0	0.840	ug/L		08/26/25 07:34	09/05/25 05:30	1
4-Chloroaniline	<0.620		10.0	0.620	ug/L		08/26/25 07:34	09/05/25 05:30	1
4-Chlorophenyl phenyl ether	<0.690		10.0	0.690	ug/L		08/26/25 07:34	09/05/25 05:30	1
Methylphenol, 3 & 4	<0.700		10.0	0.700	ug/L		08/26/25 07:34	09/05/25 05:30	1
4-Nitroaniline	<1.30		10.0	1.30	ug/L		08/26/25 07:34	09/05/25 05:30	1
4-Nitrophenol	<7.60		10.0	7.60	ug/L		08/26/25 07:34	09/05/25 05:30	1
5-Nitro-o-toluidine	<2.80		10.0	2.80	ug/L		08/26/25 07:34	09/05/25 05:30	1
7,12-Dimethylbenz(a)anthracene	<1.90		10.0	1.90	ug/L		08/26/25 07:34	09/05/25 05:30	1
Acenaphthene	<0.640		10.0	0.640	ug/L		08/26/25 07:34	09/05/25 05:30	1
Acenaphthylene	<0.720		10.0	0.720	ug/L		08/26/25 07:34	09/05/25 05:30	1
Acetophenone	<0.690		10.0	0.690	ug/L		08/26/25 07:34	09/05/25 05:30	1
Anthracene	<0.870		10.0	0.870	ug/L		08/26/25 07:34	09/05/25 05:30	1
Benzo[a]anthracene	<0.850		10.0	0.850	ug/L		08/26/25 07:34	09/05/25 05:30	1
Benzo[a]pyrene	<8.10		10.0	8.10	ug/L		08/26/25 07:34	08/29/25 23:40	1
Benzo[b]fluoranthene	<4.90		10.0	4.90	ug/L		08/26/25 07:34	09/05/25 05:30	1
Benzo[g,h,i]perylene	<6.30		10.0	6.30	ug/L		08/26/25 07:34	09/05/25 05:30	1
Benzo[k]fluoranthene	<2.20		10.0	2.20	ug/L		08/26/25 07:34	09/05/25 05:30	1
Benzyl alcohol	<1.30		10.0	1.30	ug/L		08/26/25 07:34	09/05/25 05:30	1
Bis(2-chloroethoxy)methane	<0.760		10.0	0.760	ug/L		08/26/25 07:34	09/05/25 05:30	1
Bis(2-chloroethyl)ether	<0.820		10.0	0.820	ug/L		08/26/25 07:34	09/05/25 05:30	1
2,2'-oxybis[1-chloropropane]	<0.540		10.0	0.540	ug/L		08/26/25 07:34	09/05/25 05:30	1
Bis(2-ethylhexyl) phthalate	<5.50		10.0	5.50	ug/L		08/26/25 07:34	09/05/25 05:30	1
Butyl benzyl phthalate	<5.40		10.0	5.40	ug/L		08/26/25 07:34	09/05/25 05:30	1
Chlorobenzilate	<3.60		10.0	3.60	ug/L		08/26/25 07:34	09/05/25 05:30	1
Chrysene	<0.870		10.0	0.870	ug/L		08/26/25 07:34	09/05/25 05:30	1
Diallate	<4.00	*+	10.0	4.00	ug/L		08/26/25 07:34	09/05/25 05:30	1
Dibenzo(a,h)anthracene	<3.90		10.0	3.90	ug/L		08/26/25 07:34	08/29/25 23:40	1
Dibenzofuran	<0.740		10.0	0.740	ug/L		08/26/25 07:34	09/05/25 05:30	1
Diethyl phthalate	<1.70		10.0	1.70	ug/L		08/26/25 07:34	09/05/25 05:30	1
Dimethoate	<3.60		10.0	3.60	ug/L		08/26/25 07:34	09/05/25 05:30	1
Dimethyl phthalate	<1.00		10.0	1.00	ug/L		08/26/25 07:34	09/05/25 05:30	1
Di-n-butyl phthalate	<5.60		10.0	5.60	ug/L		08/26/25 07:34	09/05/25 05:30	1
Di-n-octyl phthalate	<7.00		20.0	7.00	ug/L		08/26/25 07:34	09/05/25 05:30	1
Dinoseb	<2.40		10.0	2.40	ug/L		08/26/25 07:34	09/05/25 05:30	1
Diphenylamine	<6.00		10.0	6.00	ug/L		08/26/25 07:34	09/05/25 05:30	1
Disulfoton	<2.40		10.0	2.40	ug/L		08/26/25 07:34	09/05/25 05:30	1
Ethyl methanesulfonate	<3.60		10.0	3.60	ug/L		08/26/25 07:34	09/05/25 05:30	1
Ethyl Parathion	<2.20		10.0	2.20	ug/L		08/26/25 07:34	09/05/25 05:30	1
Famphur	<3.80	*+	10.0	3.80	ug/L		08/26/25 07:34	09/05/25 05:30	1
Fluoranthene	<1.70		10.0	1.70	ug/L		08/26/25 07:34	09/05/25 05:30	1
Fluorene	<0.790		10.0	0.790	ug/L		08/26/25 07:34	09/05/25 05:30	1
Hexachlorobenzene	<0.700		10.0	0.700	ug/L		08/26/25 07:34	09/05/25 05:30	1
Hexachlorobutadiene	<0.860		10.0	0.860	ug/L		08/26/25 07:34	09/05/25 05:30	1
Hexachlorocyclopentadiene	<5.10		10.0	5.10	ug/L		08/26/25 07:34	09/05/25 05:30	1
Hexachloroethane	<0.970		10.0	0.970	ug/L		08/26/25 07:34	09/05/25 05:30	1
Hexachloropropene	<2.60		10.0	2.60	ug/L		08/26/25 07:34	09/05/25 05:30	1
Indeno[1,2,3-cd]pyrene	<4.20		10.0	4.20	ug/L		08/26/25 07:34	08/29/25 23:40	1

Client Sample ID: MW-36_25_08
Date Collected: 08/19/25 16:25
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-13
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.70		10.0	4.70	ug/L		08/26/25 07:34	09/05/25 05:30	1
Isophorone	<0.930		10.0	0.930	ug/L		08/26/25 07:34	09/05/25 05:30	1
Isosafrole	<2.30		10.0	2.30	ug/L		08/26/25 07:34	09/05/25 05:30	1
Kepone	<1.00	*+ *1	10.0	1.00	ug/L		08/26/25 07:34	09/05/25 05:30	1
Methapyrilene	<0.760		10.0	0.760	ug/L		08/26/25 07:34	09/05/25 05:30	1
Methyl methanesulfonate	<3.30		10.0	3.30	ug/L		08/26/25 07:34	09/05/25 05:30	1
Methyl parathion	<2.30		10.0	2.30	ug/L		08/26/25 07:34	09/05/25 05:30	1
Nitrobenzene	<0.800		10.0	0.800	ug/L		08/26/25 07:34	09/05/25 05:30	1
N-Nitrosodiethylamine	<3.40		10.0	3.40	ug/L		08/26/25 07:34	09/05/25 05:30	1
N-Nitrosodimethylamine	<0.720		10.0	0.720	ug/L		08/26/25 07:34	09/05/25 05:30	1
N-Nitrosodi-n-butylamine	<3.90		10.0	3.90	ug/L		08/26/25 07:34	09/05/25 05:30	1
N-Nitrosodi-n-propylamine	<0.920		10.0	0.920	ug/L		08/26/25 07:34	09/05/25 05:30	1
N-Nitrosodiphenylamine	<0.750		10.0	0.750	ug/L		08/26/25 07:34	09/05/25 05:30	1
N-Nitrosomethylethylamine	<4.90		10.0	4.90	ug/L		08/26/25 07:34	09/05/25 05:30	1
N-Nitrosopiperidine	<2.70		10.0	2.70	ug/L		08/26/25 07:34	09/05/25 05:30	1
N-Nitrosopyrrolidine	<3.60		10.0	3.60	ug/L		08/26/25 07:34	09/05/25 05:30	1
o,o',o''-Triethylphosphorothioate	<3.20		10.0	3.20	ug/L		08/26/25 07:34	09/05/25 05:30	1
o-Toluidine	<2.90		10.0	2.90	ug/L		08/26/25 07:34	09/05/25 05:30	1
p-Dimethylamino azobenzene	<2.20		10.0	2.20	ug/L		08/26/25 07:34	09/05/25 05:30	1
Pentachlorobenzene	<2.80		10.0	2.80	ug/L		08/26/25 07:34	09/05/25 05:30	1
Pentachloronitrobenzene	<5.80		10.0	5.80	ug/L		08/26/25 07:34	09/05/25 05:30	1
Pentachlorophenol	<9.60		10.0	9.60	ug/L		08/26/25 07:34	09/05/25 05:30	1
Phenacetin	<1.90		10.0	1.90	ug/L		08/26/25 07:34	09/05/25 05:30	1
Phenanthrene	<0.790		10.0	0.790	ug/L		08/26/25 07:34	09/05/25 05:30	1
Phenol	<1.10		10.0	1.10	ug/L		08/26/25 07:34	09/05/25 05:30	1
Phorate	<3.20		10.0	3.20	ug/L		08/26/25 07:34	09/05/25 05:30	1
Pronamide	<2.70		10.0	2.70	ug/L		08/26/25 07:34	09/05/25 05:30	1
Pyrene	<0.790		10.0	0.790	ug/L		08/26/25 07:34	09/05/25 05:30	1
Safrole	<2.80		10.0	2.80	ug/L		08/26/25 07:34	09/05/25 05:30	1
Thionazin	<3.50		10.0	3.50	ug/L		08/26/25 07:34	09/05/25 05:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*58*		*21 - 110*	*08/26/25 07:34*	*09/05/25 05:30*	*1*
Phenol-d5 (Surr)	*48*		*21 - 110*	*08/26/25 07:34*	*09/05/25 05:30*	*1*
Nitrobenzene-d5 (Surr)	*81*		*39 - 140*	*08/26/25 07:34*	*09/05/25 05:30*	*1*
2-Fluorobiphenyl (Surr)	*85*		*33 - 126*	*08/26/25 07:34*	*09/05/25 05:30*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*20 - 144*	*08/26/25 07:34*	*09/05/25 05:30*	*1*
Terphenyl-d14 (Surr)	*97*		*13 - 150*	*08/26/25 07:34*	*09/05/25 05:30*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/22/25 14:53	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/22/25 14:53	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0239		0.0956	0.0239	ug/L		08/25/25 13:33	09/03/25 14:33	1
4,4'-DDE	<0.0287		0.0956	0.0287	ug/L		08/25/25 13:33	09/03/25 14:33	1
4,4'-DDT	<0.0191		0.0956	0.0191	ug/L		08/25/25 13:33	09/03/25 14:33	1
Aldrin	<0.0210		0.0956	0.0210	ug/L		08/25/25 13:33	09/03/25 14:33	1

Client Sample ID: MW-36_25_08
Date Collected: 08/19/25 16:25
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-13
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00956		0.0956	0.00956	ug/L		08/25/25 13:33	09/03/25 14:33	1
beta-BHC	<0.0402		0.0956	0.0402	ug/L		08/25/25 13:33	09/03/25 14:33	1
Chlordane (technical)	<0.373		1.91	0.373	ug/L		08/25/25 13:33	09/03/25 14:33	1
delta-BHC	<0.0306		0.0956	0.0306	ug/L		08/25/25 13:33	09/03/25 14:33	1
Dieldrin	<0.0201		0.0956	0.0201	ug/L		08/25/25 13:33	09/03/25 14:33	1
Endosulfan I	<0.0268		0.0956	0.0268	ug/L		08/25/25 13:33	09/03/25 14:33	1
Endosulfan II	<0.0249		0.0956	0.0249	ug/L		08/25/25 13:33	09/03/25 14:33	1
Endosulfan sulfate	<0.0172		0.0956	0.0172	ug/L		08/25/25 13:33	09/03/25 14:33	1
Endrin	<0.0268		0.0956	0.0268	ug/L		08/25/25 13:33	09/03/25 14:33	1
Endrin aldehyde	<0.0258		0.0956	0.0258	ug/L		08/25/25 13:33	09/03/25 14:33	1
gamma-BHC (Lindane)	<0.00956		0.0956	0.00956	ug/L		08/25/25 13:33	09/03/25 14:33	1
Heptachlor	<0.0220		0.0956	0.0220	ug/L		08/25/25 13:33	09/03/25 14:33	1
Heptachlor epoxide	<0.0306		0.0956	0.0306	ug/L		08/25/25 13:33	09/03/25 14:33	1
Methoxychlor	<0.0306		0.0956	0.0306	ug/L		08/25/25 13:33	09/03/25 14:33	1
Toxaphene	<0.956		1.91	0.956	ug/L		08/25/25 13:33	09/03/25 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*10 - 150*	*08/25/25 13:33*	*09/03/25 14:33*	*1*
Tetrachloro-m-xylene	*93*		*17 - 150*	*08/25/25 13:33*	*09/03/25 14:33*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.728		1.78	0.728	ug/L		08/22/25 12:03	08/27/25 12:13	1
PCB-1221	<0.728		1.78	0.728	ug/L		08/22/25 12:03	08/27/25 12:13	1
PCB-1232	<0.728		1.78	0.728	ug/L		08/22/25 12:03	08/27/25 12:13	1
PCB-1242	<0.728		1.78	0.728	ug/L		08/22/25 12:03	08/27/25 12:13	1
PCB-1248	<0.613		1.78	0.613	ug/L		08/22/25 12:03	08/27/25 12:13	1
PCB-1254	<0.613		1.78	0.613	ug/L		08/22/25 12:03	08/27/25 12:13	1
PCB-1260	<0.613		1.78	0.613	ug/L		08/22/25 12:03	08/27/25 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*132*		*10 - 150*	*08/22/25 12:03*	*08/27/25 12:13*	*1*
Tetrachloro-m-xylene	*139*		*17 - 150*	*08/22/25 12:03*	*08/27/25 12:13*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.128		1.01	0.128	ug/L		08/25/25 07:17	08/25/25 23:12	1
Silvex (2,4,5-TP)	<0.106	*+	1.01	0.106	ug/L		08/25/25 07:17	08/25/25 23:12	1
2,4,5-T	<0.142		1.01	0.142	ug/L		08/25/25 07:17	08/25/25 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*102*		*25 - 130*	*08/25/25 07:17*	*08/25/25 23:12*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 13:12	1
Arsenic	**0.0532**		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 13:12	1
Barium	**0.610**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 13:12	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 13:12	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 13:12	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 13:12	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-36_25_08

Date Collected: 08/19/25 16:25
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-13

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00131**		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 13:12	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 13:12	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 13:12	1
Nickel	**0.00856**		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 13:12	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 13:12	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 13:12	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 13:12	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/22/25 09:00	08/27/25 13:12	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 13:12	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 13:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/27/25 12:30	08/28/25 10:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/22/25 10:48	08/22/25 19:40	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/25/25 18:16	08/26/25 05:06	1
Total Suspended Solids (USGS I-3765-85)	**20.3**		5.00	3.50	mg/L			08/22/25 11:28	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-102B_25_08
Date Collected: 08/18/25 14:10
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-14
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 18:42	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 18:42	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 18:42	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 18:42	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 18:42	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 18:42	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 18:42	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 18:42	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 18:42	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 18:42	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 18:42	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 18:42	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 18:42	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 18:42	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 18:42	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 18:42	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 18:42	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 18:42	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 18:42	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 18:42	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 18:42	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 18:42	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 18:42	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 18:42	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 18:42	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 18:42	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 18:42	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 18:42	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 18:42	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 18:42	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 18:42	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 18:42	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 18:42	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 18:42	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 18:42	1
Methylene chloride	<1.70		5.00	1.70	ug/L			08/21/25 18:42	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 18:42	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 18:42	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 18:42	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 18:42	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 18:42	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 18:42	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 18:42	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 18:42	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 18:42	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 18:42	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*76 - 130*		*08/21/25 18:42*	*1*

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-102B_25_08
Date Collected: 08/18/25 14:10
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-14
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/21/25 18:42*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/21/25 18:42*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 13:15	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 13:15	1
Barium	**0.123**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 13:15	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 13:15	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 13:15	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 13:15	1
Cobalt	**0.00159**		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 13:15	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 13:15	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 13:15	1
Nickel	**0.00255**	**J**	0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 13:15	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 13:15	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 13:15	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 13:15	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 13:15	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 13:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.31		1.88	1.31	mg/L			08/21/25 12:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-106A_25_08
Date Collected: 08/18/25 16:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-15
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 19:05	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 19:05	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 19:05	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 19:05	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 19:05	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 19:05	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 19:05	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 19:05	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 19:05	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 19:05	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 19:05	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 19:05	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 19:05	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 19:05	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 19:05	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 19:05	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 19:05	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 19:05	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 19:05	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 19:05	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 19:05	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 19:05	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 19:05	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 19:05	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 19:05	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 19:05	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 19:05	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 19:05	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 19:05	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 19:05	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 19:05	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 19:05	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 19:05	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 19:05	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 19:05	1
Methylene chloride	<1.70		5.00	1.70	ug/L			08/21/25 19:05	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 19:05	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 19:05	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 19:05	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 19:05	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 19:05	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 19:05	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 19:05	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 19:05	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 19:05	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 19:05	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*76 - 130*		*08/21/25 19:05*	*1*

Client Sample ID: MW-106A_25_08
Date Collected: 08/18/25 16:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-15
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/21/25 19:05*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/21/25 19:05*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 13:18	1
Arsenic	**0.0243**		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 13:18	1
Barium	**0.311**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 13:18	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 13:18	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 13:18	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 13:18	1
Cobalt	**0.0253**		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 13:18	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 13:18	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 13:18	1
Nickel	**0.0434**		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 13:18	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 13:18	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 13:18	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 13:18	1
Vanadium	**0.00181**	**J**	0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 13:18	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 13:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**44.0**		15.0	10.5	mg/L			08/21/25 12:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-107A_25_08
Date Collected: 08/18/25 11:40
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-16
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 19:27	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 19:27	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 19:27	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 19:27	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 19:27	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 19:27	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 19:27	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 19:27	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 19:27	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 19:27	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 19:27	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 19:27	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 19:27	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 19:27	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 19:27	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 19:27	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 19:27	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 19:27	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 19:27	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 19:27	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 19:27	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 19:27	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 19:27	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 19:27	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 19:27	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 19:27	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 19:27	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 19:27	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 19:27	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 19:27	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 19:27	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 19:27	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 19:27	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 19:27	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 19:27	1
Methylene chloride	<1.70		5.00	1.70	ug/L			08/21/25 19:27	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 19:27	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 19:27	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 19:27	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 19:27	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 19:27	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 19:27	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 19:27	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 19:27	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 19:27	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 19:27	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*76 - 130*		*08/21/25 19:27*	*1*

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-107A_25_08
Date Collected: 08/18/25 11:40
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-16
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/21/25 19:27*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/21/25 19:27*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 13:21	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 13:21	1
Barium	**0.164**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 13:21	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 13:21	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 13:21	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 13:21	1
Cobalt	**0.000202**	**J**	0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 13:21	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 13:21	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 13:21	1
Nickel	**0.00393**	**J**	0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 13:21	1
Selenium	**0.00352**	**J**	0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 13:21	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 13:21	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 13:21	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 13:21	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.31		1.88	1.31	mg/L			08/21/25 12:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-107B_25_08
Date Collected: 08/18/25 11:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-17
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 19:50	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 19:50	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 19:50	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 19:50	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 19:50	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 19:50	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 19:50	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 19:50	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 19:50	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 19:50	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 19:50	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 19:50	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 19:50	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 19:50	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 19:50	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 19:50	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 19:50	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 19:50	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 19:50	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 19:50	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 19:50	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 19:50	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 19:50	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 19:50	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 19:50	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 19:50	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 19:50	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 19:50	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 19:50	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 19:50	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 19:50	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 19:50	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 19:50	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 19:50	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 19:50	1
Methylene chloride	<1.70		5.00	1.70	ug/L			08/21/25 19:50	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 19:50	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 19:50	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 19:50	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 19:50	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 19:50	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 19:50	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 19:50	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 19:50	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 19:50	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 19:50	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*76 - 130*		*08/21/25 19:50*	*1*

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-107B_25_08
Date Collected: 08/18/25 11:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-17
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/21/25 19:50*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/21/25 19:50*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 13:29	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 13:29	1
Barium	**0.275**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 13:29	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 13:29	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 13:29	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 13:29	1
Cobalt	**0.00138**		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 13:29	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 13:29	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 13:29	1
Nickel	**0.00993**		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 13:29	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 13:29	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 13:29	1
Thallium	**0.00168**		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 13:29	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 13:29	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 13:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**3.87**		1.88	1.31	mg/L			08/21/25 12:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-108B_25_08
Date Collected: 08/18/25 14:50
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-18
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 20:13	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 20:13	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 20:13	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 20:13	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 20:13	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 20:13	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 20:13	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 20:13	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 20:13	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 20:13	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 20:13	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 20:13	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 20:13	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 20:13	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 20:13	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 20:13	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 20:13	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 20:13	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 20:13	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 20:13	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 20:13	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 20:13	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 20:13	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 20:13	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 20:13	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 20:13	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 20:13	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 20:13	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 20:13	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 20:13	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 20:13	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 20:13	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 20:13	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 20:13	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 20:13	1
Methylene chloride	<1.70		5.00	1.70	ug/L			08/21/25 20:13	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 20:13	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 20:13	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 20:13	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 20:13	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 20:13	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 20:13	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 20:13	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 20:13	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 20:13	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 20:13	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*76 - 130*		*08/21/25 20:13*	*1*

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-108B_25_08

Date Collected: 08/18/25 14:50
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-18

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/21/25 20:13*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/21/25 20:13*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 13:32	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 13:32	1
Barium	**0.192**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 13:32	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 13:32	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 13:32	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 13:32	1
Cobalt	**0.00437**		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 13:32	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 13:32	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 13:32	1
Nickel	**0.00754**		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 13:32	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 13:32	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 13:32	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 13:32	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 13:32	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 13:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2.88**		1.88	1.31	mg/L			08/21/25 12:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: FD-2_25_08
Date Collected: 08/18/25 00:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-19
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 20:36	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 20:36	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 20:36	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 20:36	1
1,1-Dichloroethane	**9.97**		1.00	0.220	ug/L			08/21/25 20:36	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 20:36	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/21/25 20:36	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 20:36	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/21/25 20:36	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 20:36	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 20:36	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 20:36	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 20:36	1
1,2-Dichloropropane	**0.338**	**J**	1.00	0.270	ug/L			08/21/25 20:36	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/21/25 20:36	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/21/25 20:36	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 20:36	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/21/25 20:36	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 20:36	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 20:36	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 20:36	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 20:36	1
Acrolein	<3.60		10.0	3.60	ug/L			08/21/25 20:36	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 20:36	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/21/25 20:36	1
Benzene	**1.20**		0.500	0.220	ug/L			08/21/25 20:36	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 20:36	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 20:36	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 20:36	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 20:36	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 20:36	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 20:36	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 20:36	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 20:36	1
Chloroethane	**7.72**		4.00	0.790	ug/L			08/21/25 20:36	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 20:36	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 20:36	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/21/25 20:36	1
cis-1,2-Dichloroethene	**6.06**		1.00	0.210	ug/L			08/21/25 20:36	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 20:36	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 20:36	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/21/25 20:36	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/21/25 20:36	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 20:36	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 20:36	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/21/25 20:36	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/21/25 20:36	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/21/25 20:36	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/21/25 20:36	1

Client Sample ID: FD-2_25_08
Date Collected: 08/18/25 00:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-19
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/21/25 20:36	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/21/25 20:36	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/21/25 20:36	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 20:36	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 20:36	1
Toluene	**0.605**	**J**	1.00	0.430	ug/L			08/21/25 20:36	1
trans-1,2-Dichloroethene	**0.694**	**J**	1.00	0.270	ug/L			08/21/25 20:36	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 20:36	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 20:36	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 20:36	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 20:36	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 20:36	1
Vinyl chloride	**0.861**	**J**	1.00	0.180	ug/L			08/21/25 20:36	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*76 - 130*		*08/21/25 20:36*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/21/25 20:36*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*08/21/25 20:36*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.563	*1	10.4	0.563	ug/L		08/22/25 08:55	09/05/25 01:07	1
1,3,5-Trinitrobenzene	<2.40	*1	10.4	2.40	ug/L		08/22/25 08:55	09/05/25 01:07	1
1,3-Dinitrobenzene	<3.33	*1	10.4	3.33	ug/L		08/22/25 08:55	09/05/25 01:07	1
1,4-Naphthoquinone	<3.75	*1	10.4	3.75	ug/L		08/22/25 08:55	09/05/25 01:07	1
1,4-phenylenediamine	<1.98	*- *1	10.4	1.98	ug/L		08/22/25 08:55	09/05/25 01:07	1
1-Naphthylamine	<2.60		10.4	2.60	ug/L		08/22/25 08:55	09/05/25 01:07	1
2,3,4,6-Tetrachlorophenol	<5.52	*1	10.4	5.52	ug/L		08/22/25 08:55	09/05/25 01:07	1
2,4,5-Trichlorophenol	<5.52	*1	10.4	5.52	ug/L		08/22/25 08:55	09/05/25 01:07	1
2,4,6-Trichlorophenol	<5.21	*1	10.4	5.21	ug/L		08/22/25 08:55	09/05/25 01:07	1
2,4-Dichlorophenol	<0.885	*1	10.4	0.885	ug/L		08/22/25 08:55	09/05/25 01:07	1
2,4-Dimethylphenol	<0.604	*1	10.4	0.604	ug/L		08/22/25 08:55	09/05/25 01:07	1
2,4-Dinitrophenol	<13.5		20.8	13.5	ug/L		08/22/25 08:55	09/05/25 01:07	1
2,4-Dinitrotoluene	<6.67	*1	10.4	6.67	ug/L		08/22/25 08:55	09/05/25 01:07	1
2,6-Dichlorophenol	<0.719	*1	10.4	0.719	ug/L		08/22/25 08:55	09/05/25 01:07	1
2,6-Dinitrotoluene	<0.542	*1	10.4	0.542	ug/L		08/22/25 08:55	09/05/25 01:07	1
2-Acetylaminofluorene	<2.81	*1	10.4	2.81	ug/L		08/22/25 08:55	09/05/25 01:07	1
2-Chloronaphthalene	<0.667	*1	10.4	0.667	ug/L		08/22/25 08:55	09/05/25 01:07	1
2-Chlorophenol	<0.563	*1	10.4	0.563	ug/L		08/22/25 08:55	09/05/25 01:07	1
2-Methylnaphthalene	<0.615	*1	10.4	0.615	ug/L		08/22/25 08:55	09/05/25 01:07	1
2-Methylphenol	<0.677	*1	10.4	0.677	ug/L		08/22/25 08:55	09/05/25 01:07	1
2-Naphthylamine	<2.19		10.4	2.19	ug/L		08/22/25 08:55	09/05/25 01:07	1
2-Nitroaniline	<6.15	*1	10.4	6.15	ug/L		08/22/25 08:55	09/05/25 01:07	1
2-Nitrophenol	<7.08	*1	10.4	7.08	ug/L		08/22/25 08:55	09/05/25 01:07	1
3,3'-Dichlorobenzidine	<1.46		10.4	1.46	ug/L		08/22/25 08:55	09/05/25 01:07	1
3,3'-Dimethylbenzidine	<1.56	*1	10.4	1.56	ug/L		08/22/25 08:55	09/05/25 01:07	1
3-Methylcholanthrene	<0.333		10.4	0.333	ug/L		08/22/25 08:55	09/05/25 01:07	1
3-Nitroaniline	<2.81	*1	10.4	2.81	ug/L		08/22/25 08:55	09/05/25 01:07	1
4,6-Dinitro-2-methylphenol	<7.19		10.4	7.19	ug/L		08/22/25 08:55	09/05/25 01:07	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: FD-2_25_08
Date Collected: 08/18/25 00:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-19
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<2.29		10.4	2.29	ug/L		08/22/25 08:55	09/05/25 01:07	1
4-Bromophenyl phenyl ether	<0.729	*1	10.4	0.729	ug/L		08/22/25 08:55	09/05/25 01:07	1
4-Chloro-3-methylphenol	<0.875	*1	10.4	0.875	ug/L		08/22/25 08:55	09/05/25 01:07	1
4-Chloroaniline	<0.646	*1	10.4	0.646	ug/L		08/22/25 08:55	09/05/25 01:07	1
4-Chlorophenyl phenyl ether	<0.719	*1	10.4	0.719	ug/L		08/22/25 08:55	09/05/25 01:07	1
Methylphenol, 3 & 4	**8.05**	**J *1**	10.4	0.729	ug/L		08/22/25 08:55	09/05/25 01:07	1
4-Nitroaniline	<1.35	*1	10.4	1.35	ug/L		08/22/25 08:55	09/05/25 01:07	1
4-Nitrophenol	<7.92		10.4	7.92	ug/L		08/22/25 08:55	09/05/25 01:07	1
5-Nitro-o-toluidine	<2.92	*1	10.4	2.92	ug/L		08/22/25 08:55	09/05/25 01:07	1
7,12-Dimethylbenz(a)anthracene	<1.98	*1	10.4	1.98	ug/L		08/22/25 08:55	09/05/25 01:07	1
Acenaphthene	<0.667	*1	10.4	0.667	ug/L		08/22/25 08:55	09/05/25 01:07	1
Acenaphthylene	<0.750	*1	10.4	0.750	ug/L		08/22/25 08:55	09/05/25 01:07	1
Acetophenone	<0.719	*1	10.4	0.719	ug/L		08/22/25 08:55	09/05/25 01:07	1
Anthracene	<0.906	*1	10.4	0.906	ug/L		08/22/25 08:55	09/05/25 01:07	1
Benzo[a]anthracene	<0.885	*1	10.4	0.885	ug/L		08/22/25 08:55	09/05/25 01:07	1
Benzo[a]pyrene	<8.44	*1	10.4	8.44	ug/L		08/22/25 08:55	08/29/25 19:18	1
Benzo[b]fluoranthene	<5.10	*1	10.4	5.10	ug/L		08/22/25 08:55	09/05/25 01:07	1
Benzo[g,h,i]perylene	<6.56	*1	10.4	6.56	ug/L		08/22/25 08:55	09/05/25 01:07	1
Benzo[k]fluoranthene	<2.29	*1	10.4	2.29	ug/L		08/22/25 08:55	09/05/25 01:07	1
Benzyl alcohol	<1.35	*1	10.4	1.35	ug/L		08/22/25 08:55	09/05/25 01:07	1
Bis(2-chloroethoxy)methane	<0.792	*1	10.4	0.792	ug/L		08/22/25 08:55	09/05/25 01:07	1
Bis(2-chloroethyl)ether	<0.854	*1	10.4	0.854	ug/L		08/22/25 08:55	09/05/25 01:07	1
2,2'-oxybis[1-chloropropane]	<0.563	*1	10.4	0.563	ug/L		08/22/25 08:55	09/05/25 01:07	1
Bis(2-ethylhexyl) phthalate	<5.73	*1	10.4	5.73	ug/L		08/22/25 08:55	09/05/25 01:07	1
Butyl benzyl phthalate	<5.63	*1	10.4	5.63	ug/L		08/22/25 08:55	09/05/25 01:07	1
Chlorobenzilate	<3.75	*1	10.4	3.75	ug/L		08/22/25 08:55	09/05/25 01:07	1
Chrysene	<0.906	*1	10.4	0.906	ug/L		08/22/25 08:55	09/05/25 01:07	1
Diallate	<4.17	*+ *1	10.4	4.17	ug/L		08/22/25 08:55	09/05/25 01:07	1
Dibenzo(a,h)anthracene	<4.06	*1	10.4	4.06	ug/L		08/22/25 08:55	08/29/25 19:18	1
Dibenzofuran	<0.771	*1	10.4	0.771	ug/L		08/22/25 08:55	09/05/25 01:07	1
Diethyl phthalate	<1.77	*1	10.4	1.77	ug/L		08/22/25 08:55	09/05/25 01:07	1
Dimethoate	<3.75	*+ *1	10.4	3.75	ug/L		08/22/25 08:55	09/05/25 01:07	1
Dimethyl phthalate	<1.04	*1	10.4	1.04	ug/L		08/22/25 08:55	09/05/25 01:07	1
Di-n-butyl phthalate	<5.83	*1	10.4	5.83	ug/L		08/22/25 08:55	09/05/25 01:07	1
Di-n-octyl phthalate	<7.29	*1	20.8	7.29	ug/L		08/22/25 08:55	09/05/25 01:07	1
Dinoseb	<2.50	*1	10.4	2.50	ug/L		08/22/25 08:55	09/05/25 01:07	1
Diphenylamine	<6.25	*1	10.4	6.25	ug/L		08/22/25 08:55	09/05/25 01:07	1
Disulfoton	<2.50	*1	10.4	2.50	ug/L		08/22/25 08:55	09/05/25 01:07	1
Ethyl methanesulfonate	<3.75	*1	10.4	3.75	ug/L		08/22/25 08:55	09/05/25 01:07	1
Ethyl Parathion	<2.29	*1	10.4	2.29	ug/L		08/22/25 08:55	09/05/25 01:07	1
Famphur	<3.96	*+ *1	10.4	3.96	ug/L		08/22/25 08:55	09/05/25 01:07	1
Fluoranthene	<1.77	*1	10.4	1.77	ug/L		08/22/25 08:55	09/05/25 01:07	1
Fluorene	<0.823	*1	10.4	0.823	ug/L		08/22/25 08:55	09/05/25 01:07	1
Hexachlorobenzene	<0.729	*1	10.4	0.729	ug/L		08/22/25 08:55	09/05/25 01:07	1
Hexachlorobutadiene	<0.896	*1	10.4	0.896	ug/L		08/22/25 08:55	09/05/25 01:07	1
Hexachlorocyclopentadiene	<5.31	*1	10.4	5.31	ug/L		08/22/25 08:55	09/05/25 01:07	1
Hexachloroethane	<1.01	*1	10.4	1.01	ug/L		08/22/25 08:55	09/05/25 01:07	1
Hexachloropropene	<2.71	*1	10.4	2.71	ug/L		08/22/25 08:55	09/05/25 01:07	1
Indeno[1,2,3-cd]pyrene	<4.38	*1	10.4	4.38	ug/L		08/22/25 08:55	08/29/25 19:18	1

Client Sample ID: FD-2_25_08
Date Collected: 08/18/25 00:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-19
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.90	*1	10.4	4.90	ug/L		08/22/25 08:55	09/05/25 01:07	1
Isophorone	<0.969	*1	10.4	0.969	ug/L		08/22/25 08:55	09/05/25 01:07	1
Isosafrole	<2.40	*1	10.4	2.40	ug/L		08/22/25 08:55	09/05/25 01:07	1
Kepone	<1.04	*-	10.4	1.04	ug/L		08/22/25 08:55	09/05/25 01:07	1
Methapyrilene	<0.792	*1	10.4	0.792	ug/L		08/22/25 08:55	09/05/25 01:07	1
Methyl methanesulfonate	<3.44	*1	10.4	3.44	ug/L		08/22/25 08:55	09/05/25 01:07	1
Methyl parathion	<2.40	*+ *1	10.4	2.40	ug/L		08/22/25 08:55	09/05/25 01:07	1
Nitrobenzene	<0.833	*1	10.4	0.833	ug/L		08/22/25 08:55	09/05/25 01:07	1
N-Nitrosodiethylamine	<3.54	*1	10.4	3.54	ug/L		08/22/25 08:55	09/05/25 01:07	1
N-Nitrosodimethylamine	<0.750	*1	10.4	0.750	ug/L		08/22/25 08:55	09/05/25 01:07	1
N-Nitrosodi-n-butylamine	<4.06	*1	10.4	4.06	ug/L		08/22/25 08:55	09/05/25 01:07	1
N-Nitrosodi-n-propylamine	<0.958	*1	10.4	0.958	ug/L		08/22/25 08:55	09/05/25 01:07	1
N-Nitrosodiphenylamine	<0.781	*1	10.4	0.781	ug/L		08/22/25 08:55	09/05/25 01:07	1
N-Nitrosomethylethylamine	<5.10		10.4	5.10	ug/L		08/22/25 08:55	09/05/25 01:07	1
N-Nitrosopiperidine	<2.81	*1	10.4	2.81	ug/L		08/22/25 08:55	09/05/25 01:07	1
N-Nitrosopyrrolidine	<3.75	*1	10.4	3.75	ug/L		08/22/25 08:55	09/05/25 01:07	1
o,o',o''-Triethylphosphorothioate	<3.33	*+ *1	10.4	3.33	ug/L		08/22/25 08:55	09/05/25 01:07	1
o-Toluidine	<3.02	*1	10.4	3.02	ug/L		08/22/25 08:55	09/05/25 01:07	1
p-Dimethylamino azobenzene	<2.29	*1	10.4	2.29	ug/L		08/22/25 08:55	09/05/25 01:07	1
Pentachlorobenzene	<2.92	*1	10.4	2.92	ug/L		08/22/25 08:55	09/05/25 01:07	1
Pentachloronitrobenzene	<6.04	*1	10.4	6.04	ug/L		08/22/25 08:55	09/05/25 01:07	1
Pentachlorophenol	<10.0		10.4	10.0	ug/L		08/22/25 08:55	09/05/25 01:07	1
Phenacetin	<1.98	*1	10.4	1.98	ug/L		08/22/25 08:55	09/05/25 01:07	1
Phenanthrene	<0.823	*1	10.4	0.823	ug/L		08/22/25 08:55	09/05/25 01:07	1
Phenol	<1.15	*1	10.4	1.15	ug/L		08/22/25 08:55	09/05/25 01:07	1
Phorate	<3.33	*1	10.4	3.33	ug/L		08/22/25 08:55	09/05/25 01:07	1
Pronamide	<2.81	*1	10.4	2.81	ug/L		08/22/25 08:55	09/05/25 01:07	1
Pyrene	<0.823	*1	10.4	0.823	ug/L		08/22/25 08:55	09/05/25 01:07	1
Safrole	<2.92	*1	10.4	2.92	ug/L		08/22/25 08:55	09/05/25 01:07	1
Thionazin	<3.65	*1	10.4	3.65	ug/L		08/22/25 08:55	09/05/25 01:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*76*		*21 - 110*	*08/22/25 08:55*	*09/05/25 01:07*	*1*
Phenol-d5 (Surr)	*66*		*21 - 110*	*08/22/25 08:55*	*09/05/25 01:07*	*1*
Nitrobenzene-d5 (Surr)	*98*		*39 - 140*	*08/22/25 08:55*	*09/05/25 01:07*	*1*
2-Fluorobiphenyl (Surr)	*100*		*33 - 126*	*08/22/25 08:55*	*09/05/25 01:07*	*1*
2,4,6-Tribromophenol (Surr)	*89*		*20 - 144*	*08/22/25 08:55*	*09/05/25 01:07*	*1*
Terphenyl-d14 (Surr)	*156*	*S1+*	*13 - 150*	*08/22/25 08:55*	*09/05/25 01:07*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/22/25 15:14	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/22/25 15:14	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0237		0.0949	0.0237	ug/L		08/25/25 13:33	09/03/25 14:46	1
4,4'-DDE	<0.0285		0.0949	0.0285	ug/L		08/25/25 13:33	09/03/25 14:46	1
4,4'-DDT	<0.0190		0.0949	0.0190	ug/L		08/25/25 13:33	09/03/25 14:46	1
Aldrin	<0.0209		0.0949	0.0209	ug/L		08/25/25 13:33	09/03/25 14:46	1

Client Sample ID: FD-2_25_08
Date Collected: 08/18/25 00:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-19
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00949		0.0949	0.00949	ug/L		08/25/25 13:33	09/03/25 14:46	1
beta-BHC	<0.0398		0.0949	0.0398	ug/L		08/25/25 13:33	09/03/25 14:46	1
Chlordane (technical)	<0.370		1.90	0.370	ug/L		08/25/25 13:33	09/03/25 14:46	1
delta-BHC	<0.0304		0.0949	0.0304	ug/L		08/25/25 13:33	09/03/25 14:46	1
Dieldrin	<0.0199		0.0949	0.0199	ug/L		08/25/25 13:33	09/03/25 14:46	1
Endosulfan I	<0.0266		0.0949	0.0266	ug/L		08/25/25 13:33	09/03/25 14:46	1
Endosulfan II	<0.0247		0.0949	0.0247	ug/L		08/25/25 13:33	09/03/25 14:46	1
Endosulfan sulfate	<0.0171		0.0949	0.0171	ug/L		08/25/25 13:33	09/03/25 14:46	1
Endrin	<0.0266		0.0949	0.0266	ug/L		08/25/25 13:33	09/03/25 14:46	1
Endrin aldehyde	<0.0256		0.0949	0.0256	ug/L		08/25/25 13:33	09/03/25 14:46	1
gamma-BHC (Lindane)	<0.00949		0.0949	0.00949	ug/L		08/25/25 13:33	09/03/25 14:46	1
Heptachlor	<0.0218		0.0949	0.0218	ug/L		08/25/25 13:33	09/03/25 14:46	1
Heptachlor epoxide	<0.0304		0.0949	0.0304	ug/L		08/25/25 13:33	09/03/25 14:46	1
Methoxychlor	<0.0304		0.0949	0.0304	ug/L		08/25/25 13:33	09/03/25 14:46	1
Toxaphene	<0.949		1.90	0.949	ug/L		08/25/25 13:33	09/03/25 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*10 - 150*	*08/25/25 13:33*	*09/03/25 14:46*	*1*
Tetrachloro-m-xylene	*102*		*17 - 150*	*08/25/25 13:33*	*09/03/25 14:46*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.778		1.90	0.778	ug/L		08/25/25 13:33	09/03/25 14:46	1
PCB-1221	<0.778		1.90	0.778	ug/L		08/25/25 13:33	09/03/25 14:46	1
PCB-1232	<0.778		1.90	0.778	ug/L		08/25/25 13:33	09/03/25 14:46	1
PCB-1242	<0.778		1.90	0.778	ug/L		08/25/25 13:33	09/03/25 14:46	1
PCB-1248	<0.654		1.90	0.654	ug/L		08/25/25 13:33	09/03/25 14:46	1
PCB-1254	<0.654		1.90	0.654	ug/L		08/25/25 13:33	09/03/25 14:46	1
PCB-1260	<0.654		1.90	0.654	ug/L		08/25/25 13:33	09/03/25 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*10 - 150*	*08/25/25 13:33*	*09/03/25 14:46*	*1*
Tetrachloro-m-xylene	*104*		*17 - 150*	*08/25/25 13:33*	*09/03/25 14:46*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.120		0.949	0.120	ug/L		08/25/25 07:17	08/25/25 23:47	1
Silvex (2,4,5-TP)	<0.0996	*+	0.949	0.0996	ug/L		08/25/25 07:17	08/25/25 23:47	1
2,4,5-T	<0.133		0.949	0.133	ug/L		08/25/25 07:17	08/25/25 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*65*		*25 - 130*	*08/25/25 07:17*	*08/25/25 23:47*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 13:35	1
Arsenic	**0.0139**		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 13:35	1
Barium	**0.154**		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 13:35	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 13:35	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 13:35	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 13:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: FD-2_25_08
Date Collected: 08/18/25 00:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-19
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00158**		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 13:35	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 13:35	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 13:35	1
Nickel	**0.0277**		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 13:35	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 13:35	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 13:35	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 13:35	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/22/25 09:00	08/27/25 13:35	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 13:35	1
Zinc	**0.0741**		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 13:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/27/25 12:30	08/28/25 10:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/22/25 10:48	08/22/25 19:41	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/24/25 18:27	08/25/25 03:10	1
Total Suspended Solids (USGS I-3765-85)	**19.3**		3.75	2.63	mg/L			08/21/25 12:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: FD-5_25_08
Date Collected: 08/18/25 00:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-20
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 20:58	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 20:58	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 20:58	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 20:58	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 20:58	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 20:58	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 20:58	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 20:58	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 20:58	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 20:58	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 20:58	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 20:58	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 20:58	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 20:58	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 20:58	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 20:58	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 20:58	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 20:58	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 20:58	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 20:58	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 20:58	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 20:58	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 20:58	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 20:58	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 20:58	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 20:58	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 20:58	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 20:58	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 20:58	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 20:58	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 20:58	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 20:58	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 20:58	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 20:58	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 20:58	1
Methylene chloride	<1.70		5.00	1.70	ug/L			08/21/25 20:58	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 20:58	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 20:58	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 20:58	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 20:58	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 20:58	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 20:58	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 20:58	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 20:58	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 20:58	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 20:58	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*76 - 130*		*08/21/25 20:58*	*1*

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: FD-5_25_08
Date Collected: 08/18/25 00:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-20
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/21/25 20:58*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/21/25 20:58*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/26/25 09:00	08/27/25 15:25	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/26/25 09:00	08/27/25 15:25	1
Barium	**0.264**		0.00200	0.000660	mg/L		08/26/25 09:00	08/27/25 15:25	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/26/25 09:00	08/27/25 15:25	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/26/25 09:00	08/27/25 15:25	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/26/25 09:00	08/27/25 15:25	1
Cobalt	**0.00155**		0.000500	0.000170	mg/L		08/26/25 09:00	08/27/25 15:25	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/26/25 09:00	08/27/25 15:25	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/26/25 09:00	08/27/25 15:25	1
Nickel	**0.0102**		0.00500	0.00230	mg/L		08/26/25 09:00	08/27/25 15:25	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/26/25 09:00	08/27/25 15:25	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/26/25 09:00	08/27/25 15:25	1
Thallium	**0.00160**		0.00100	0.000570	mg/L		08/26/25 09:00	08/27/25 15:25	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/26/25 09:00	08/27/25 15:25	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/26/25 09:00	08/27/25 15:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2.63**		1.88	1.31	mg/L			08/21/25 12:35	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: FB-2_25_08
Date Collected: 08/19/25 16:25
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-21
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/22/25 00:45	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/22/25 00:45	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/22/25 00:45	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/22/25 00:45	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/22/25 00:45	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/22/25 00:45	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/22/25 00:45	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/22/25 00:45	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/22/25 00:45	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/22/25 00:45	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/22/25 00:45	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/22/25 00:45	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/22/25 00:45	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/22/25 00:45	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/22/25 00:45	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/22/25 00:45	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/22/25 00:45	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/22/25 00:45	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/22/25 00:45	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/22/25 00:45	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/22/25 00:45	1
Acetone	<3.10		10.0	3.10	ug/L			08/22/25 00:45	1
Acrolein	<3.60		10.0	3.60	ug/L			08/22/25 00:45	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/22/25 00:45	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/22/25 00:45	1
Benzene	<0.220		0.500	0.220	ug/L			08/22/25 00:45	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/22/25 00:45	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/22/25 00:45	1
Bromoform	<0.780		5.00	0.780	ug/L			08/22/25 00:45	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/22/25 00:45	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/22/25 00:45	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/22/25 00:45	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/22/25 00:45	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/22/25 00:45	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/22/25 00:45	1
Chloroform	<1.30		3.00	1.30	ug/L			08/22/25 00:45	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/22/25 00:45	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/22/25 00:45	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/22/25 00:45	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/22/25 00:45	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/22/25 00:45	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/22/25 00:45	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/22/25 00:45	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/22/25 00:45	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/22/25 00:45	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/22/25 00:45	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/22/25 00:45	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/22/25 00:45	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/22/25 00:45	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: FB-2_25_08
Date Collected: 08/19/25 16:25
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-21
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/22/25 00:45	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/22/25 00:45	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/22/25 00:45	1
Styrene	**0.611**	**J**	1.00	0.370	ug/L			08/25/25 22:59	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/22/25 00:45	1
Toluene	<0.430		1.00	0.430	ug/L			08/22/25 00:45	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/22/25 00:45	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/22/25 00:45	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/22/25 00:45	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/22/25 00:45	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/22/25 00:45	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/22/25 00:45	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/22/25 00:45	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/22/25 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*76 - 130*		*08/22/25 00:45*	*1*
Dibromofluoromethane (Surr)	*101*		*76 - 130*		*08/25/25 22:59*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/22/25 00:45*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/25/25 22:59*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/22/25 00:45*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/25/25 22:59*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.574		10.6	0.574	ug/L		08/26/25 07:34	09/05/25 05:56	1
1,3,5-Trinitrobenzene	<2.45		10.6	2.45	ug/L		08/26/25 07:34	09/05/25 05:56	1
1,3-Dinitrobenzene	<3.40		10.6	3.40	ug/L		08/26/25 07:34	09/05/25 05:56	1
1,4-Naphthoquinone	<3.83		10.6	3.83	ug/L		08/26/25 07:34	09/05/25 05:56	1
1,4-phenylenediamine	<2.02	*- *1	10.6	2.02	ug/L		08/26/25 07:34	09/05/25 05:56	1
1-Naphthylamine	<2.66		10.6	2.66	ug/L		08/26/25 07:34	09/05/25 05:56	1
2,3,4,6-Tetrachlorophenol	<5.64		10.6	5.64	ug/L		08/26/25 07:34	09/05/25 05:56	1
2,4,5-Trichlorophenol	<5.64		10.6	5.64	ug/L		08/26/25 07:34	09/05/25 05:56	1
2,4,6-Trichlorophenol	<5.32		10.6	5.32	ug/L		08/26/25 07:34	09/05/25 05:56	1
2,4-Dichlorophenol	<0.904		10.6	0.904	ug/L		08/26/25 07:34	09/05/25 05:56	1
2,4-Dimethylphenol	<0.617		10.6	0.617	ug/L		08/26/25 07:34	09/05/25 05:56	1
2,4-Dinitrophenol	<13.8		21.3	13.8	ug/L		08/26/25 07:34	09/05/25 05:56	1
2,4-Dinitrotoluene	<6.81		10.6	6.81	ug/L		08/26/25 07:34	09/05/25 05:56	1
2,6-Dichlorophenol	<0.734		10.6	0.734	ug/L		08/26/25 07:34	09/05/25 05:56	1
2,6-Dinitrotoluene	<0.553		10.6	0.553	ug/L		08/26/25 07:34	09/05/25 05:56	1
2-Acetylaminofluorene	<2.87		10.6	2.87	ug/L		08/26/25 07:34	09/05/25 05:56	1
2-Chloronaphthalene	<0.681		10.6	0.681	ug/L		08/26/25 07:34	09/05/25 05:56	1
2-Chlorophenol	<0.574		10.6	0.574	ug/L		08/26/25 07:34	09/05/25 05:56	1
2-Methylnaphthalene	<0.628		10.6	0.628	ug/L		08/26/25 07:34	09/05/25 05:56	1
2-Methylphenol	<0.691		10.6	0.691	ug/L		08/26/25 07:34	09/05/25 05:56	1
2-Naphthylamine	<2.23		10.6	2.23	ug/L		08/26/25 07:34	09/05/25 05:56	1
2-Nitroaniline	<6.28		10.6	6.28	ug/L		08/26/25 07:34	09/05/25 05:56	1
2-Nitrophenol	<7.23		10.6	7.23	ug/L		08/26/25 07:34	09/05/25 05:56	1
3,3'-Dichlorobenzidine	<1.49		10.6	1.49	ug/L		08/26/25 07:34	09/05/25 05:56	1
3,3'-Dimethylbenzidine	<1.60		10.6	1.60	ug/L		08/26/25 07:34	09/05/25 05:56	1

Client Sample ID: FB-2_25_08
Date Collected: 08/19/25 16:25
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-21
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Methylcholanthrene	<0.340		10.6	0.340	ug/L		08/26/25 07:34	09/05/25 05:56	1
3-Nitroaniline	<2.87		10.6	2.87	ug/L		08/26/25 07:34	09/05/25 05:56	1
4,6-Dinitro-2-methylphenol	<7.34		10.6	7.34	ug/L		08/26/25 07:34	09/05/25 05:56	1
4-Aminobiphenyl	<2.34		10.6	2.34	ug/L		08/26/25 07:34	09/05/25 05:56	1
4-Bromophenyl phenyl ether	<0.745		10.6	0.745	ug/L		08/26/25 07:34	09/05/25 05:56	1
4-Chloro-3-methylphenol	<0.894		10.6	0.894	ug/L		08/26/25 07:34	09/05/25 05:56	1
4-Chloroaniline	<0.660		10.6	0.660	ug/L		08/26/25 07:34	09/05/25 05:56	1
4-Chlorophenyl phenyl ether	<0.734		10.6	0.734	ug/L		08/26/25 07:34	09/05/25 05:56	1
Methylphenol, 3 & 4	<0.745		10.6	0.745	ug/L		08/26/25 07:34	09/05/25 05:56	1
4-Nitroaniline	<1.38		10.6	1.38	ug/L		08/26/25 07:34	09/05/25 05:56	1
4-Nitrophenol	<8.09		10.6	8.09	ug/L		08/26/25 07:34	09/05/25 05:56	1
5-Nitro-o-toluidine	<2.98		10.6	2.98	ug/L		08/26/25 07:34	09/05/25 05:56	1
7,12-Dimethylbenz(a)anthracene	<2.02		10.6	2.02	ug/L		08/26/25 07:34	09/05/25 05:56	1
Acenaphthene	<0.681		10.6	0.681	ug/L		08/26/25 07:34	09/05/25 05:56	1
Acenaphthylene	<0.766		10.6	0.766	ug/L		08/26/25 07:34	09/05/25 05:56	1
Acetophenone	<0.734		10.6	0.734	ug/L		08/26/25 07:34	09/05/25 05:56	1
Anthracene	<0.926		10.6	0.926	ug/L		08/26/25 07:34	09/05/25 05:56	1
Benzo[a]anthracene	<0.904		10.6	0.904	ug/L		08/26/25 07:34	09/05/25 05:56	1
Benzo[a]pyrene	<8.62		10.6	8.62	ug/L		08/26/25 07:34	08/30/25 00:06	1
Benzo[b]fluoranthene	<5.21		10.6	5.21	ug/L		08/26/25 07:34	09/05/25 05:56	1
Benzo[g,h,i]perylene	<6.70		10.6	6.70	ug/L		08/26/25 07:34	09/05/25 05:56	1
Benzo[k]fluoranthene	<2.34		10.6	2.34	ug/L		08/26/25 07:34	09/05/25 05:56	1
Benzyl alcohol	<1.38		10.6	1.38	ug/L		08/26/25 07:34	09/05/25 05:56	1
Bis(2-chloroethoxy)methane	<0.809		10.6	0.809	ug/L		08/26/25 07:34	09/05/25 05:56	1
Bis(2-chloroethyl)ether	<0.872		10.6	0.872	ug/L		08/26/25 07:34	09/05/25 05:56	1
2,2'-oxybis[1-chloropropane]	<0.574		10.6	0.574	ug/L		08/26/25 07:34	09/05/25 05:56	1
Bis(2-ethylhexyl) phthalate	<5.85		10.6	5.85	ug/L		08/26/25 07:34	09/05/25 05:56	1
Butyl benzyl phthalate	<5.74		10.6	5.74	ug/L		08/26/25 07:34	09/05/25 05:56	1
Chlorobenzilate	<3.83		10.6	3.83	ug/L		08/26/25 07:34	09/05/25 05:56	1
Chrysene	<0.926		10.6	0.926	ug/L		08/26/25 07:34	09/05/25 05:56	1
Diallate	<4.26	*+	10.6	4.26	ug/L		08/26/25 07:34	09/05/25 05:56	1
Dibenzo(a,h)anthracene	<4.15		10.6	4.15	ug/L		08/26/25 07:34	08/30/25 00:06	1
Dibenzofuran	<0.787		10.6	0.787	ug/L		08/26/25 07:34	09/05/25 05:56	1
Diethyl phthalate	<1.81		10.6	1.81	ug/L		08/26/25 07:34	09/05/25 05:56	1
Dimethoate	<3.83		10.6	3.83	ug/L		08/26/25 07:34	09/05/25 05:56	1
Dimethyl phthalate	<1.06		10.6	1.06	ug/L		08/26/25 07:34	09/05/25 05:56	1
Di-n-butyl phthalate	<5.96		10.6	5.96	ug/L		08/26/25 07:34	09/05/25 05:56	1
Di-n-octyl phthalate	<7.45		21.3	7.45	ug/L		08/26/25 07:34	09/05/25 05:56	1
Dinoseb	<2.55		10.6	2.55	ug/L		08/26/25 07:34	09/05/25 05:56	1
Diphenylamine	<6.38		10.6	6.38	ug/L		08/26/25 07:34	09/05/25 05:56	1
Disulfoton	<2.55		10.6	2.55	ug/L		08/26/25 07:34	09/05/25 05:56	1
Ethyl methanesulfonate	<3.83		10.6	3.83	ug/L		08/26/25 07:34	09/05/25 05:56	1
Ethyl Parathion	<2.34		10.6	2.34	ug/L		08/26/25 07:34	09/05/25 05:56	1
Famphur	<4.04	*+	10.6	4.04	ug/L		08/26/25 07:34	09/05/25 05:56	1
Fluoranthene	<1.81		10.6	1.81	ug/L		08/26/25 07:34	09/05/25 05:56	1
Fluorene	<0.840		10.6	0.840	ug/L		08/26/25 07:34	09/05/25 05:56	1
Hexachlorobenzene	<0.745		10.6	0.745	ug/L		08/26/25 07:34	09/05/25 05:56	1
Hexachlorobutadiene	<0.915		10.6	0.915	ug/L		08/26/25 07:34	09/05/25 05:56	1
Hexachlorocyclopentadiene	<5.43		10.6	5.43	ug/L		08/26/25 07:34	09/05/25 05:56	1

Client Sample ID: FB-2_25_08
Date Collected: 08/19/25 16:25
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-21
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	<1.03		10.6	1.03	ug/L		08/26/25 07:34	09/05/25 05:56	1
Hexachloropropene	<2.77		10.6	2.77	ug/L		08/26/25 07:34	09/05/25 05:56	1
Indeno[1,2,3-cd]pyrene	<4.47		10.6	4.47	ug/L		08/26/25 07:34	08/30/25 00:06	1
Isodrin	<5.00		10.6	5.00	ug/L		08/26/25 07:34	09/05/25 05:56	1
Isophorone	<0.989		10.6	0.989	ug/L		08/26/25 07:34	09/05/25 05:56	1
Isosafrole	<2.45		10.6	2.45	ug/L		08/26/25 07:34	09/05/25 05:56	1
Kepone	<1.06	*+ *1	10.6	1.06	ug/L		08/26/25 07:34	09/05/25 05:56	1
Methapyrilene	<0.809		10.6	0.809	ug/L		08/26/25 07:34	09/05/25 05:56	1
Methyl methanesulfonate	<3.51		10.6	3.51	ug/L		08/26/25 07:34	09/05/25 05:56	1
Methyl parathion	<2.45		10.6	2.45	ug/L		08/26/25 07:34	09/05/25 05:56	1
Nitrobenzene	<0.851		10.6	0.851	ug/L		08/26/25 07:34	09/05/25 05:56	1
N-Nitrosodiethylamine	<3.62		10.6	3.62	ug/L		08/26/25 07:34	09/05/25 05:56	1
N-Nitrosodimethylamine	<0.766		10.6	0.766	ug/L		08/26/25 07:34	09/05/25 05:56	1
N-Nitrosodi-n-butylamine	<4.15		10.6	4.15	ug/L		08/26/25 07:34	09/05/25 05:56	1
N-Nitrosodi-n-propylamine	<0.979		10.6	0.979	ug/L		08/26/25 07:34	09/05/25 05:56	1
N-Nitrosodiphenylamine	<0.798		10.6	0.798	ug/L		08/26/25 07:34	09/05/25 05:56	1
N-Nitrosomethylethylamine	<5.21		10.6	5.21	ug/L		08/26/25 07:34	09/05/25 05:56	1
N-Nitrosopiperidine	<2.87		10.6	2.87	ug/L		08/26/25 07:34	09/05/25 05:56	1
N-Nitrosopyrrolidine	<3.83		10.6	3.83	ug/L		08/26/25 07:34	09/05/25 05:56	1
o,o',o''-Triethylphosphorothioate	<3.40		10.6	3.40	ug/L		08/26/25 07:34	09/05/25 05:56	1
o-Toluidine	<3.09		10.6	3.09	ug/L		08/26/25 07:34	09/05/25 05:56	1
p-Dimethylamino azobenzene	<2.34		10.6	2.34	ug/L		08/26/25 07:34	09/05/25 05:56	1
Pentachlorobenzene	<2.98		10.6	2.98	ug/L		08/26/25 07:34	09/05/25 05:56	1
Pentachloronitrobenzene	<6.17		10.6	6.17	ug/L		08/26/25 07:34	09/05/25 05:56	1
Pentachlorophenol	<10.2		10.6	10.2	ug/L		08/26/25 07:34	09/05/25 05:56	1
Phenacetin	<2.02		10.6	2.02	ug/L		08/26/25 07:34	09/05/25 05:56	1
Phenanthrene	<0.840		10.6	0.840	ug/L		08/26/25 07:34	09/05/25 05:56	1
Phenol	<1.17		10.6	1.17	ug/L		08/26/25 07:34	09/05/25 05:56	1
Phorate	<3.40		10.6	3.40	ug/L		08/26/25 07:34	09/05/25 05:56	1
Pronamide	<2.87		10.6	2.87	ug/L		08/26/25 07:34	09/05/25 05:56	1
Pyrene	<0.840		10.6	0.840	ug/L		08/26/25 07:34	09/05/25 05:56	1
Safrole	<2.98		10.6	2.98	ug/L		08/26/25 07:34	09/05/25 05:56	1
Thionazin	<3.72		10.6	3.72	ug/L		08/26/25 07:34	09/05/25 05:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*66*		*21 - 110*	*08/26/25 07:34*	*09/05/25 05:56*	*1*
Phenol-d5 (Surr)	*57*		*21 - 110*	*08/26/25 07:34*	*09/05/25 05:56*	*1*
Nitrobenzene-d5 (Surr)	*86*		*39 - 140*	*08/26/25 07:34*	*09/05/25 05:56*	*1*
2-Fluorobiphenyl (Surr)	*90*		*33 - 126*	*08/26/25 07:34*	*09/05/25 05:56*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*20 - 144*	*08/26/25 07:34*	*09/05/25 05:56*	*1*
Terphenyl-d14 (Surr)	*100*		*13 - 150*	*08/26/25 07:34*	*09/05/25 05:56*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/22/25 15:34	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/22/25 15:34	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0236		0.0943	0.0236	ug/L		08/25/25 13:33	09/03/25 14:59	1

Client Sample ID: FB-2_25_08
Date Collected: 08/19/25 16:25
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-21
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	<0.0283		0.0943	0.0283	ug/L		08/25/25 13:33	09/03/25 14:59	1
4,4'-DDT	<0.0189		0.0943	0.0189	ug/L		08/25/25 13:33	09/03/25 14:59	1
Aldrin	<0.0208		0.0943	0.0208	ug/L		08/25/25 13:33	09/03/25 14:59	1
alpha-BHC	<0.00943		0.0943	0.00943	ug/L		08/25/25 13:33	09/03/25 14:59	1
beta-BHC	<0.0396		0.0943	0.0396	ug/L		08/25/25 13:33	09/03/25 14:59	1
Chlordane (technical)	<0.368		1.89	0.368	ug/L		08/25/25 13:33	09/03/25 14:59	1
delta-BHC	<0.0302		0.0943	0.0302	ug/L		08/25/25 13:33	09/03/25 14:59	1
Dieldrin	<0.0198		0.0943	0.0198	ug/L		08/25/25 13:33	09/03/25 14:59	1
Endosulfan I	<0.0264		0.0943	0.0264	ug/L		08/25/25 13:33	09/03/25 14:59	1
Endosulfan II	<0.0245		0.0943	0.0245	ug/L		08/25/25 13:33	09/03/25 14:59	1
Endosulfan sulfate	<0.0170		0.0943	0.0170	ug/L		08/25/25 13:33	09/03/25 14:59	1
Endrin	<0.0264		0.0943	0.0264	ug/L		08/25/25 13:33	09/03/25 14:59	1
Endrin aldehyde	<0.0255		0.0943	0.0255	ug/L		08/25/25 13:33	09/03/25 14:59	1
gamma-BHC (Lindane)	<0.00943		0.0943	0.00943	ug/L		08/25/25 13:33	09/03/25 14:59	1
Heptachlor	<0.0217		0.0943	0.0217	ug/L		08/25/25 13:33	09/03/25 14:59	1
Heptachlor epoxide	<0.0302		0.0943	0.0302	ug/L		08/25/25 13:33	09/03/25 14:59	1
Methoxychlor	<0.0302		0.0943	0.0302	ug/L		08/25/25 13:33	09/03/25 14:59	1
Toxaphene	<0.943		1.89	0.943	ug/L		08/25/25 13:33	09/03/25 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*10 - 150*	*08/25/25 13:33*	*09/03/25 14:59*	*1*
Tetrachloro-m-xylene	*95*		*17 - 150*	*08/25/25 13:33*	*09/03/25 14:59*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.774		1.89	0.774	ug/L		08/25/25 13:33	09/03/25 14:59	1
PCB-1221	<0.774		1.89	0.774	ug/L		08/25/25 13:33	09/03/25 14:59	1
PCB-1232	<0.774		1.89	0.774	ug/L		08/25/25 13:33	09/03/25 14:59	1
PCB-1242	<0.774		1.89	0.774	ug/L		08/25/25 13:33	09/03/25 14:59	1
PCB-1248	<0.651		1.89	0.651	ug/L		08/25/25 13:33	09/03/25 14:59	1
PCB-1254	<0.651		1.89	0.651	ug/L		08/25/25 13:33	09/03/25 14:59	1
PCB-1260	<0.651		1.89	0.651	ug/L		08/25/25 13:33	09/03/25 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*10 - 150*	*08/25/25 13:33*	*09/03/25 14:59*	*1*
Tetrachloro-m-xylene	*97*		*17 - 150*	*08/25/25 13:33*	*09/03/25 14:59*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.133		1.05	0.133	ug/L		08/25/25 07:17	08/26/25 00:05	1
Silvex (2,4,5-TP)	<0.110	*+	1.05	0.110	ug/L		08/25/25 07:17	08/26/25 00:05	1
2,4,5-T	<0.147		1.05	0.147	ug/L		08/25/25 07:17	08/26/25 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*80*		*25 - 130*	*08/25/25 07:17*	*08/26/25 00:05*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/26/25 09:00	08/27/25 15:28	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/26/25 09:00	08/27/25 15:28	1
Barium	<0.000660		0.00200	0.000660	mg/L		08/26/25 09:00	08/27/25 15:28	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: FB-2_25_08
Date Collected: 08/19/25 16:25
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-21
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/26/25 09:00	08/27/25 15:28	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/26/25 09:00	08/27/25 15:28	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/26/25 09:00	08/27/25 15:28	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/26/25 09:00	08/27/25 15:28	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/26/25 09:00	08/27/25 15:28	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/26/25 09:00	08/27/25 15:28	1
Nickel	<0.00230		0.00500	0.00230	mg/L		08/26/25 09:00	08/27/25 15:28	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/26/25 09:00	08/27/25 15:28	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/26/25 09:00	08/27/25 15:28	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/26/25 09:00	08/27/25 15:28	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/26/25 09:00	08/27/25 15:28	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/26/25 09:00	08/27/25 15:28	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/26/25 09:00	08/27/25 15:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/27/25 12:30	08/28/25 10:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		08/22/25 10:48	08/22/25 19:43	1
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		08/25/25 18:19	08/26/25 05:15	1
Total Suspended Solids (USGS I-3765-85)	<1.31		1.88	1.31	mg/L			08/22/25 11:28	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: TB-2_25_08
Date Collected: 08/19/25 00:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-22
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/22/25 01:08	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/22/25 01:08	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/22/25 01:08	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/22/25 01:08	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/22/25 01:08	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/22/25 01:08	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/22/25 01:08	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/22/25 01:08	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/22/25 01:08	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/22/25 01:08	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/22/25 01:08	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/22/25 01:08	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/22/25 01:08	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/22/25 01:08	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/22/25 01:08	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/22/25 01:08	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/22/25 01:08	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/22/25 01:08	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/22/25 01:08	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/22/25 01:08	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/22/25 01:08	1
Acetone	<3.10		10.0	3.10	ug/L			08/22/25 01:08	1
Acrolein	<3.60		10.0	3.60	ug/L			08/22/25 01:08	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/22/25 01:08	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/22/25 01:08	1
Benzene	<0.220		0.500	0.220	ug/L			08/22/25 01:08	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/22/25 01:08	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/22/25 01:08	1
Bromoform	<0.780		5.00	0.780	ug/L			08/22/25 01:08	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/22/25 01:08	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/22/25 01:08	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/22/25 01:08	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/22/25 01:08	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/22/25 01:08	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/22/25 01:08	1
Chloroform	<1.30		3.00	1.30	ug/L			08/22/25 01:08	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/22/25 01:08	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/22/25 01:08	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/22/25 01:08	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/22/25 01:08	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/22/25 01:08	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/22/25 01:08	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/22/25 01:08	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/22/25 01:08	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/22/25 01:08	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/22/25 01:08	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/22/25 01:08	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/22/25 01:08	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/22/25 01:08	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: TB-2_25_08
Date Collected: 08/19/25 00:00
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-22
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<3.00		5.00	3.00	ug/L			08/22/25 01:08	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/22/25 01:08	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/22/25 01:08	1
Styrene	<0.370		1.00	0.370	ug/L			08/22/25 01:08	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/22/25 01:08	1
Toluene	<0.430		1.00	0.430	ug/L			08/22/25 01:08	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/22/25 01:08	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/22/25 01:08	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/22/25 01:08	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/22/25 01:08	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/22/25 01:08	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/22/25 01:08	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/22/25 01:08	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/22/25 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*76 - 130*		*08/22/25 01:08*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/22/25 01:08*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*08/22/25 01:08*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

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

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-313465-C-4 MS	Matrix Spike	101	101	102
310-313465-C-4 MSD	Matrix Spike Duplicate	100	100	99
310-313751-1	AW-4_25_08	99	97	101
310-313751-2	MW--17_25_08	102	98	101
310-313751-3	MW-18_25_08	102	97	99
310-313751-3 MS	MW-18_25_08	100	100	101
310-313751-3 MSD	MW-18_25_08	100	99	101
310-313751-4	MW-19_25_08	103	100	101
310-313751-5	MW-20_25_08	101	98	101
310-313751-6	MW-24_25_08	102	100	99
310-313751-7	MW-25_25_08	103	99	102
310-313751-8	MW-26_25_08	101	99	101
310-313751-9	MW-28_25_08	100	98	100
310-313751-10	MW-30_25_08	102	98	101
310-313751-11	MW-31_25_08	101	99	100
310-313751-12	MW-35_25_08	100	98	101
310-313751-13	MW-36_25_08	104	100	98
310-313751-14	MW-102B_25_08	102	101	99
310-313751-15	MW-106A_25_08	104	97	100
310-313751-16	MW-107A_25_08	101	98	101
310-313751-17	MW-107B_25_08	101	99	99
310-313751-18	MW-108B_25_08	102	101	104
310-313751-19	FD-2_25_08	105	99	102
310-313751-20	FD-5_25_08	102	98	101
310-313751-21	FB-2_25_08	101	98	100
310-313751-21	FB-2_25_08	101	98	101
310-313751-22	TB-2_25_08	100	98	102
310-313882-M-3 MS	Matrix Spike	98	102	104
310-313882-M-3 MSD	Matrix Spike Duplicate	101	100	102
LCS 310-464356/6	Lab Control Sample	99	101	99
LCS 310-464356/7	Lab Control Sample	100	99	103
LCS 310-464361/6	Lab Control Sample	98	98	101
LCS 310-464361/7	Lab Control Sample	104	101	100
LCS 310-464657/6	Lab Control Sample	100	100	100
LCS 310-464657/7	Lab Control Sample	101	97	100
MB 310-464356/5	Method Blank	99	99	101
MB 310-464361/5	Method Blank	100	98	101
MB 310-464657/5	Method Blank	102	98	102

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-313751-1
Project/Site: CRLCSWA Site 1
SDG: 25C051.00

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		2FP	PHL	NBZ	FBP	TBP	TPHL		
Lab Sample ID	Client Sample ID	(21-110)	(21-110)	(39-140)	(33-126)	(20-144)	(13-150)		
310-313751-1	AW-4_25_08	55	43	87	88	82	90		
310-313751-2	MW--17_25_08	59	52	87	89	71	102		
310-313751-3	MW-18_25_08	61	50	82	80	75	94		
310-313751-4	MW-19_25_08	65	53	88	88	72	105		
310-313751-5	MW-20_25_08	64	58	92	92	69	105		
310-313751-6	MW-24_25_08	66	51	81	86	102	103		
310-313751-7	MW-25_25_08	66	55	84	90	75	121		
310-313751-8	MW-26_25_08			101	99		157 S1+		
310-313751-9	MW-28_25_08	54	46	70	73	62	106		
310-313751-10	MW-30_25_08	74	65	95	96	85	145		
310-313751-12	MW-35_25_08	57	47	78	79	63	94		
310-313751-13	MW-36_25_08	58	48	81	85	70	97		
310-313751-19	FD-2_25_08	76	66	98	100	89	156 S1+		
310-313751-21	FB-2_25_08	66	57	86	90	69	100		
LCS 310-464458/2-A	Lab Control Sample	81	66	96	91	123	124		
LCS 310-464719/2-A	Lab Control Sample	76	63	100	96	108	101		
LCSD 310-464458/3-A	Lab Control Sample Dup	54	43	65	63	74	72		
LCSD 310-464719/3-A	Lab Control Sample Dup	68	57	85	79	93	80		
MB 310-464458/1-A	Method Blank	77	66	90	92	105	122		
MB 310-464719/1-A	Method Blank	91	76	121	114	106	179 S1+		

Surrogate Legend

2FP = 2-Fluorophenol (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		DCB1	TCX1						
Lab Sample ID	Client Sample ID	(10-150)	(17-150)						
310-313751-1	AW-4_25_08	69	97						
310-313751-1 MS	AW-4_25_08	60	80						
310-313751-1 MSD	AW-4_25_08	56	84						
310-313751-2	MW--17_25_08	69	89						
310-313751-3	MW-18_25_08	64	82						
310-313751-4	MW-19_25_08	67	78						
310-313751-5	MW-20_25_08	98	93						
310-313751-6	MW-24_25_08	92	93						
310-313751-7	MW-25_25_08	139	131						
310-313751-8	MW-26_25_08	70	80						
310-313751-9	MW-28_25_08	72	100						
310-313751-10	MW-30_25_08	76	99						
310-313751-12	MW-35_25_08	79	92						
310-313751-13	MW-36_25_08	70	93						
310-313751-19	FD-2_25_08	77	102						
310-313751-21	FB-2_25_08	73	95						

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		DCB1	TCX1								
Lab Sample ID	Client Sample ID	(10-150)	(17-150)								
LB 310-464103/1-E	Method Blank	72	84								
LCS 310-464511/32-A	Lab Control Sample	51	71								
LCS 310-464678/2-A	Lab Control Sample	56	85								
MB 310-464511/1-A	Method Blank	57	72								
MB 310-464678/1-A	Method Blank	51	88								

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)									
		DCB1	TCX1								
Lab Sample ID	Client Sample ID	(10-150)	(17-150)								
310-313099-B-1-E MS	Matrix Spike	64	87								
310-313099-B-1-F MSD	Matrix Spike Duplicate	49	82								

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		DCB1	TCX1								
Lab Sample ID	Client Sample ID	(10-150)	(17-150)								
310-313751-1	AW-4_25_08	70	99								
310-313751-2	MW--17_25_08	70	91								
310-313751-3	MW-18_25_08	65	84								
310-313751-4	MW-19_25_08	69	80								
310-313751-5	MW-20_25_08	100	95								
310-313751-6	MW-24_25_08	77	88								
310-313751-7	MW-25_25_08	79	80								
310-313751-9	MW-28_25_08	149	147								
310-313751-10	MW-30_25_08	153 S1+	159 S1+								
310-313751-12	MW-35_25_08	116	126								
310-313751-13	MW-36_25_08	132	139								
310-313751-19	FD-2_25_08	79	104								
310-313751-21	FB-2_25_08	75	97								
310-314023-I-7-B MS	Matrix Spike	110	102								
310-314023-I-7-C MSD	Matrix Spike Duplicate	97	92								
LB 310-464396/1-D	Method Blank	64	68								
LCS 310-464511/8-A	Lab Control Sample	52	85								
LCS 310-464678/27-A	Lab Control Sample	82	91								
MB 310-464511/1-A	Method Blank	58	74								
MB 310-464678/1-A	Method Blank	52	90								

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

Surrogate Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	DCB1 (10-150)	TCX1 (17-150)						
310-313100-B-1-I MS	Matrix Spike	26	54						
310-313100-B-1-J MSD	Matrix Spike Duplicate	15	46						

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	DCPAA2 (25-130)							
310-313751-1	AW-4_25_08	90							
310-313751-2	MW--17_25_08	87							
310-313751-3	MW-18_25_08	102							
310-313751-4	MW-19_25_08	98							
310-313751-5	MW-20_25_08	94							
310-313751-6	MW-24_25_08	84							
310-313751-7	MW-25_25_08	84							
310-313751-9	MW-28_25_08	99							
310-313751-10	MW-30_25_08	83							
310-313751-12	MW-35_25_08	94							
310-313751-13	MW-36_25_08	102							
310-313751-19	FD-2_25_08	65							
310-313751-21	FB-2_25_08	80							
LB 500-830649/1-E	Method Blank	99							
LCS 500-831295/2-A	Lab Control Sample	99							
LCSD 500-831295/3-A	Lab Control Sample Dup	121							
MB 500-831295/1-A	Method Blank	81							

Surrogate Legend

DCPAA = DCAA

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	DCPAA2 (25-130)							
310-313099-A-1-C MS	Matrix Spike	135 S1+							

Surrogate Legend

DCPAA = DCAA

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-464356/5
Matrix: Water
Analysis Batch: 464356

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 12:37	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 12:37	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 12:37	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 12:37	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 12:37	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 12:37	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/21/25 12:37	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 12:37	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/21/25 12:37	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 12:37	1
1,2-Dibromo-3-chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 12:37	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 12:37	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 12:37	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 12:37	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 12:37	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/21/25 12:37	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/21/25 12:37	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 12:37	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/21/25 12:37	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 12:37	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 12:37	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 12:37	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 12:37	1
Acrolein	<3.60		10.0	3.60	ug/L			08/21/25 12:37	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 12:37	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/21/25 12:37	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 12:37	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 12:37	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 12:37	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 12:37	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 12:37	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 12:37	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 12:37	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 12:37	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 12:37	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 12:37	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 12:37	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 12:37	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/21/25 12:37	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 12:37	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 12:37	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 12:37	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/21/25 12:37	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/21/25 12:37	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 12:37	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 12:37	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/21/25 12:37	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/21/25 12:37	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-464356/5
Matrix: Water
Analysis Batch: 464356

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/21/25 12:37	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/21/25 12:37	1
Methylene chloride	<1.70		5.00	1.70	ug/L			08/21/25 12:37	1
Naphthalene	<3.00		5.00	3.00	ug/L			08/21/25 12:37	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/21/25 12:37	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/21/25 12:37	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 12:37	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 12:37	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 12:37	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 12:37	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 12:37	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 12:37	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 12:37	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 12:37	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 12:37	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 12:37	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 12:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*76 - 130*		*08/21/25 12:37*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/21/25 12:37*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/21/25 12:37*	*1*

Lab Sample ID: LCS 310-464356/6
Matrix: Water
Analysis Batch: 464356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	20.37		ug/L		102	70 - 121
1,1,1-Trichloroethane	20.0	20.27		ug/L		101	69 - 130
1,1,2,2-Tetrachloroethane	20.0	20.95		ug/L		105	70 - 122
1,1,2-Trichloroethane	20.0	20.73		ug/L		104	75 - 121
1,1-Dichloroethane	20.0	20.69		ug/L		103	69 - 127
1,1-Dichloroethene	20.0	22.17		ug/L		111	64 - 134
1,1-Dichloropropene	20.0	21.63		ug/L		108	70 - 133
1,2,3-Trichloropropane	20.0	21.34		ug/L		107	70 - 122
1,2,4-Trichlorobenzene	20.0	20.86		ug/L		104	69 - 125
1,2-Dibromo-3-Chloropropane	20.0	20.37		ug/L		102	62 - 132
1,2-Dibromo-3-chloropropane	20.0	20.37		ug/L		102	62 - 132
1,2-Dibromoethane (EDB)	20.0	20.72		ug/L		104	74 - 122
1,2-Dichlorobenzene	20.0	19.71		ug/L		99	74 - 120
1,2-Dichloroethane	20.0	20.41		ug/L		102	68 - 125
1,2-Dichloropropane	20.0	20.80		ug/L		104	72 - 128
1,3-Dichlorobenzene	20.0	20.13		ug/L		101	71 - 120
1,3-Dichloropropane	20.0	20.34		ug/L		102	72 - 125
1,4-Dichlorobenzene	20.0	19.75		ug/L		99	72 - 120
2,2-Dichloropropane	20.0	21.84		ug/L		109	51 - 146
2-Butanone (MEK)	40.0	41.19		ug/L		103	60 - 134

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-464356/6
Matrix: Water
Analysis Batch: 464356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	42.16		ug/L		105	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	41.75		ug/L		104	62 - 136
Acetone	40.0	36.16		ug/L		90	59 - 136
Acrolein	94.8	119.1		ug/L		126	50 - 150
Acrylonitrile	200	202.5		ug/L		101	50 - 150
Allyl chloride	20.0	23.53		ug/L		118	61 - 136
Benzene	20.0	20.24		ug/L		101	71 - 125
Bromochloromethane	20.0	20.93		ug/L		105	69 - 131
Bromodichloromethane	20.0	19.12		ug/L		96	70 - 122
Bromoform	20.0	21.12		ug/L		106	62 - 122
Carbon disulfide	20.0	20.72		ug/L		104	58 - 137
Carbon tetrachloride	20.0	20.86		ug/L		104	63 - 136
Chlorobenzene	20.0	20.11		ug/L		101	74 - 120
Chlorodibromomethane	20.0	20.59		ug/L		103	69 - 121
Chloroform	20.0	19.16		ug/L		96	72 - 122
Chloroprene	20.0	21.13		ug/L		106	67 - 136
cis-1,2-Dichloroethene	20.0	20.50		ug/L		102	72 - 123
cis-1,3-Dichloropropene	20.0	20.69		ug/L		103	72 - 123
Dibromomethane	20.0	20.63		ug/L		103	72 - 122
Ethyl methacrylate	20.0	20.21		ug/L		101	68 - 128
Ethylbenzene	20.0	20.45		ug/L		102	75 - 120
Iodomethane	20.0	11.86		ug/L		59	18 - 150
Methacrylonitrile	200	204.3		ug/L		102	67 - 128
Methyl methacrylate	40.0	44.54		ug/L		111	69 - 129
Methylene Chloride	20.0	19.45		ug/L		97	72 - 128
Methylene chloride	20.0	19.45		ug/L		97	72 - 128
Naphthalene	20.0	20.70		ug/L		104	69 - 126
Propionitrile	200	201.3		ug/L		101	68 - 131
Styrene	20.0	19.49		ug/L		97	74 - 122
Tetrachloroethene	20.0	21.95		ug/L		110	70 - 128
Toluene	20.0	20.23		ug/L		101	74 - 120
trans-1,2-Dichloroethene	20.0	20.67		ug/L		103	67 - 127
trans-1,3-Dichloropropene	20.0	20.58		ug/L		103	67 - 123
trans-1,4-Dichloro-2-butene	20.0	20.06		ug/L		100	50 - 150
Trichloroethene	20.0	20.23		ug/L		101	70 - 128
Vinyl acetate	40.0	40.82		ug/L		102	50 - 150
Xylenes, Total	40.0	39.77		ug/L		99	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*76 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-464356/7
Matrix: Water
Analysis Batch: 464356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromomethane			20.0	20.27		ug/L		101	33 - 138		
Chloroethane			20.0	20.71		ug/L		104	59 - 139		
Chloromethane			20.0	20.62		ug/L		103	52 - 146		
Dichlorodifluoromethane			20.0	24.80		ug/L		124	45 - 150		
Trichlorofluoromethane			20.0	19.60		ug/L		98	55 - 150		
Vinyl chloride			20.0	22.81		ug/L		114	60 - 142		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*76 - 130*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*

Lab Sample ID: 310-313751-3 MS
Matrix: Water
Analysis Batch: 464356

Client Sample ID: MW-18_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane	<0.380		20.0	17.89		ug/L		89	55 - 121		
1,1,1-Trichloroethane	<0.190		20.0	14.75		ug/L		74	53 - 130		
1,1,2,2-Tetrachloroethane	<0.470		20.0	19.58		ug/L		98	55 - 123		
1,1,2-Trichloroethane	<0.450		20.0	19.29		ug/L		96	60 - 121		
1,1-Dichloroethane	<0.220		20.0	18.25		ug/L		91	53 - 127		
1,1-Dichloroethene	<0.560		20.0	14.63		ug/L		73	51 - 134		
1,1-Dichloropropene	<0.430		20.0	15.52		ug/L		78	55 - 133		
1,2,3-Trichloropropane	<0.590		20.0	19.68		ug/L		98	56 - 122		
1,2,4-Trichlorobenzene	<0.750		20.0	18.21		ug/L		91	55 - 126		
1,2-Dibromo-3-Chloropropane	<1.20		20.0	20.04		ug/L		100	44 - 138		
1,2-Dibromo-3-chloropropane	<1.20		20.0	20.04		ug/L		100	44 - 138		
1,2-Dibromoethane (EDB)	<0.340		20.0	19.00		ug/L		95	60 - 122		
1,2-Dichlorobenzene	<0.370		20.0	17.74		ug/L		89	60 - 120		
1,2-Dichloroethane	<0.390		20.0	19.39		ug/L		97	48 - 128		
1,2-Dichloropropane	<0.270		20.0	18.28		ug/L		91	59 - 128		
1,3-Dichlorobenzene	<0.300		20.0	17.87		ug/L		89	58 - 120		
1,3-Dichloropropane	<0.400		20.0	19.41		ug/L		97	58 - 125		
1,4-Dichlorobenzene	<0.230		20.0	17.48		ug/L		87	58 - 120		
2,2-Dichloropropane	<0.690		20.0	13.21		ug/L		66	34 - 146		
2-Butanone (MEK)	<2.10		40.0	40.27		ug/L		101	46 - 134		
2-Hexanone	<2.00		40.0	40.15		ug/L		100	46 - 141		
4-Methyl-2-pentanone (MIBK)	<2.10		40.0	39.83		ug/L		100	49 - 138		
Acetone	<3.10		40.0	31.62		ug/L		79	39 - 141		
Acrolein	<3.60		94.8	107.8		ug/L		114	39 - 150		
Acrylonitrile	<2.20		200	189.7		ug/L		95	41 - 150		
Allyl chloride	<0.700		20.0	19.05		ug/L		95	47 - 136		
Benzene	<0.220		20.0	17.12		ug/L		86	48 - 125		
Bromochloromethane	<0.540		20.0	19.76		ug/L		99	55 - 131		
Bromodichloromethane	<0.390		20.0	17.53		ug/L		88	53 - 122		
Bromoform	<0.780		20.0	19.77		ug/L		99	47 - 122		
Carbon disulfide	<0.450		20.0	16.79		ug/L		84	45 - 137		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-313751-3 MS
Matrix: Water
Analysis Batch: 464356

Client Sample ID: MW-18_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	<0.650		20.0	14.11		ug/L		71	45 - 136
Chlorobenzene	<0.400		20.0	17.38		ug/L		87	59 - 120
Chlorodibromomethane	<0.750		20.0	19.21		ug/L		96	53 - 121
Chloroform	<1.30		20.0	16.84		ug/L		84	52 - 122
Chloroprene	<0.230		20.0	15.89		ug/L		79	48 - 136
cis-1,2-Dichloroethene	<0.210		20.0	18.38		ug/L		92	51 - 123
cis-1,3-Dichloropropene	<0.250		20.0	17.43		ug/L		87	55 - 123
Dibromomethane	<0.330		20.0	19.51		ug/L		98	57 - 122
Ethyl methacrylate	<0.680		20.0	18.30		ug/L		91	53 - 129
Ethylbenzene	<0.310		20.0	15.91		ug/L		80	53 - 120
Iodomethane	<7.00		20.0	11.16		ug/L		56	18 - 150
Methacrylonitrile	<3.30		200	193.5		ug/L		97	53 - 128
Methyl methacrylate	<0.760		40.0	40.53		ug/L		101	48 - 137
Methylene Chloride	<1.70		20.0	17.42		ug/L		87	59 - 128
Methylene chloride	<1.70		20.0	17.42		ug/L		87	59 - 128
Naphthalene	<3.00		20.0	19.86		ug/L		99	45 - 144
Propionitrile	<3.40		200	192.1		ug/L		96	56 - 131
Styrene	<0.370		20.0	16.94		ug/L		85	50 - 125
Tetrachloroethene	<0.480		20.0	15.04		ug/L		75	51 - 128
Toluene	<0.430		20.0	16.75		ug/L		84	52 - 120
trans-1,2-Dichloroethene	<0.270		20.0	16.91		ug/L		85	53 - 127
trans-1,3-Dichloropropene	<0.560		20.0	17.65		ug/L		88	50 - 123
trans-1,4-Dichloro-2-butene	<1.10		20.0	18.18		ug/L		91	28 - 150
Trichloroethene	<0.430		20.0	16.02		ug/L		80	50 - 128
Vinyl acetate	<2.50		40.0	36.63		ug/L		92	31 - 150
Xylenes, Total	<0.400		40.0	31.91		ug/L		80	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*76 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Lab Sample ID: 310-313751-3 MSD
Matrix: Water
Analysis Batch: 464356

Client Sample ID: MW-18_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.380		20.0	18.24		ug/L		91	55 - 121	2	20
1,1,1-Trichloroethane	<0.190		20.0	15.19		ug/L		76	53 - 130	3	20
1,1,2,2-Tetrachloroethane	<0.470		20.0	20.23		ug/L		101	55 - 123	3	20
1,1,2-Trichloroethane	<0.450		20.0	18.88		ug/L		94	60 - 121	2	20
1,1-Dichloroethane	<0.220		20.0	17.60		ug/L		88	53 - 127	4	20
1,1-Dichloroethene	<0.560		20.0	13.60		ug/L		68	51 - 134	7	20
1,1-Dichloropropene	<0.430		20.0	15.21		ug/L		76	55 - 133	2	20
1,2,3-Trichloropropane	<0.590		20.0	19.82		ug/L		99	56 - 122	1	21
1,2,4-Trichlorobenzene	<0.750		20.0	19.48		ug/L		97	55 - 126	7	20
1,2-Dibromo-3-Chloropropane	<1.20		20.0	20.50		ug/L		102	44 - 138	2	24
1,2-Dibromo-3-chloropropane	<1.20		20.0	20.50		ug/L		102	44 - 138	2	24

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-313751-3 MSD
Matrix: Water
Analysis Batch: 464356

Client Sample ID: MW-18_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	<0.340		20.0	18.69		ug/L		93	60 - 122	2	20
1,2-Dichlorobenzene	<0.370		20.0	18.26		ug/L		91	60 - 120	3	20
1,2-Dichloroethane	<0.390		20.0	19.11		ug/L		96	48 - 128	1	20
1,2-Dichloropropane	<0.270		20.0	18.50		ug/L		93	59 - 128	1	20
1,3-Dichlorobenzene	<0.300		20.0	17.73		ug/L		89	58 - 120	1	20
1,3-Dichloropropane	<0.400		20.0	19.64		ug/L		98	58 - 125	1	20
1,4-Dichlorobenzene	<0.230		20.0	17.51		ug/L		88	58 - 120	0	20
2,2-Dichloropropane	<0.690		20.0	14.12		ug/L		71	34 - 146	7	20
2-Butanone (MEK)	<2.10		40.0	43.86		ug/L		110	46 - 134	9	23
2-Hexanone	<2.00		40.0	42.21		ug/L		106	46 - 141	5	20
4-Methyl-2-pentanone (MIBK)	<2.10		40.0	41.10		ug/L		103	49 - 138	3	20
Acetone	<3.10		40.0	36.76		ug/L		92	39 - 141	15	23
Acrolein	<3.60		94.8	105.5		ug/L		111	39 - 150	2	33
Acrylonitrile	<2.20		200	197.9		ug/L		99	41 - 150	4	20
Allyl chloride	<0.700		20.0	16.47		ug/L		82	47 - 136	15	33
Benzene	<0.220		20.0	16.89		ug/L		84	48 - 125	1	20
Bromochloromethane	<0.540		20.0	18.86		ug/L		94	55 - 131	5	21
Bromodichloromethane	<0.390		20.0	17.97		ug/L		90	53 - 122	2	20
Bromoform	<0.780		20.0	19.67		ug/L		98	47 - 122	0	20
Carbon disulfide	<0.450		20.0	15.12		ug/L		76	45 - 137	10	24
Carbon tetrachloride	<0.650		20.0	14.09		ug/L		70	45 - 136	0	20
Chlorobenzene	<0.400		20.0	16.93		ug/L		85	59 - 120	3	20
Chlorodibromomethane	<0.750		20.0	19.14		ug/L		96	53 - 121	0	20
Chloroform	<1.30		20.0	16.68		ug/L		83	52 - 122	1	20
Chloroprene	<0.230		20.0	15.31		ug/L		77	48 - 136	4	20
cis-1,2-Dichloroethene	<0.210		20.0	17.66		ug/L		88	51 - 123	4	20
cis-1,3-Dichloropropene	<0.250		20.0	17.71		ug/L		89	55 - 123	2	20
Dibromomethane	<0.330		20.0	18.97		ug/L		95	57 - 122	3	20
Ethyl methacrylate	<0.680		20.0	18.45		ug/L		92	53 - 129	1	20
Ethylbenzene	<0.310		20.0	15.54		ug/L		78	53 - 120	2	20
Iodomethane	<7.00		20.0	12.38		ug/L		62	18 - 150	10	32
Methacrylonitrile	<3.30		200	195.1		ug/L		98	53 - 128	1	20
Methyl methacrylate	<0.760		40.0	41.30		ug/L		103	48 - 137	2	20
Methylene Chloride	<1.70		20.0	17.71		ug/L		89	59 - 128	2	20
Methylene chloride	<1.70		20.0	17.71		ug/L		89	59 - 128	2	20
Naphthalene	<3.00		20.0	20.81		ug/L		104	45 - 144	5	32
Propionitrile	<3.40		200	207.4		ug/L		104	56 - 131	8	20
Styrene	<0.370		20.0	16.54		ug/L		83	50 - 125	2	20
Tetrachloroethene	<0.480		20.0	15.28		ug/L		76	51 - 128	2	20
Toluene	<0.430		20.0	16.26		ug/L		81	52 - 120	3	20
trans-1,2-Dichloroethene	<0.270		20.0	16.68		ug/L		83	53 - 127	1	20
trans-1,3-Dichloropropene	<0.560		20.0	17.71		ug/L		89	50 - 123	0	20
trans-1,4-Dichloro-2-butene	<1.10		20.0	18.34		ug/L		92	28 - 150	1	24
Trichloroethene	<0.430		20.0	15.73		ug/L		79	50 - 128	2	20
Vinyl acetate	<2.50		40.0	35.97		ug/L		90	31 - 150	2	25
Xylenes, Total	<0.400		40.0	31.18		ug/L		78	50 - 122	2	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-313751-3 MSD
Matrix: Water
Analysis Batch: 464356

Client Sample ID: MW-18_25_08
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	*100*		*76 - 130*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 310-464361/5
Matrix: Water
Analysis Batch: 464361

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/21/25 23:37	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/21/25 23:37	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/21/25 23:37	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/21/25 23:37	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/21/25 23:37	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/21/25 23:37	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/21/25 23:37	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/21/25 23:37	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/21/25 23:37	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/21/25 23:37	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/21/25 23:37	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/21/25 23:37	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/21/25 23:37	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/21/25 23:37	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/21/25 23:37	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/21/25 23:37	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/21/25 23:37	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/21/25 23:37	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/21/25 23:37	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/21/25 23:37	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/21/25 23:37	1
Acetone	<3.10		10.0	3.10	ug/L			08/21/25 23:37	1
Acrolein	<3.60		10.0	3.60	ug/L			08/21/25 23:37	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/21/25 23:37	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/21/25 23:37	1
Benzene	<0.220		0.500	0.220	ug/L			08/21/25 23:37	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/21/25 23:37	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/21/25 23:37	1
Bromoform	<0.780		5.00	0.780	ug/L			08/21/25 23:37	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/21/25 23:37	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/21/25 23:37	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/21/25 23:37	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/21/25 23:37	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/21/25 23:37	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/21/25 23:37	1
Chloroform	<1.30		3.00	1.30	ug/L			08/21/25 23:37	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/21/25 23:37	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/21/25 23:37	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/21/25 23:37	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-464361/5
Matrix: Water
Analysis Batch: 464361

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/21/25 23:37	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/21/25 23:37	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/21/25 23:37	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/21/25 23:37	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/21/25 23:37	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/21/25 23:37	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/21/25 23:37	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/21/25 23:37	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/21/25 23:37	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/21/25 23:37	1
Naphthalene	<3.00		5.00	3.00	ug/L			08/21/25 23:37	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/21/25 23:37	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/21/25 23:37	1
Styrene	<0.370		1.00	0.370	ug/L			08/21/25 23:37	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/21/25 23:37	1
Toluene	<0.430		1.00	0.430	ug/L			08/21/25 23:37	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/21/25 23:37	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/21/25 23:37	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/21/25 23:37	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/21/25 23:37	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/21/25 23:37	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/21/25 23:37	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/21/25 23:37	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/21/25 23:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*76 - 130*		*08/21/25 23:37*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/21/25 23:37*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/21/25 23:37*	*1*

Lab Sample ID: LCS 310-464361/6
Matrix: Water
Analysis Batch: 464361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	20.50		ug/L		103	70 - 121
1,1,1-Trichloroethane	20.0	20.00		ug/L		100	69 - 130
1,1,2,2-Tetrachloroethane	20.0	20.90		ug/L		104	70 - 122
1,1,2-Trichloroethane	20.0	20.50		ug/L		103	75 - 121
1,1-Dichloroethane	20.0	21.15		ug/L		106	69 - 127
1,1-Dichloroethene	20.0	21.72		ug/L		109	64 - 134
1,1-Dichloropropene	20.0	20.88		ug/L		104	70 - 133
1,2,3-Trichloropropane	20.0	20.72		ug/L		104	70 - 122
1,2,4-Trichlorobenzene	20.0	20.98		ug/L		105	69 - 125
1,2-Dibromo-3-Chloropropane	20.0	20.37		ug/L		102	62 - 132
1,2-Dibromoethane (EDB)	20.0	20.67		ug/L		103	74 - 122
1,2-Dichlorobenzene	20.0	20.63		ug/L		103	74 - 120
1,2-Dichloroethane	20.0	20.46		ug/L		102	68 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-464361/6
Matrix: Water
Analysis Batch: 464361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	20.0	20.37		ug/L		102	72 - 128
1,3-Dichlorobenzene	20.0	20.98		ug/L		105	71 - 120
1,3-Dichloropropane	20.0	20.92		ug/L		105	72 - 125
1,4-Dichlorobenzene	20.0	20.16		ug/L		101	72 - 120
2,2-Dichloropropane	20.0	17.80		ug/L		89	51 - 146
2-Butanone (MEK)	40.0	42.99		ug/L		107	60 - 134
2-Hexanone	40.0	40.82		ug/L		102	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	41.37		ug/L		103	62 - 136
Acetone	40.0	36.74		ug/L		92	59 - 136
Acrolein	94.8	91.13		ug/L		96	50 - 150
Acrylonitrile	200	202.0		ug/L		101	50 - 150
Allyl chloride	20.0	22.65		ug/L		113	61 - 136
Benzene	20.0	19.95		ug/L		100	71 - 125
Bromochloromethane	20.0	21.89		ug/L		109	69 - 131
Bromodichloromethane	20.0	19.59		ug/L		98	70 - 122
Bromoform	20.0	21.13		ug/L		106	62 - 122
Carbon disulfide	20.0	20.21		ug/L		101	58 - 137
Carbon tetrachloride	20.0	20.49		ug/L		102	63 - 136
Chlorobenzene	20.0	20.27		ug/L		101	74 - 120
Chlorodibromomethane	20.0	21.34		ug/L		107	69 - 121
Chloroform	20.0	18.79		ug/L		94	72 - 122
Chloroprene	20.0	20.79		ug/L		104	67 - 136
cis-1,2-Dichloroethene	20.0	20.26		ug/L		101	72 - 123
cis-1,3-Dichloropropene	20.0	19.58		ug/L		98	72 - 123
Dibromomethane	20.0	20.74		ug/L		104	72 - 122
Ethyl methacrylate	20.0	19.79		ug/L		99	68 - 128
Ethylbenzene	20.0	20.24		ug/L		101	75 - 120
Iodomethane	20.0	12.83		ug/L		64	18 - 150
Methacrylonitrile	200	204.0		ug/L		102	67 - 128
Methyl methacrylate	40.0	42.74		ug/L		107	69 - 129
Methylene Chloride	20.0	19.61		ug/L		98	72 - 128
Naphthalene	20.0	21.34		ug/L		107	69 - 126
Propionitrile	200	205.2		ug/L		103	68 - 131
Styrene	20.0	19.59		ug/L		98	74 - 122
Tetrachloroethene	20.0	21.07		ug/L		105	70 - 128
Toluene	20.0	20.35		ug/L		102	74 - 120
trans-1,2-Dichloroethene	20.0	20.17		ug/L		101	67 - 127
trans-1,3-Dichloropropene	20.0	19.54		ug/L		98	67 - 123
trans-1,4-Dichloro-2-butene	20.0	19.79		ug/L		99	50 - 150
Trichloroethene	20.0	20.43		ug/L		102	70 - 128
Vinyl acetate	40.0	37.06		ug/L		93	50 - 150
Xylenes, Total	40.0	39.05		ug/L		98	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*76 - 130*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-464361/7
Matrix: Water
Analysis Batch: 464361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromomethane			20.0	19.23		ug/L		96	33 - 138		
Chloroethane			20.0	19.95		ug/L		100	59 - 139		
Chloromethane			20.0	18.99		ug/L		95	52 - 146		
Dichlorodifluoromethane			20.0	23.85		ug/L		119	45 - 150		
Trichlorofluoromethane			20.0	22.54		ug/L		113	55 - 150		
Vinyl chloride			20.0	21.78		ug/L		109	60 - 142		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*76 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: 310-313465-C-4 MS
Matrix: Water
Analysis Batch: 464361

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane	<0.380		20.0	18.16		ug/L		91	55 - 121		
1,1,1-Trichloroethane	<0.190		20.0	15.66		ug/L		78	53 - 130		
1,1,2,2-Tetrachloroethane	<0.470		20.0	18.93		ug/L		95	55 - 123		
1,1,2-Trichloroethane	<0.450		20.0	18.80		ug/L		94	60 - 121		
1,1-Dichloroethane	<0.220		20.0	18.55		ug/L		93	53 - 127		
1,1-Dichloroethene	<0.560		20.0	17.70		ug/L		89	51 - 134		
1,1-Dichloropropene	<0.430		20.0	15.85		ug/L		79	55 - 133		
1,2,3-Trichloropropane	<0.590		20.0	19.30		ug/L		97	56 - 122		
1,2,4-Trichlorobenzene	<0.750		20.0	17.51		ug/L		88	55 - 126		
1,2-Dibromo-3-Chloropropane	<1.20		20.0	18.28		ug/L		91	44 - 138		
1,2-Dibromoethane (EDB)	<0.340		20.0	18.54		ug/L		93	60 - 122		
1,2-Dichlorobenzene	<0.370		20.0	18.04		ug/L		90	60 - 120		
1,2-Dichloroethane	<0.390		20.0	18.61		ug/L		93	48 - 128		
1,2-Dichloropropane	<0.270		20.0	18.08		ug/L		90	59 - 128		
1,3-Dichlorobenzene	<0.300		20.0	17.88		ug/L		89	58 - 120		
1,3-Dichloropropane	<0.400		20.0	18.87		ug/L		94	58 - 125		
1,4-Dichlorobenzene	<0.230		20.0	17.28		ug/L		86	58 - 120		
2,2-Dichloropropane	<0.690		20.0	11.87		ug/L		59	34 - 146		
2-Butanone (MEK)	<2.10		40.0	37.92		ug/L		95	46 - 134		
2-Hexanone	<2.00		40.0	37.63		ug/L		94	46 - 141		
4-Methyl-2-pentanone (MIBK)	<2.10		40.0	37.89		ug/L		95	49 - 138		
Acetone	<3.10		40.0	35.54		ug/L		89	39 - 141		
Acrolein	<3.60		94.8	95.28		ug/L		101	39 - 150		
Acrylonitrile	<2.20		200	189.3		ug/L		95	41 - 150		
Allyl chloride	<0.700		20.0	18.39		ug/L		92	47 - 136		
Benzene	<0.220		20.0	17.61		ug/L		88	48 - 125		
Bromochloromethane	<0.540		20.0	19.50		ug/L		98	55 - 131		
Bromodichloromethane	<0.390		20.0	17.36		ug/L		87	53 - 122		
Bromoform	<0.780		20.0	19.01		ug/L		95	47 - 122		
Carbon disulfide	<0.450		20.0	17.18		ug/L		86	45 - 137		
Carbon tetrachloride	1.60	J	20.0	16.74		ug/L		76	45 - 136		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-313465-C-4 MS
Matrix: Water
Analysis Batch: 464361

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	<0.400		20.0	17.45		ug/L		87	59 - 120
Chlorodibromomethane	<0.750		20.0	18.53		ug/L		93	53 - 121
Chloroform	<1.30		20.0	16.75		ug/L		84	52 - 122
Chloroprene	<0.230		20.0	16.58		ug/L		83	48 - 136
cis-1,2-Dichloroethene	<0.210		20.0	18.19		ug/L		91	51 - 123
cis-1,3-Dichloropropene	<0.250		20.0	16.89		ug/L		84	55 - 123
Dibromomethane	<0.330		20.0	18.64		ug/L		93	57 - 122
Ethyl methacrylate	<0.680		20.0	17.49		ug/L		87	53 - 129
Ethylbenzene	<0.310		20.0	16.06		ug/L		80	53 - 120
Iodomethane	<7.00		20.0	12.60		ug/L		63	18 - 150
Methacrylonitrile	<3.30		200	183.6		ug/L		92	53 - 128
Methyl methacrylate	<0.760		40.0	37.92		ug/L		95	48 - 137
Methylene Chloride	<1.70		20.0	17.37		ug/L		87	59 - 128
Naphthalene	<3.00		20.0	18.75		ug/L		94	45 - 144
Propionitrile	<3.40		200	190.9		ug/L		95	56 - 131
Styrene	<0.370		20.0	16.68		ug/L		83	50 - 125
Tetrachloroethene	<0.480		20.0	15.74		ug/L		79	51 - 128
Toluene	<0.430		20.0	17.09		ug/L		85	52 - 120
trans-1,2-Dichloroethene	<0.270		20.0	17.97		ug/L		90	53 - 127
trans-1,3-Dichloropropene	<0.560		20.0	16.03		ug/L		80	50 - 123
trans-1,4-Dichloro-2-butene	<1.10		20.0	16.77		ug/L		84	28 - 150
Trichloroethene	<0.430		20.0	16.75		ug/L		84	50 - 128
Vinyl acetate	<2.50		40.0	29.47		ug/L		74	31 - 150
Xylenes, Total	<0.400		40.0	32.45		ug/L		81	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*76 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

Lab Sample ID: 310-313465-C-4 MSD
Matrix: Water
Analysis Batch: 464361

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.380		20.0	18.39		ug/L		92	55 - 121	1	20
1,1,1-Trichloroethane	<0.190		20.0	15.97		ug/L		80	53 - 130	2	20
1,1,2,2-Tetrachloroethane	<0.470		20.0	19.20		ug/L		96	55 - 123	1	20
1,1,2-Trichloroethane	<0.450		20.0	19.06		ug/L		95	60 - 121	1	20
1,1-Dichloroethane	<0.220		20.0	18.11		ug/L		91	53 - 127	2	20
1,1-Dichloroethene	<0.560		20.0	15.47		ug/L		77	51 - 134	13	20
1,1-Dichloropropene	<0.430		20.0	16.31		ug/L		82	55 - 133	3	20
1,2,3-Trichloropropane	<0.590		20.0	19.31		ug/L		97	56 - 122	0	21
1,2,4-Trichlorobenzene	<0.750		20.0	18.77		ug/L		94	55 - 126	7	20
1,2-Dibromo-3-Chloropropane	<1.20		20.0	18.52		ug/L		93	44 - 138	1	24
1,2-Dibromoethane (EDB)	<0.340		20.0	18.55		ug/L		93	60 - 122	0	20
1,2-Dichlorobenzene	<0.370		20.0	18.00		ug/L		90	60 - 120	0	20
1,2-Dichloroethane	<0.390		20.0	18.82		ug/L		94	48 - 128	1	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-313465-C-4 MSD
Matrix: Water
Analysis Batch: 464361

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloropropane	<0.270		20.0	18.62		ug/L		93	59 - 128	3	20
1,3-Dichlorobenzene	<0.300		20.0	17.55		ug/L		88	58 - 120	2	20
1,3-Dichloropropane	<0.400		20.0	18.74		ug/L		94	58 - 125	1	20
1,4-Dichlorobenzene	<0.230		20.0	17.28		ug/L		86	58 - 120	0	20
2,2-Dichloropropane	<0.690		20.0	12.74		ug/L		64	34 - 146	7	20
2-Butanone (MEK)	<2.10		40.0	38.82		ug/L		97	46 - 134	2	23
2-Hexanone	<2.00		40.0	38.90		ug/L		97	46 - 141	3	20
4-Methyl-2-pentanone (MIBK)	<2.10		40.0	37.98		ug/L		95	49 - 138	0	20
Acetone	<3.10		40.0	35.66		ug/L		89	39 - 141	0	23
Acrolein	<3.60		94.8	99.74		ug/L		105	39 - 150	5	33
Acrylonitrile	<2.20		200	184.3		ug/L		92	41 - 150	3	20
Allyl chloride	<0.700		20.0	19.06		ug/L		95	47 - 136	4	33
Benzene	<0.220		20.0	17.23		ug/L		86	48 - 125	2	20
Bromochloromethane	<0.540		20.0	19.98		ug/L		100	55 - 131	2	21
Bromodichloromethane	<0.390		20.0	17.61		ug/L		88	53 - 122	1	20
Bromoform	<0.780		20.0	18.93		ug/L		95	47 - 122	0	20
Carbon disulfide	<0.450		20.0	16.41		ug/L		82	45 - 137	5	24
Carbon tetrachloride	1.60	J	20.0	17.22		ug/L		78	45 - 136	3	20
Chlorobenzene	<0.400		20.0	17.51		ug/L		88	59 - 120	0	20
Chlorodibromomethane	<0.750		20.0	18.73		ug/L		94	53 - 121	1	20
Chloroform	<1.30		20.0	16.88		ug/L		84	52 - 122	1	20
Chloroprene	<0.230		20.0	16.88		ug/L		84	48 - 136	2	20
cis-1,2-Dichloroethene	<0.210		20.0	18.03		ug/L		90	51 - 123	1	20
cis-1,3-Dichloropropene	<0.250		20.0	17.44		ug/L		87	55 - 123	3	20
Dibromomethane	<0.330		20.0	19.50		ug/L		98	57 - 122	5	20
Ethyl methacrylate	<0.680		20.0	17.00		ug/L		85	53 - 129	3	20
Ethylbenzene	<0.310		20.0	16.45		ug/L		82	53 - 120	2	20
Iodomethane	<7.00		20.0	13.04		ug/L		65	18 - 150	3	32
Methacrylonitrile	<3.30		200	187.9		ug/L		94	53 - 128	2	20
Methyl methacrylate	<0.760		40.0	40.28		ug/L		101	48 - 137	6	20
Methylene Chloride	<1.70		20.0	16.99		ug/L		85	59 - 128	2	20
Naphthalene	<3.00		20.0	19.34		ug/L		97	45 - 144	3	32
Propionitrile	<3.40		200	193.8		ug/L		97	56 - 131	2	20
Styrene	<0.370		20.0	16.62		ug/L		83	50 - 125	0	20
Tetrachloroethene	<0.480		20.0	15.90		ug/L		80	51 - 128	1	20
Toluene	<0.430		20.0	17.15		ug/L		86	52 - 120	0	20
trans-1,2-Dichloroethene	<0.270		20.0	17.21		ug/L		86	53 - 127	4	20
trans-1,3-Dichloropropene	<0.560		20.0	16.95		ug/L		85	50 - 123	6	20
trans-1,4-Dichloro-2-butene	<1.10		20.0	16.47		ug/L		82	28 - 150	2	24
Trichloroethene	<0.430		20.0	16.60		ug/L		83	50 - 128	1	20
Vinyl acetate	<2.50		40.0	28.93		ug/L		72	31 - 150	2	25
Xylenes, Total	<0.400		40.0	32.31		ug/L		81	50 - 122	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*76 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-464657/5
Matrix: Water
Analysis Batch: 464657

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/25/25 19:57	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/25/25 19:57	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/25/25 19:57	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/25/25 19:57	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/25/25 19:57	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/25/25 19:57	1
1,1-Dichloropropene	<0.430		1.00	0.430	ug/L			08/25/25 19:57	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/25/25 19:57	1
1,2,4-Trichlorobenzene	<0.750		5.00	0.750	ug/L			08/25/25 19:57	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/25/25 19:57	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/25/25 19:57	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/25/25 19:57	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/25/25 19:57	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/25/25 19:57	1
1,3-Dichlorobenzene	<0.300		1.00	0.300	ug/L			08/25/25 19:57	1
1,3-Dichloropropane	<0.400		1.00	0.400	ug/L			08/25/25 19:57	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/25/25 19:57	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			08/25/25 19:57	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/25/25 19:57	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/25/25 19:57	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/25/25 19:57	1
Acetone	<3.10		10.0	3.10	ug/L			08/25/25 19:57	1
Acrolein	<3.60		10.0	3.60	ug/L			08/25/25 19:57	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/25/25 19:57	1
Allyl chloride	<0.700		2.00	0.700	ug/L			08/25/25 19:57	1
Benzene	<0.220		0.500	0.220	ug/L			08/25/25 19:57	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/25/25 19:57	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/25/25 19:57	1
Bromoform	<0.780		5.00	0.780	ug/L			08/25/25 19:57	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/25/25 19:57	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/25/25 19:57	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/25/25 19:57	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/25/25 19:57	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/25/25 19:57	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/25/25 19:57	1
Chloroform	<1.30		3.00	1.30	ug/L			08/25/25 19:57	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/25/25 19:57	1
Chloroprene	<0.230		1.00	0.230	ug/L			08/25/25 19:57	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/25/25 19:57	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/25/25 19:57	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/25/25 19:57	1
Dichlorodifluoromethane	<0.250		3.00	0.250	ug/L			08/25/25 19:57	1
Ethyl methacrylate	<0.680		2.00	0.680	ug/L			08/25/25 19:57	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/25/25 19:57	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/25/25 19:57	1
m,p-Xylene	<0.380		2.00	0.380	ug/L			08/25/25 19:57	1
Methacrylonitrile	<3.30		10.0	3.30	ug/L			08/25/25 19:57	1
Methyl methacrylate	<0.760		2.00	0.760	ug/L			08/25/25 19:57	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-464657/5
Matrix: Water
Analysis Batch: 464657

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/25/25 19:57	1
Naphthalene	<3.00		5.00	3.00	ug/L			08/25/25 19:57	1
o-Xylene	<0.400		1.00	0.400	ug/L			08/25/25 19:57	1
Propionitrile	<3.40		10.0	3.40	ug/L			08/25/25 19:57	1
Styrene	<0.370		1.00	0.370	ug/L			08/25/25 19:57	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/25/25 19:57	1
Toluene	<0.430		1.00	0.430	ug/L			08/25/25 19:57	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/25/25 19:57	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/25/25 19:57	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/25/25 19:57	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/25/25 19:57	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/25/25 19:57	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/25/25 19:57	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/25/25 19:57	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/25/25 19:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*76 - 130*		*08/25/25 19:57*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/25/25 19:57*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*08/25/25 19:57*	*1*

Lab Sample ID: LCS 310-464657/6
Matrix: Water
Analysis Batch: 464657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	20.64		ug/L		103	70 - 121
1,1,1-Trichloroethane	20.0	19.56		ug/L		98	69 - 130
1,1,2,2-Tetrachloroethane	20.0	20.38		ug/L		102	70 - 122
1,1,2-Trichloroethane	20.0	20.29		ug/L		101	75 - 121
1,1-Dichloroethane	20.0	19.92		ug/L		100	69 - 127
1,1-Dichloroethene	20.0	20.54		ug/L		103	64 - 134
1,1-Dichloropropene	20.0	19.91		ug/L		100	70 - 133
1,2,3-Trichloropropane	20.0	20.31		ug/L		102	70 - 122
1,2,4-Trichlorobenzene	20.0	20.68		ug/L		103	69 - 125
1,2-Dibromo-3-Chloropropane	20.0	20.43		ug/L		102	62 - 132
1,2-Dibromoethane (EDB)	20.0	20.09		ug/L		100	74 - 122
1,2-Dichlorobenzene	20.0	19.57		ug/L		98	74 - 120
1,2-Dichloroethane	20.0	20.15		ug/L		101	68 - 125
1,2-Dichloropropane	20.0	20.23		ug/L		101	72 - 128
1,3-Dichlorobenzene	20.0	19.79		ug/L		99	71 - 120
1,3-Dichloropropane	20.0	20.20		ug/L		101	72 - 125
1,4-Dichlorobenzene	20.0	19.18		ug/L		96	72 - 120
2,2-Dichloropropane	20.0	19.19		ug/L		96	51 - 146
2-Butanone (MEK)	40.0	40.44		ug/L		101	60 - 134
2-Hexanone	40.0	40.05		ug/L		100	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	40.14		ug/L		100	62 - 136
Acetone	40.0	34.78		ug/L		87	59 - 136

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-464657/6
Matrix: Water
Analysis Batch: 464657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acrolein	94.8	98.67		ug/L		104	50 - 150
Acrylonitrile	200	193.3		ug/L		97	50 - 150
Allyl chloride	20.0	22.09		ug/L		110	61 - 136
Benzene	20.0	19.31		ug/L		97	71 - 125
Bromochloromethane	20.0	20.38		ug/L		102	69 - 131
Bromodichloromethane	20.0	18.93		ug/L		95	70 - 122
Bromoform	20.0	21.16		ug/L		106	62 - 122
Carbon disulfide	20.0	18.84		ug/L		94	58 - 137
Carbon tetrachloride	20.0	20.00		ug/L		100	63 - 136
Chlorobenzene	20.0	19.75		ug/L		99	74 - 120
Chlorodibromomethane	20.0	20.61		ug/L		103	69 - 121
Chloroform	20.0	18.53		ug/L		93	72 - 122
Chloroprene	20.0	19.66		ug/L		98	67 - 136
cis-1,2-Dichloroethene	20.0	19.84		ug/L		99	72 - 123
cis-1,3-Dichloropropene	20.0	19.46		ug/L		97	72 - 123
Dibromomethane	20.0	19.87		ug/L		99	72 - 122
Ethyl methacrylate	20.0	19.04		ug/L		95	68 - 128
Ethylbenzene	20.0	19.43		ug/L		97	75 - 120
Iodomethane	20.0	<7.00		ug/L		35	18 - 150
Methacrylonitrile	200	197.2		ug/L		99	67 - 128
Methyl methacrylate	40.0	43.55		ug/L		109	69 - 129
Methylene Chloride	20.0	18.34		ug/L		92	72 - 128
Naphthalene	20.0	20.14		ug/L		101	69 - 126
Propionitrile	200	196.1		ug/L		98	68 - 131
Styrene	20.0	18.78		ug/L		94	74 - 122
Tetrachloroethene	20.0	20.78		ug/L		104	70 - 128
Toluene	20.0	19.61		ug/L		98	74 - 120
trans-1,2-Dichloroethene	20.0	19.56		ug/L		98	67 - 127
trans-1,3-Dichloropropene	20.0	20.02		ug/L		100	67 - 123
trans-1,4-Dichloro-2-butene	20.0	19.00		ug/L		95	50 - 150
Trichloroethene	20.0	19.26		ug/L		96	70 - 128
Vinyl acetate	40.0	38.86		ug/L		97	50 - 150
Xylenes, Total	40.0	37.93		ug/L		95	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*76 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: LCS 310-464657/7
Matrix: Water
Analysis Batch: 464657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	16.43		ug/L		82	33 - 138
Chloroethane	20.0	20.57		ug/L		103	59 - 139
Chloromethane	20.0	17.69		ug/L		88	52 - 146
Dichlorodifluoromethane	20.0	22.36		ug/L		112	45 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-464657/7
Matrix: Water
Analysis Batch: 464657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Trichlorofluoromethane			20.0	18.91		ug/L		95	55 - 150		
Vinyl chloride			20.0	21.91		ug/L		110	60 - 142		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*76 - 130*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: 310-313882-M-3 MS
Matrix: Water
Analysis Batch: 464657

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane	<0.380		20.0	15.94		ug/L		80	55 - 121		
1,1,1-Trichloroethane	<0.190		20.0	15.45		ug/L		77	53 - 130		
1,1,2,2-Tetrachloroethane	<0.470		20.0	17.33		ug/L		87	55 - 123		
1,1,2-Trichloroethane	<0.450		20.0	18.30		ug/L		92	60 - 121		
1,1-Dichloroethane	<0.220		20.0	16.58		ug/L		83	53 - 127		
1,1-Dichloroethene	<0.560		20.0	16.31		ug/L		82	51 - 134		
1,1-Dichloropropene	<0.430		20.0	15.85		ug/L		79	55 - 133		
1,2,3-Trichloropropane	<0.590		20.0	17.02		ug/L		85	56 - 122		
1,2,4-Trichlorobenzene	<0.750		20.0	17.34		ug/L		87	55 - 126		
1,2-Dibromo-3-Chloropropane	<1.20		20.0	17.22		ug/L		86	44 - 138		
1,2-Dibromoethane (EDB)	<0.340		20.0	16.50		ug/L		82	60 - 122		
1,2-Dichlorobenzene	<0.370		20.0	15.92		ug/L		80	60 - 120		
1,2-Dichloroethane	<0.390		20.0	17.60		ug/L		88	48 - 128		
1,2-Dichloropropane	<0.270		20.0	16.31		ug/L		82	59 - 128		
1,3-Dichlorobenzene	<0.300		20.0	16.18		ug/L		81	58 - 120		
1,3-Dichloropropane	<0.400		20.0	16.83		ug/L		84	58 - 125		
1,4-Dichlorobenzene	<0.230		20.0	15.79		ug/L		79	58 - 120		
2,2-Dichloropropane	<0.690		20.0	12.68		ug/L		63	34 - 146		
2-Butanone (MEK)	8.62	J	40.0	38.26		ug/L		74	46 - 134		
2-Hexanone	<2.00		40.0	37.90		ug/L		95	46 - 141		
4-Methyl-2-pentanone (MIBK)	<2.10		40.0	37.02		ug/L		93	49 - 138		
Acetone	15.5		40.0	36.83		ug/L		53	39 - 141		
Acrolein	<3.60		94.8	78.44		ug/L		83	39 - 150		
Acrylonitrile	15.4		200	176.1		ug/L		80	41 - 150		
Allyl chloride	<0.700		20.0	17.16		ug/L		86	47 - 136		
Benzene	3.01		20.0	18.63		ug/L		78	48 - 125		
Bromochloromethane	<0.540		20.0	16.84		ug/L		84	55 - 131		
Bromodichloromethane	<0.390		20.0	22.35		ug/L		112	53 - 122		
Bromoform	<0.780		20.0	16.74		ug/L		84	47 - 122		
Carbon disulfide	<0.450		20.0	15.52		ug/L		78	45 - 137		
Carbon tetrachloride	<0.650		20.0	14.96		ug/L		75	45 - 136		
Chlorobenzene	<0.400		20.0	16.41		ug/L		82	59 - 120		
Chlorodibromomethane	<0.750		20.0	16.50		ug/L		83	53 - 121		
Chloroform	6.44		20.0	19.39		ug/L		65	52 - 122		
Chloroprene	<0.230		20.0	15.86		ug/L		79	48 - 136		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-313882-M-3 MS
Matrix: Water
Analysis Batch: 464657

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	<0.210		20.0	15.91		ug/L		80	51 - 123
cis-1,3-Dichloropropene	<0.250		20.0	15.35		ug/L		77	55 - 123
Dibromomethane	<0.330		20.0	16.81		ug/L		84	57 - 122
Ethyl methacrylate	<0.680		20.0	20.28		ug/L		101	53 - 129
Ethylbenzene	<0.310		20.0	15.72		ug/L		79	53 - 120
Iodomethane	<7.00	F1	20.0	<7.00	F1	ug/L		0	18 - 150
Methacrylonitrile	<3.30		200	166.7		ug/L		83	53 - 128
Methyl methacrylate	<0.760		40.0	51.59		ug/L		129	48 - 137
Methylene Chloride	<1.70		20.0	15.69		ug/L		78	59 - 128
Naphthalene	<3.00		20.0	19.69		ug/L		98	45 - 144
Propionitrile	<3.40		200	166.4		ug/L		83	56 - 131
Styrene	<0.370		20.0	15.06		ug/L		75	50 - 125
Tetrachloroethene	<0.480		20.0	16.19		ug/L		81	51 - 128
Toluene	0.473	J	20.0	16.24		ug/L		79	52 - 120
trans-1,2-Dichloroethene	<0.270		20.0	16.05		ug/L		80	53 - 127
trans-1,3-Dichloropropene	<0.560		20.0	15.51		ug/L		78	50 - 123
trans-1,4-Dichloro-2-butene	<1.10		20.0	15.11		ug/L		76	28 - 150
Trichloroethene	<0.430		20.0	15.84		ug/L		79	50 - 128
Vinyl acetate	<2.50		40.0	29.15		ug/L		73	31 - 150
Xylenes, Total	<0.400		40.0	31.19		ug/L		78	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*76 - 130*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*

Lab Sample ID: 310-313882-M-3 MSD
Matrix: Water
Analysis Batch: 464657

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.380		20.0	16.48		ug/L		82	55 - 121	3	20
1,1,1-Trichloroethane	<0.190		20.0	15.70		ug/L		79	53 - 130	2	20
1,1,2,2-Tetrachloroethane	<0.470		20.0	16.95		ug/L		85	55 - 123	2	20
1,1,2-Trichloroethane	<0.450		20.0	17.71		ug/L		89	60 - 121	3	20
1,1-Dichloroethane	<0.220		20.0	17.06		ug/L		85	53 - 127	3	20
1,1-Dichloroethene	<0.560		20.0	16.28		ug/L		81	51 - 134	0	20
1,1-Dichloropropene	<0.430		20.0	15.84		ug/L		79	55 - 133	0	20
1,2,3-Trichloropropane	<0.590		20.0	17.42		ug/L		87	56 - 122	2	21
1,2,4-Trichlorobenzene	<0.750		20.0	17.91		ug/L		90	55 - 126	3	20
1,2-Dibromo-3-Chloropropane	<1.20		20.0	17.51		ug/L		88	44 - 138	2	24
1,2-Dibromoethane (EDB)	<0.340		20.0	16.70		ug/L		84	60 - 122	1	20
1,2-Dichlorobenzene	<0.370		20.0	16.54		ug/L		83	60 - 120	4	20
1,2-Dichloroethane	<0.390		20.0	17.89		ug/L		89	48 - 128	2	20
1,2-Dichloropropane	<0.270		20.0	16.65		ug/L		83	59 - 128	2	20
1,3-Dichlorobenzene	<0.300		20.0	16.73		ug/L		84	58 - 120	3	20
1,3-Dichloropropane	<0.400		20.0	17.35		ug/L		87	58 - 125	3	20
1,4-Dichlorobenzene	<0.230		20.0	16.25		ug/L		81	58 - 120	3	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-313882-M-3 MSD
Matrix: Water
Analysis Batch: 464657

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,2-Dichloropropane	<0.690		20.0	13.43		ug/L		67	34 - 146	6	20
2-Butanone (MEK)	8.62	J	40.0	39.49		ug/L		77	46 - 134	3	23
2-Hexanone	<2.00		40.0	37.73		ug/L		94	46 - 141	0	20
4-Methyl-2-pentanone (MIBK)	<2.10		40.0	42.40		ug/L		106	49 - 138	14	20
Acetone	15.5		40.0	40.74		ug/L		63	39 - 141	10	23
Acrolein	<3.60		94.8	78.77		ug/L		83	39 - 150	0	33
Acrylonitrile	15.4		200	175.4		ug/L		80	41 - 150	0	20
Allyl chloride	<0.700		20.0	15.82		ug/L		79	47 - 136	8	33
Benzene	3.01		20.0	18.77		ug/L		79	48 - 125	1	20
Bromochloromethane	<0.540		20.0	16.85		ug/L		84	55 - 131	0	21
Bromodichloromethane	<0.390		20.0	23.43		ug/L		117	53 - 122	5	20
Bromoform	<0.780		20.0	16.69		ug/L		83	47 - 122	0	20
Carbon disulfide	<0.450		20.0	14.69		ug/L		73	45 - 137	5	24
Carbon tetrachloride	<0.650		20.0	15.58		ug/L		78	45 - 136	4	20
Chlorobenzene	<0.400		20.0	15.91		ug/L		80	59 - 120	3	20
Chlorodibromomethane	<0.750		20.0	16.50		ug/L		82	53 - 121	0	20
Chloroform	6.44		20.0	19.57		ug/L		66	52 - 122	1	20
Chloroprene	<0.230		20.0	15.62		ug/L		78	48 - 136	2	20
cis-1,2-Dichloroethene	<0.210		20.0	16.65		ug/L		83	51 - 123	5	20
cis-1,3-Dichloropropene	<0.250		20.0	15.75		ug/L		79	55 - 123	3	20
Dibromomethane	<0.330		20.0	17.13		ug/L		86	57 - 122	2	20
Ethyl methacrylate	<0.680		20.0	19.90		ug/L		99	53 - 129	2	20
Ethylbenzene	<0.310		20.0	15.66		ug/L		78	53 - 120	0	20
Iodomethane	<7.00	F1	20.0	7.132	J	ug/L		36	18 - 150	NC	32
Methacrylonitrile	<3.30		200	163.9		ug/L		82	53 - 128	2	20
Methyl methacrylate	<0.760		40.0	51.60		ug/L		129	48 - 137	0	20
Methylene Chloride	<1.70		20.0	15.23		ug/L		76	59 - 128	3	20
Naphthalene	<3.00		20.0	19.06		ug/L		95	45 - 144	3	32
Propionitrile	<3.40		200	171.3		ug/L		86	56 - 131	3	20
Styrene	<0.370		20.0	15.25		ug/L		76	50 - 125	1	20
Tetrachloroethene	<0.480		20.0	15.89		ug/L		79	51 - 128	2	20
Toluene	0.473	J	20.0	16.10		ug/L		78	52 - 120	1	20
trans-1,2-Dichloroethene	<0.270		20.0	16.06		ug/L		80	53 - 127	0	20
trans-1,3-Dichloropropene	<0.560		20.0	16.24		ug/L		81	50 - 123	5	20
trans-1,4-Dichloro-2-butene	<1.10		20.0	15.21		ug/L		76	28 - 150	1	24
Trichloroethene	<0.430		20.0	16.23		ug/L		81	50 - 128	2	20
Vinyl acetate	<2.50		40.0	30.29		ug/L		76	31 - 150	4	25
Xylenes, Total	<0.400		40.0	30.72		ug/L		77	50 - 122	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*76 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 310-464458/1-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464458

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.540		10.0	0.540	ug/L		08/22/25 08:55	08/29/25 00:04	1
1,3,5-Trinitrobenzene	<2.30		10.0	2.30	ug/L		08/22/25 08:55	08/29/25 00:04	1
1,3-Dinitrobenzene	<3.20		10.0	3.20	ug/L		08/22/25 08:55	08/29/25 00:04	1
1,4-Naphthoquinone	<3.60		10.0	3.60	ug/L		08/22/25 08:55	08/29/25 00:04	1
1,4-phenylenediamine	<1.90		10.0	1.90	ug/L		08/22/25 08:55	08/29/25 00:04	1
1-Naphthylamine	<2.50		10.0	2.50	ug/L		08/22/25 08:55	08/29/25 00:04	1
2,3,4,6-Tetrachlorophenol	<5.30		10.0	5.30	ug/L		08/22/25 08:55	08/29/25 00:04	1
2,4,5-Trichlorophenol	<5.30		10.0	5.30	ug/L		08/22/25 08:55	08/29/25 00:04	1
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		08/22/25 08:55	08/29/25 00:04	1
2,4-Dichlorophenol	<0.850		10.0	0.850	ug/L		08/22/25 08:55	08/29/25 00:04	1
2,4-Dimethylphenol	<0.580		10.0	0.580	ug/L		08/22/25 08:55	08/29/25 00:04	1
2,4-Dinitrophenol	<13.0		20.0	13.0	ug/L		08/22/25 08:55	08/29/25 00:04	1
2,4-Dinitrotoluene	<6.40		10.0	6.40	ug/L		08/22/25 08:55	08/29/25 00:04	1
2,6-Dichlorophenol	<0.690		10.0	0.690	ug/L		08/22/25 08:55	08/29/25 00:04	1
2,6-Dinitrotoluene	<0.520		10.0	0.520	ug/L		08/22/25 08:55	08/29/25 00:04	1
2-Acetylaminofluorene	<2.70		10.0	2.70	ug/L		08/22/25 08:55	08/29/25 00:04	1
2-Chloronaphthalene	<0.640		10.0	0.640	ug/L		08/22/25 08:55	08/29/25 00:04	1
2-Chlorophenol	<0.540		10.0	0.540	ug/L		08/22/25 08:55	08/29/25 00:04	1
2-Methylnaphthalene	<0.590		10.0	0.590	ug/L		08/22/25 08:55	08/29/25 00:04	1
2-Methylphenol	<0.650		10.0	0.650	ug/L		08/22/25 08:55	08/29/25 00:04	1
2-Naphthylamine	<2.10		10.0	2.10	ug/L		08/22/25 08:55	08/29/25 00:04	1
2-Nitroaniline	<5.90		10.0	5.90	ug/L		08/22/25 08:55	08/29/25 00:04	1
2-Nitrophenol	<6.80		10.0	6.80	ug/L		08/22/25 08:55	08/29/25 00:04	1
3,3'-Dichlorobenzidine	<1.40		10.0	1.40	ug/L		08/22/25 08:55	08/29/25 00:04	1
3,3'-Dimethylbenzidine	<1.50		10.0	1.50	ug/L		08/22/25 08:55	08/29/25 00:04	1
3-Methylcholanthrene	<0.320		10.0	0.320	ug/L		08/22/25 08:55	08/29/25 00:04	1
3-Nitroaniline	<2.70		10.0	2.70	ug/L		08/22/25 08:55	08/29/25 00:04	1
4,6-Dinitro-2-methylphenol	<6.90		10.0	6.90	ug/L		08/22/25 08:55	08/29/25 00:04	1
4-Aminobiphenyl	<2.20		10.0	2.20	ug/L		08/22/25 08:55	08/29/25 00:04	1
4-Bromophenyl phenyl ether	<0.700		10.0	0.700	ug/L		08/22/25 08:55	08/29/25 00:04	1
4-Chloro-3-methylphenol	<0.840		10.0	0.840	ug/L		08/22/25 08:55	08/29/25 00:04	1
4-Chloroaniline	<0.620		10.0	0.620	ug/L		08/22/25 08:55	08/29/25 00:04	1
4-Chlorophenyl phenyl ether	<0.690		10.0	0.690	ug/L		08/22/25 08:55	08/29/25 00:04	1
Methylphenol, 3 & 4	<0.700		10.0	0.700	ug/L		08/22/25 08:55	08/29/25 00:04	1
4-Nitroaniline	<1.30		10.0	1.30	ug/L		08/22/25 08:55	08/29/25 00:04	1
4-Nitrophenol	<7.60		10.0	7.60	ug/L		08/22/25 08:55	08/29/25 00:04	1
5-Nitro-o-toluidine	<2.80		10.0	2.80	ug/L		08/22/25 08:55	08/29/25 00:04	1
7,12-Dimethylbenz(a)anthracene	<1.90		10.0	1.90	ug/L		08/22/25 08:55	08/29/25 00:04	1
Acenaphthene	<0.640		10.0	0.640	ug/L		08/22/25 08:55	08/29/25 00:04	1
Acenaphthylene	<0.720		10.0	0.720	ug/L		08/22/25 08:55	08/29/25 00:04	1
Acetophenone	<0.690		10.0	0.690	ug/L		08/22/25 08:55	08/29/25 00:04	1
Anthracene	<0.870		10.0	0.870	ug/L		08/22/25 08:55	08/29/25 00:04	1
Benzo[a]anthracene	<0.850		10.0	0.850	ug/L		08/22/25 08:55	08/29/25 00:04	1
Benzo[a]pyrene	<8.10		10.0	8.10	ug/L		08/22/25 08:55	08/29/25 00:04	1
Benzo[b]fluoranthene	<4.90		10.0	4.90	ug/L		08/22/25 08:55	08/29/25 00:04	1
Benzo[g,h,i]perylene	<6.30		10.0	6.30	ug/L		08/22/25 08:55	08/29/25 00:04	1
Benzo[k]fluoranthene	<2.20		10.0	2.20	ug/L		08/22/25 08:55	08/29/25 00:04	1
Benzyl alcohol	<1.30		10.0	1.30	ug/L		08/22/25 08:55	08/29/25 00:04	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-464458/1-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464458

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	<0.760		10.0	0.760	ug/L		08/22/25 08:55	08/29/25 00:04	1
Bis(2-chloroethyl)ether	<0.820		10.0	0.820	ug/L		08/22/25 08:55	08/29/25 00:04	1
2,2'-oxybis[1-chloropropane]	<0.540		10.0	0.540	ug/L		08/22/25 08:55	08/29/25 00:04	1
Bis(2-ethylhexyl) phthalate	<5.50		10.0	5.50	ug/L		08/22/25 08:55	08/29/25 00:04	1
Butyl benzyl phthalate	<5.40		10.0	5.40	ug/L		08/22/25 08:55	08/29/25 00:04	1
Chlorobenzilate	<3.60		10.0	3.60	ug/L		08/22/25 08:55	08/29/25 00:04	1
Chrysene	<0.870		10.0	0.870	ug/L		08/22/25 08:55	08/29/25 00:04	1
Diallate	<4.00		10.0	4.00	ug/L		08/22/25 08:55	08/29/25 00:04	1
Dibenzo(a,h)anthracene	<3.90		10.0	3.90	ug/L		08/22/25 08:55	08/29/25 00:04	1
Dibenzofuran	<0.740		10.0	0.740	ug/L		08/22/25 08:55	08/29/25 00:04	1
Diethyl phthalate	<1.70		10.0	1.70	ug/L		08/22/25 08:55	08/29/25 00:04	1
Dimethoate	<3.60		10.0	3.60	ug/L		08/22/25 08:55	08/29/25 00:04	1
Dimethyl phthalate	<1.00		10.0	1.00	ug/L		08/22/25 08:55	08/29/25 00:04	1
Di-n-butyl phthalate	<5.60		10.0	5.60	ug/L		08/22/25 08:55	08/29/25 00:04	1
Di-n-octyl phthalate	<7.00		20.0	7.00	ug/L		08/22/25 08:55	08/29/25 00:04	1
Dinoseb	<2.40		10.0	2.40	ug/L		08/22/25 08:55	08/29/25 00:04	1
Diphenylamine	<6.00		10.0	6.00	ug/L		08/22/25 08:55	08/29/25 00:04	1
Disulfoton	<2.40		10.0	2.40	ug/L		08/22/25 08:55	08/29/25 00:04	1
Ethyl methanesulfonate	<3.60		10.0	3.60	ug/L		08/22/25 08:55	08/29/25 00:04	1
Ethyl Parathion	<2.20		10.0	2.20	ug/L		08/22/25 08:55	08/29/25 00:04	1
Famphur	<3.80		10.0	3.80	ug/L		08/22/25 08:55	08/29/25 00:04	1
Fluoranthene	<1.70		10.0	1.70	ug/L		08/22/25 08:55	08/29/25 00:04	1
Fluorene	<0.790		10.0	0.790	ug/L		08/22/25 08:55	08/29/25 00:04	1
Hexachlorobenzene	<0.700		10.0	0.700	ug/L		08/22/25 08:55	08/29/25 00:04	1
Hexachlorobutadiene	<0.860		10.0	0.860	ug/L		08/22/25 08:55	08/29/25 00:04	1
Hexachlorocyclopentadiene	<5.10		10.0	5.10	ug/L		08/22/25 08:55	08/29/25 00:04	1
Hexachloroethane	<0.970		10.0	0.970	ug/L		08/22/25 08:55	08/29/25 00:04	1
Hexachloropropene	<2.60		10.0	2.60	ug/L		08/22/25 08:55	08/29/25 00:04	1
Indeno[1,2,3-cd]pyrene	<4.20		10.0	4.20	ug/L		08/22/25 08:55	08/29/25 00:04	1
Isodrin	<4.70		10.0	4.70	ug/L		08/22/25 08:55	08/29/25 00:04	1
Isophorone	<0.930		10.0	0.930	ug/L		08/22/25 08:55	08/29/25 00:04	1
Isosafrole	<2.30		10.0	2.30	ug/L		08/22/25 08:55	08/29/25 00:04	1
Kepone	<1.00		10.0	1.00	ug/L		08/22/25 08:55	08/29/25 00:04	1
Methapyrilene	<0.760		10.0	0.760	ug/L		08/22/25 08:55	08/29/25 00:04	1
Methyl methanesulfonate	<3.30		10.0	3.30	ug/L		08/22/25 08:55	08/29/25 00:04	1
Methyl parathion	<2.30		10.0	2.30	ug/L		08/22/25 08:55	08/29/25 00:04	1
Nitrobenzene	<0.800		10.0	0.800	ug/L		08/22/25 08:55	08/29/25 00:04	1
N-Nitrosodiethylamine	<3.40		10.0	3.40	ug/L		08/22/25 08:55	08/29/25 00:04	1
N-Nitrosodimethylamine	<0.720		10.0	0.720	ug/L		08/22/25 08:55	08/29/25 00:04	1
N-Nitrosodi-n-butylamine	<3.90		10.0	3.90	ug/L		08/22/25 08:55	08/29/25 00:04	1
N-Nitrosodi-n-propylamine	<0.920		10.0	0.920	ug/L		08/22/25 08:55	08/29/25 00:04	1
N-Nitrosodiphenylamine	<0.750		10.0	0.750	ug/L		08/22/25 08:55	08/29/25 00:04	1
N-Nitrosomethylethylamine	<4.90		10.0	4.90	ug/L		08/22/25 08:55	08/29/25 00:04	1
N-Nitrosopiperidine	<2.70		10.0	2.70	ug/L		08/22/25 08:55	08/29/25 00:04	1
N-Nitrosopyrrolidine	<3.60		10.0	3.60	ug/L		08/22/25 08:55	08/29/25 00:04	1
o,o',o''-Triethylphosphorothioate	<3.20		10.0	3.20	ug/L		08/22/25 08:55	08/29/25 00:04	1
o-Toluidine	<2.90		10.0	2.90	ug/L		08/22/25 08:55	08/29/25 00:04	1
p-Dimethylamino azobenzene	<2.20		10.0	2.20	ug/L		08/22/25 08:55	08/29/25 00:04	1
Pentachlorobenzene	<2.80		10.0	2.80	ug/L		08/22/25 08:55	08/29/25 00:04	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-464458/1-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464458

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachloronitrobenzene	<5.80		10.0	5.80	ug/L		08/22/25 08:55	08/29/25 00:04	1
Pentachlorophenol	<9.60		10.0	9.60	ug/L		08/22/25 08:55	08/29/25 00:04	1
Phenacetin	<1.90		10.0	1.90	ug/L		08/22/25 08:55	08/29/25 00:04	1
Phenanthrene	<0.790		10.0	0.790	ug/L		08/22/25 08:55	08/29/25 00:04	1
Phenol	<1.10		10.0	1.10	ug/L		08/22/25 08:55	08/29/25 00:04	1
Phorate	<3.20		10.0	3.20	ug/L		08/22/25 08:55	08/29/25 00:04	1
Pronamide	<2.70		10.0	2.70	ug/L		08/22/25 08:55	08/29/25 00:04	1
Pyrene	<0.790		10.0	0.790	ug/L		08/22/25 08:55	08/29/25 00:04	1
Safrole	<2.80		10.0	2.80	ug/L		08/22/25 08:55	08/29/25 00:04	1
Thionazin	<3.50		10.0	3.50	ug/L		08/22/25 08:55	08/29/25 00:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*77*		*21 - 110*	*08/22/25 08:55*	*08/29/25 00:04*	*1*
Phenol-d5 (Surr)	*66*		*21 - 110*	*08/22/25 08:55*	*08/29/25 00:04*	*1*
Nitrobenzene-d5 (Surr)	*90*		*39 - 140*	*08/22/25 08:55*	*08/29/25 00:04*	*1*
2-Fluorobiphenyl (Surr)	*92*		*33 - 126*	*08/22/25 08:55*	*08/29/25 00:04*	*1*
2,4,6-Tribromophenol (Surr)	*105*		*20 - 144*	*08/22/25 08:55*	*08/29/25 00:04*	*1*
Terphenyl-d14 (Surr)	*122*		*13 - 150*	*08/22/25 08:55*	*08/29/25 00:04*	*1*

Lab Sample ID: LCS 310-464458/2-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464458

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4,5-Tetrachlorobenzene	100	95.23		ug/L		95	35 - 110
1,3,5-Trinitrobenzene	51.2	50.14		ug/L		98	26 - 150
1,3-Dinitrobenzene	100	104.6		ug/L		105	36 - 147
1,4-Naphthoquinone	51.2	50.27		ug/L		98	38 - 137
1,4-phenylenediamine	51.2	10.29		ug/L		20	20 - 120
1-Naphthylamine	51.2	17.70		ug/L		35	10 - 110
2,3,4,6-Tetrachlorophenol	100	92.27		ug/L		92	32 - 142
2,4,5-Trichlorophenol	100	97.97		ug/L		98	39 - 136
2,4,6-Trichlorophenol	100	107.5		ug/L		107	35 - 141
2,4-Dichlorophenol	100	107.5		ug/L		107	44 - 131
2,4-Dimethylphenol	100	108.2		ug/L		108	30 - 128
2,4-Dinitrophenol	200	107.0		ug/L		53	10 - 150
2,4-Dinitrotoluene	100	102.9		ug/L		103	48 - 136
2,6-Dichlorophenol	100	106.1		ug/L		106	41 - 131
2,6-Dinitrotoluene	100	109.5		ug/L		110	49 - 135
2-Acetylaminofluorene	51.2	58.97		ug/L		115	37 - 149
2-Chloronaphthalene	100	88.12		ug/L		88	33 - 112
2-Chlorophenol	100	99.06		ug/L		99	43 - 119
2-Methylnaphthalene	100	88.24		ug/L		88	35 - 110
2-Methylphenol	100	99.25		ug/L		99	47 - 114
2-Naphthylamine	51.2	25.11		ug/L		49	18 - 111
2-Nitroaniline	100	105.4		ug/L		105	48 - 135
2-Nitrophenol	100	116.8		ug/L		117	36 - 144
3,3'-Dimethylbenzidine	51.2	19.50		ug/L		38	10 - 147

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464458/2-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464458

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Methylcholanthrene	51.2	61.13		ug/L		119	13 - 140
3-Nitroaniline	100	101.3		ug/L		101	38 - 142
4,6-Dinitro-2-methylphenol	200	170.1		ug/L		85	22 - 150
4-Aminobiphenyl	51.2	20.77		ug/L		41	23 - 123
4-Bromophenyl phenyl ether	100	121.0		ug/L		121	41 - 131
4-Chloro-3-methylphenol	100	107.7		ug/L		108	51 - 132
4-Chloroaniline	100	98.46		ug/L		98	13 - 143
4-Chlorophenyl phenyl ether	100	99.54		ug/L		100	44 - 118
Methylphenol, 3 & 4	100	94.51		ug/L		95	45 - 114
4-Nitroaniline	100	100.5		ug/L		101	33 - 141
4-Nitrophenol	200	107.4		ug/L		54	22 - 110
5-Nitro-o-toluidine	51.2	48.51		ug/L		95	43 - 139
7,12-Dimethylbenz(a)anthracene	51.2	45.75		ug/L		89	47 - 129
Acenaphthene	100	100.5		ug/L		101	38 - 118
Acenaphthylene	100	93.50		ug/L		94	39 - 115
Acetophenone	100	100.9		ug/L		101	47 - 118
Anthracene	100	117.3		ug/L		117	49 - 127
Benzo[a]anthracene	100	118.4		ug/L		118	49 - 126
Benzo[a]pyrene	100	104.8		ug/L		105	44 - 133
Benzo[b]fluoranthene	100	96.76		ug/L		97	44 - 136
Benzo[g,h,i]perylene	100	127.5		ug/L		127	42 - 135
Benzo[k]fluoranthene	100	121.6		ug/L		122	49 - 134
Benzyl alcohol	100	91.34		ug/L		91	46 - 123
Bis(2-chloroethoxy)methane	100	103.0		ug/L		103	44 - 126
Bis(2-chloroethyl)ether	100	95.10		ug/L		95	41 - 116
2,2'-oxybis[1-chloropropane]	100	93.92		ug/L		94	36 - 115
Bis(2-ethylhexyl) phthalate	100	117.8		ug/L		118	46 - 138
Butyl benzyl phthalate	100	106.6		ug/L		107	47 - 133
Chlorobenzilate	51.2	58.30		ug/L		114	39 - 145
Chrysene	100	108.7		ug/L		109	50 - 128
Diallate	44.8	68.53	*+	ug/L		153	40 - 135
Dibenzo(a,h)anthracene	100	119.5		ug/L		119	36 - 146
Dibenzofuran	100	95.43		ug/L		95	44 - 114
Diethyl phthalate	100	108.0		ug/L		108	43 - 135
Dimethoate	44.8	71.26	*+	ug/L		159	31 - 150
Dimethyl phthalate	100	105.6		ug/L		106	46 - 129
Di-n-butyl phthalate	100	120.8		ug/L		121	49 - 138
Di-n-octyl phthalate	100	130.9		ug/L		131	33 - 148
Dinoseb	51.2	41.49		ug/L		81	22 - 150
Disulfoton	44.8	59.18		ug/L		132	27 - 138
Ethyl methanesulfonate	51.2	39.98		ug/L		78	44 - 110
Ethyl Parathion	44.8	62.12		ug/L		139	52 - 141
Famphur	44.8	92.35	*+	ug/L		206	67 - 150
Fluoranthene	100	119.1		ug/L		119	49 - 132
Fluorene	100	103.3		ug/L		103	46 - 118
Hexachlorobenzene	100	126.9		ug/L		127	42 - 134
Hexachlorobutadiene	100	85.54		ug/L		86	29 - 110
Hexachlorocyclopentadiene	100	70.58		ug/L		71	10 - 110
Hexachloroethane	100	70.17		ug/L		70	25 - 110

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464458/2-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464458

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Hexachloropropene			51.2	11.68		ug/L		23	10 - 110		
Indeno[1,2,3-cd]pyrene			100	126.9		ug/L		127	36 - 149		
Isodrin			51.2	53.33		ug/L		104	50 - 122		
Isophorone			100	106.6		ug/L		107	46 - 126		
Methapyrilene			44.8	10.17		ug/L		23	10 - 110		
Methyl methanesulfonate			51.2	28.59		ug/L		56	16 - 110		
Methyl parathion			44.8	68.13	*+	ug/L		152	49 - 150		
Nitrobenzene			100	90.20		ug/L		90	42 - 123		
N-Nitrosodiethylamine			51.2	51.24		ug/L		100	51 - 116		
N-Nitrosodimethylamine			100	83.60		ug/L		84	37 - 110		
N-Nitrosodi-n-butylamine			51.2	57.53		ug/L		112	49 - 135		
N-Nitrosodi-n-propylamine			100	96.79		ug/L		97	44 - 124		
N-Nitrosodiphenylamine			100	104.7		ug/L		105	43 - 132		
N-Nitrosomethylethylamine			51.2	45.50		ug/L		89	43 - 114		
N-Nitrosopiperidine			51.2	51.74		ug/L		101	50 - 120		
N-Nitrosopyrrolidine			51.2	49.76		ug/L		97	47 - 129		
o,o',o''-Triethylphosphorothioate			44.8	57.63	*+	ug/L		129	34 - 125		
o-Toluidine			51.2	35.09		ug/L		69	19 - 128		
p-Dimethylamino azobenzene			51.2	49.83		ug/L		97	45 - 133		
Pentachlorobenzene			51.2	41.99		ug/L		82	27 - 112		
Pentachloronitrobenzene			51.2	55.89		ug/L		109	45 - 132		
Pentachlorophenol			200	142.9		ug/L		71	28 - 142		
Phenacetin			51.2	58.23		ug/L		114	51 - 139		
Phenanthrene			100	120.7		ug/L		121	48 - 126		
Phenol			100	69.55		ug/L		70	29 - 110		
Phorate			44.8	64.50		ug/L		144	21 - 147		
Pronamide			51.2	61.73		ug/L		121	52 - 135		
Pyrene			100	115.7		ug/L		116	45 - 134		
Safrole			44.8	50.70		ug/L		113	26 - 117		
Thionazin			44.8	60.11		ug/L		134	48 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*81*		*21 - 110*
Phenol-d5 (Surr)	*66*		*21 - 110*
Nitrobenzene-d5 (Surr)	*96*		*39 - 140*
2-Fluorobiphenyl (Surr)	*91*		*33 - 126*
2,4,6-Tribromophenol (Surr)	*123*		*20 - 144*
Terphenyl-d14 (Surr)	*124*		*13 - 150*

Lab Sample ID: LCSD 310-464458/3-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464458

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene			100	52.20	*1	ug/L		52	35 - 110	58	35
1,3,5-Trinitrobenzene			51.2	30.69	*1	ug/L		60	26 - 150	48	29
1,3-Dinitrobenzene			100	64.65	*1	ug/L		65	36 - 147	47	35
1,4-Naphthoquinone			51.2	29.32	*1	ug/L		57	38 - 137	53	27

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-464458/3-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464458

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-phenylenediamine	51.2	6.961	J *- *1	ug/L		14	20 - 120	39	35
1-Naphthylamine	51.2	13.17		ug/L		26	10 - 110	29	35
2,3,4,6-Tetrachlorophenol	100	59.08	*1	ug/L		59	32 - 142	44	35
2,4,5-Trichlorophenol	100	60.86	*1	ug/L		61	39 - 136	47	35
2,4,6-Trichlorophenol	100	67.66	*1	ug/L		68	35 - 141	45	35
2,4-Dichlorophenol	100	66.44	*1	ug/L		66	44 - 131	47	35
2,4-Dimethylphenol	100	65.72	*1	ug/L		66	30 - 128	49	35
2,4-Dinitrophenol	200	89.53		ug/L		45	10 - 150	18	35
2,4-Dinitrotoluene	100	69.21	*1	ug/L		69	48 - 136	39	35
2,6-Dichlorophenol	100	65.46	*1	ug/L		65	41 - 131	47	35
2,6-Dinitrotoluene	100	66.41	*1	ug/L		66	49 - 135	49	35
2-Acetylaminofluorene	51.2	42.85	*1	ug/L		84	37 - 149	32	26
2-Chloronaphthalene	100	52.84	*1	ug/L		53	33 - 112	50	35
2-Chlorophenol	100	61.42	*1	ug/L		61	43 - 119	47	35
2-Methylnaphthalene	100	57.91	*1	ug/L		58	35 - 110	42	35
2-Methylphenol	100	59.94	*1	ug/L		60	47 - 114	49	35
2-Naphthylamine	51.2	20.52		ug/L		40	18 - 111	20	35
2-Nitroaniline	100	65.74	*1	ug/L		66	48 - 135	46	35
2-Nitrophenol	100	72.57	*1	ug/L		73	36 - 144	47	35
3,3'-Dimethylbenzidine	51.2	11.44	*1	ug/L		22	10 - 147	52	35
3-Methylcholanthrene	51.2	46.15		ug/L		90	13 - 140	28	35
3-Nitroaniline	100	64.93	*1	ug/L		65	38 - 142	44	35
4,6-Dinitro-2-methylphenol	200	120.0		ug/L		60	22 - 150	35	35
4-Aminobiphenyl	51.2	18.19		ug/L		36	23 - 123	13	35
4-Bromophenyl phenyl ether	100	63.65	*1	ug/L		64	41 - 131	62	35
4-Chloro-3-methylphenol	100	71.96	*1	ug/L		72	51 - 132	40	35
4-Chloroaniline	100	62.11	*1	ug/L		62	13 - 143	45	35
4-Chlorophenyl phenyl ether	100	63.45	*1	ug/L		63	44 - 118	44	35
Methylphenol, 3 & 4	100	61.62	*1	ug/L		62	45 - 114	42	35
4-Nitroaniline	100	64.77	*1	ug/L		65	33 - 141	43	35
4-Nitrophenol	200	83.30		ug/L		42	22 - 110	25	35
5-Nitro-o-toluidine	51.2	32.93	*1	ug/L		64	43 - 139	38	32
7,12-Dimethylbenz(a)anthracene	51.2	29.59	*1	ug/L		58	47 - 129	43	29
Acenaphthene	100	59.83	*1	ug/L		60	38 - 118	51	35
Acenaphthylene	100	56.12	*1	ug/L		56	39 - 115	50	35
Acetophenone	100	61.87	*1	ug/L		62	47 - 118	48	35
Anthracene	100	63.82	*1	ug/L		64	49 - 127	59	35
Benzo[a]anthracene	100	64.63	*1	ug/L		65	49 - 126	59	35
Benzo[a]pyrene	100	56.52	*1	ug/L		57	44 - 133	60	35
Benzo[b]fluoranthene	100	53.68	*1	ug/L		54	44 - 136	57	35
Benzo[g,h,i]perylene	100	77.30	*1	ug/L		77	42 - 135	49	35
Benzo[k]fluoranthene	100	66.82	*1	ug/L		67	49 - 134	58	35
Benzyl alcohol	100	56.64	*1	ug/L		57	46 - 123	47	35
Bis(2-chloroethoxy)methane	100	62.21	*1	ug/L		62	44 - 126	49	35
Bis(2-chloroethyl)ether	100	57.61	*1	ug/L		58	41 - 116	49	35
2,2'-oxybis[1-chloropropane]	100	57.29	*1	ug/L		57	36 - 115	48	35
Bis(2-ethylhexyl) phthalate	100	67.49	*1	ug/L		67	46 - 138	54	35
Butyl benzyl phthalate	100	64.03	*1	ug/L		64	47 - 133	50	35
Chlorobenzilate	51.2	33.43	*1	ug/L		65	39 - 145	54	28

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-464458/3-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464458

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chrysene	100	59.70	*1	ug/L		60	50 - 128	58	35
Diallate	44.8	33.81	*1	ug/L		75	40 - 135	68	29
Dibenzo(a,h)anthracene	100	71.34	*1	ug/L		71	36 - 146	50	35
Dibenzofuran	100	61.21	*1	ug/L		61	44 - 114	44	35
Diethyl phthalate	100	69.09	*1	ug/L		69	43 - 135	44	35
Dimethoate	44.8	46.26	*1	ug/L		103	31 - 150	43	35
Dimethyl phthalate	100	64.67	*1	ug/L		65	46 - 129	48	35
Di-n-butyl phthalate	100	70.49	*1	ug/L		70	49 - 138	53	35
Di-n-octyl phthalate	100	84.51	*1	ug/L		85	33 - 148	43	35
Dinoseb	51.2	27.76	*1	ug/L		54	22 - 150	40	35
Disulfoton	44.8	34.34	*1	ug/L		77	27 - 138	53	32
Ethyl methanesulfonate	51.2	24.95	*1	ug/L		49	44 - 110	46	30
Ethyl Parathion	44.8	43.24	*1	ug/L		97	52 - 141	36	30
Famphur	44.8	55.19	*1	ug/L		123	67 - 150	50	28
Fluoranthene	100	69.28	*1	ug/L		69	49 - 132	53	35
Fluorene	100	65.35	*1	ug/L		65	46 - 118	45	35
Hexachlorobenzene	100	64.13	*1	ug/L		64	42 - 134	66	35
Hexachlorobutadiene	100	50.50	*1	ug/L		50	29 - 110	52	35
Hexachlorocyclopentadiene	100	38.30	*1	ug/L		38	10 - 110	59	35
Hexachloroethane	100	43.37	*1	ug/L		43	25 - 110	47	35
Hexachloropropene	51.2	6.009	J *1	ug/L		12	10 - 110	64	35
Indeno[1,2,3-cd]pyrene	100	77.52	*1	ug/L		78	36 - 149	48	35
Isodrin	51.2	34.32	*1	ug/L		67	50 - 122	43	28
Isophorone	100	64.62	*1	ug/L		65	46 - 126	49	35
Methapyrilene	44.8	6.264	J *1	ug/L		14	10 - 110	47	35
Methyl methanesulfonate	51.2	18.32	*1	ug/L		36	16 - 110	44	28
Methyl parathion	44.8	41.00	*1	ug/L		92	49 - 150	50	29
Nitrobenzene	100	57.55	*1	ug/L		58	42 - 123	44	35
N-Nitrosodiethylamine	51.2	30.36	*1	ug/L		59	51 - 116	51	27
N-Nitrosodimethylamine	100	52.50	*1	ug/L		52	37 - 110	46	35
N-Nitrosodi-n-butylamine	51.2	35.34	*1	ug/L		69	49 - 135	48	28
N-Nitrosodi-n-propylamine	100	63.51	*1	ug/L		64	44 - 124	42	35
N-Nitrosodiphenylamine	100	64.98	*1	ug/L		65	43 - 132	47	35
N-Nitrosomethylethylamine	51.2	33.86		ug/L		66	43 - 114	29	29
N-Nitrosopiperidine	51.2	32.36	*1	ug/L		63	50 - 120	46	26
N-Nitrosopyrrolidine	51.2	34.54	*1	ug/L		67	47 - 129	36	31
o,o',o''-Triethylphosphorothioate	44.8	34.20	*1	ug/L		76	34 - 125	51	33
o-Toluidine	51.2	23.87	*1	ug/L		47	19 - 128	38	35
p-Dimethylamino azobenzene	51.2	35.13	*1	ug/L		69	45 - 133	35	31
Pentachlorobenzene	51.2	23.18	*1	ug/L		45	27 - 112	58	35
Pentachloronitrobenzene	51.2	31.68	*1	ug/L		62	45 - 132	55	29
Pentachlorophenol	200	105.6		ug/L		53	28 - 142	30	35
Phenacetin	51.2	33.14	*1	ug/L		65	51 - 139	55	29
Phenanthrene	100	64.69	*1	ug/L		65	48 - 126	60	35
Phenol	100	45.17	*1	ug/L		45	29 - 110	43	35
Phorate	44.8	34.73	*1	ug/L		78	21 - 147	60	35
Pronamide	51.2	34.53	*1	ug/L		67	52 - 135	57	28
Pyrene	100	65.12	*1	ug/L		65	45 - 134	56	35
Safrole	44.8	29.93	*1	ug/L		67	26 - 117	52	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-464458/3-A
Matrix: Water
Analysis Batch: 464999

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464458

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Thionazin			44.8	38.52	*1	ug/L		86	48 - 135	44	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*54*		*21 - 110*
Phenol-d5 (Surr)	*43*		*21 - 110*
Nitrobenzene-d5 (Surr)	*65*		*39 - 140*
2-Fluorobiphenyl (Surr)	*63*		*33 - 126*
2,4,6-Tribromophenol (Surr)	*74*		*20 - 144*
Terphenyl-d14 (Surr)	*72*		*13 - 150*

Lab Sample ID: MB 310-464719/1-A
Matrix: Water
Analysis Batch: 465217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<8.10		10.0	8.10	ug/L		08/26/25 07:34	08/29/25 19:44	1
Dibenzo(a,h)anthracene	<3.90		10.0	3.90	ug/L		08/26/25 07:34	08/29/25 19:44	1
Indeno[1,2,3-cd]pyrene	<4.20		10.0	4.20	ug/L		08/26/25 07:34	08/29/25 19:44	1

Lab Sample ID: MB 310-464719/1-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<0.540		10.0	0.540	ug/L		08/26/25 07:34	09/05/25 01:34	1
1,3,5-Trinitrobenzene	<2.30		10.0	2.30	ug/L		08/26/25 07:34	09/05/25 01:34	1
1,3-Dinitrobenzene	<3.20		10.0	3.20	ug/L		08/26/25 07:34	09/05/25 01:34	1
1,4-Naphthoquinone	<3.60		10.0	3.60	ug/L		08/26/25 07:34	09/05/25 01:34	1
1,4-phenylenediamine	<1.90		10.0	1.90	ug/L		08/26/25 07:34	09/05/25 01:34	1
1-Naphthylamine	<2.50		10.0	2.50	ug/L		08/26/25 07:34	09/05/25 01:34	1
2,3,4,6-Tetrachlorophenol	<5.30		10.0	5.30	ug/L		08/26/25 07:34	09/05/25 01:34	1
2,4,5-Trichlorophenol	<5.30		10.0	5.30	ug/L		08/26/25 07:34	09/05/25 01:34	1
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		08/26/25 07:34	09/05/25 01:34	1
2,4-Dichlorophenol	<0.850		10.0	0.850	ug/L		08/26/25 07:34	09/05/25 01:34	1
2,4-Dimethylphenol	<0.580		10.0	0.580	ug/L		08/26/25 07:34	09/05/25 01:34	1
2,4-Dinitrophenol	<13.0		20.0	13.0	ug/L		08/26/25 07:34	09/05/25 01:34	1
2,4-Dinitrotoluene	<6.40		10.0	6.40	ug/L		08/26/25 07:34	09/05/25 01:34	1
2,6-Dichlorophenol	<0.690		10.0	0.690	ug/L		08/26/25 07:34	09/05/25 01:34	1
2,6-Dinitrotoluene	<0.520		10.0	0.520	ug/L		08/26/25 07:34	09/05/25 01:34	1
2-Acetylaminofluorene	<2.70		10.0	2.70	ug/L		08/26/25 07:34	09/05/25 01:34	1
2-Chloronaphthalene	<0.640		10.0	0.640	ug/L		08/26/25 07:34	09/05/25 01:34	1
2-Chlorophenol	<0.540		10.0	0.540	ug/L		08/26/25 07:34	09/05/25 01:34	1
2-Methylnaphthalene	<0.590		10.0	0.590	ug/L		08/26/25 07:34	09/05/25 01:34	1
2-Methylphenol	<0.650		10.0	0.650	ug/L		08/26/25 07:34	09/05/25 01:34	1
2-Naphthylamine	<2.10		10.0	2.10	ug/L		08/26/25 07:34	09/05/25 01:34	1
2-Nitroaniline	<5.90		10.0	5.90	ug/L		08/26/25 07:34	09/05/25 01:34	1
2-Nitrophenol	<6.80		10.0	6.80	ug/L		08/26/25 07:34	09/05/25 01:34	1
3,3'-Dichlorobenzidine	<1.40		10.0	1.40	ug/L		08/26/25 07:34	09/05/25 01:34	1
3,3'-Dimethylbenzidine	<1.50		10.0	1.50	ug/L		08/26/25 07:34	09/05/25 01:34	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-464719/1-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Methylcholanthrene	<0.320		10.0	0.320	ug/L		08/26/25 07:34	09/05/25 01:34	1
3-Nitroaniline	<2.70		10.0	2.70	ug/L		08/26/25 07:34	09/05/25 01:34	1
4,6-Dinitro-2-methylphenol	<6.90		10.0	6.90	ug/L		08/26/25 07:34	09/05/25 01:34	1
4-Aminobiphenyl	<2.20		10.0	2.20	ug/L		08/26/25 07:34	09/05/25 01:34	1
4-Bromophenyl phenyl ether	<0.700		10.0	0.700	ug/L		08/26/25 07:34	09/05/25 01:34	1
4-Chloro-3-methylphenol	<0.840		10.0	0.840	ug/L		08/26/25 07:34	09/05/25 01:34	1
4-Chloroaniline	<0.620		10.0	0.620	ug/L		08/26/25 07:34	09/05/25 01:34	1
4-Chlorophenyl phenyl ether	<0.690		10.0	0.690	ug/L		08/26/25 07:34	09/05/25 01:34	1
Methylphenol, 3 & 4	<0.700		10.0	0.700	ug/L		08/26/25 07:34	09/05/25 01:34	1
4-Nitroaniline	<1.30		10.0	1.30	ug/L		08/26/25 07:34	09/05/25 01:34	1
4-Nitrophenol	<7.60		10.0	7.60	ug/L		08/26/25 07:34	09/05/25 01:34	1
5-Nitro-o-toluidine	<2.80		10.0	2.80	ug/L		08/26/25 07:34	09/05/25 01:34	1
7,12-Dimethylbenz(a)anthracene	<1.90		10.0	1.90	ug/L		08/26/25 07:34	09/05/25 01:34	1
Acenaphthene	<0.640		10.0	0.640	ug/L		08/26/25 07:34	09/05/25 01:34	1
Acenaphthylene	<0.720		10.0	0.720	ug/L		08/26/25 07:34	09/05/25 01:34	1
Acetophenone	<0.690		10.0	0.690	ug/L		08/26/25 07:34	09/05/25 01:34	1
Anthracene	<0.870		10.0	0.870	ug/L		08/26/25 07:34	09/05/25 01:34	1
Benzo[a]anthracene	<0.850		10.0	0.850	ug/L		08/26/25 07:34	09/05/25 01:34	1
Benzo[b]fluoranthene	<4.90		10.0	4.90	ug/L		08/26/25 07:34	09/05/25 01:34	1
Benzo[g,h,i]perylene	<6.30		10.0	6.30	ug/L		08/26/25 07:34	09/05/25 01:34	1
Benzo[k]fluoranthene	<2.20		10.0	2.20	ug/L		08/26/25 07:34	09/05/25 01:34	1
Benzyl alcohol	<1.30		10.0	1.30	ug/L		08/26/25 07:34	09/05/25 01:34	1
Bis(2-chloroethoxy)methane	<0.760		10.0	0.760	ug/L		08/26/25 07:34	09/05/25 01:34	1
Bis(2-chloroethyl)ether	<0.820		10.0	0.820	ug/L		08/26/25 07:34	09/05/25 01:34	1
2,2'-oxybis[1-chloropropane]	<0.540		10.0	0.540	ug/L		08/26/25 07:34	09/05/25 01:34	1
Bis(2-ethylhexyl) phthalate	<5.50		10.0	5.50	ug/L		08/26/25 07:34	09/05/25 01:34	1
Butyl benzyl phthalate	<5.40		10.0	5.40	ug/L		08/26/25 07:34	09/05/25 01:34	1
Chlorobenzilate	<3.60		10.0	3.60	ug/L		08/26/25 07:34	09/05/25 01:34	1
Chrysene	<0.870		10.0	0.870	ug/L		08/26/25 07:34	09/05/25 01:34	1
Diallate	<4.00		10.0	4.00	ug/L		08/26/25 07:34	09/05/25 01:34	1
Dibenzofuran	<0.740		10.0	0.740	ug/L		08/26/25 07:34	09/05/25 01:34	1
Diethyl phthalate	<1.70		10.0	1.70	ug/L		08/26/25 07:34	09/05/25 01:34	1
Dimethoate	<3.60		10.0	3.60	ug/L		08/26/25 07:34	09/05/25 01:34	1
Dimethyl phthalate	<1.00		10.0	1.00	ug/L		08/26/25 07:34	09/05/25 01:34	1
Di-n-butyl phthalate	<5.60		10.0	5.60	ug/L		08/26/25 07:34	09/05/25 01:34	1
Di-n-octyl phthalate	<7.00		20.0	7.00	ug/L		08/26/25 07:34	09/05/25 01:34	1
Dinoseb	<2.40		10.0	2.40	ug/L		08/26/25 07:34	09/05/25 01:34	1
Diphenylamine	<6.00		10.0	6.00	ug/L		08/26/25 07:34	09/05/25 01:34	1
Disulfoton	<2.40		10.0	2.40	ug/L		08/26/25 07:34	09/05/25 01:34	1
Ethyl methanesulfonate	<3.60		10.0	3.60	ug/L		08/26/25 07:34	09/05/25 01:34	1
Ethyl Parathion	<2.20		10.0	2.20	ug/L		08/26/25 07:34	09/05/25 01:34	1
Famphur	<3.80		10.0	3.80	ug/L		08/26/25 07:34	09/05/25 01:34	1
Fluoranthene	<1.70		10.0	1.70	ug/L		08/26/25 07:34	09/05/25 01:34	1
Fluorene	<0.790		10.0	0.790	ug/L		08/26/25 07:34	09/05/25 01:34	1
Hexachlorobenzene	<0.700		10.0	0.700	ug/L		08/26/25 07:34	09/05/25 01:34	1
Hexachlorobutadiene	<0.860		10.0	0.860	ug/L		08/26/25 07:34	09/05/25 01:34	1
Hexachlorocyclopentadiene	<5.10		10.0	5.10	ug/L		08/26/25 07:34	09/05/25 01:34	1
Hexachloroethane	<0.970		10.0	0.970	ug/L		08/26/25 07:34	09/05/25 01:34	1
Hexachloropropene	<2.60		10.0	2.60	ug/L		08/26/25 07:34	09/05/25 01:34	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-464719/1-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<4.70		10.0	4.70	ug/L		08/26/25 07:34	09/05/25 01:34	1
Isophorone	<0.930		10.0	0.930	ug/L		08/26/25 07:34	09/05/25 01:34	1
Isosafrole	<2.30		10.0	2.30	ug/L		08/26/25 07:34	09/05/25 01:34	1
Kepone	<1.00		10.0	1.00	ug/L		08/26/25 07:34	09/05/25 01:34	1
Methapyrilene	<0.760		10.0	0.760	ug/L		08/26/25 07:34	09/05/25 01:34	1
Methyl methanesulfonate	<3.30		10.0	3.30	ug/L		08/26/25 07:34	09/05/25 01:34	1
Methyl parathion	<2.30		10.0	2.30	ug/L		08/26/25 07:34	09/05/25 01:34	1
Nitrobenzene	<0.800		10.0	0.800	ug/L		08/26/25 07:34	09/05/25 01:34	1
N-Nitrosodiethylamine	<3.40		10.0	3.40	ug/L		08/26/25 07:34	09/05/25 01:34	1
N-Nitrosodimethylamine	<0.720		10.0	0.720	ug/L		08/26/25 07:34	09/05/25 01:34	1
N-Nitrosodi-n-butylamine	<3.90		10.0	3.90	ug/L		08/26/25 07:34	09/05/25 01:34	1
N-Nitrosodi-n-propylamine	<0.920		10.0	0.920	ug/L		08/26/25 07:34	09/05/25 01:34	1
N-Nitrosodiphenylamine	<0.750		10.0	0.750	ug/L		08/26/25 07:34	09/05/25 01:34	1
N-Nitrosomethylethylamine	<4.90		10.0	4.90	ug/L		08/26/25 07:34	09/05/25 01:34	1
N-Nitrosopiperidine	<2.70		10.0	2.70	ug/L		08/26/25 07:34	09/05/25 01:34	1
N-Nitrosopyrrolidine	<3.60		10.0	3.60	ug/L		08/26/25 07:34	09/05/25 01:34	1
o,o',o''-Triethylphosphorothioate	<3.20		10.0	3.20	ug/L		08/26/25 07:34	09/05/25 01:34	1
o-Toluidine	<2.90		10.0	2.90	ug/L		08/26/25 07:34	09/05/25 01:34	1
p-Dimethylamino azobenzene	<2.20		10.0	2.20	ug/L		08/26/25 07:34	09/05/25 01:34	1
Pentachlorobenzene	<2.80		10.0	2.80	ug/L		08/26/25 07:34	09/05/25 01:34	1
Pentachloronitrobenzene	<5.80		10.0	5.80	ug/L		08/26/25 07:34	09/05/25 01:34	1
Pentachlorophenol	<9.60		10.0	9.60	ug/L		08/26/25 07:34	09/05/25 01:34	1
Phenacetin	<1.90		10.0	1.90	ug/L		08/26/25 07:34	09/05/25 01:34	1
Phenanthrene	<0.790		10.0	0.790	ug/L		08/26/25 07:34	09/05/25 01:34	1
Phenol	<1.10		10.0	1.10	ug/L		08/26/25 07:34	09/05/25 01:34	1
Phorate	<3.20		10.0	3.20	ug/L		08/26/25 07:34	09/05/25 01:34	1
Pronamide	<2.70		10.0	2.70	ug/L		08/26/25 07:34	09/05/25 01:34	1
Pyrene	<0.790		10.0	0.790	ug/L		08/26/25 07:34	09/05/25 01:34	1
Safrole	<2.80		10.0	2.80	ug/L		08/26/25 07:34	09/05/25 01:34	1
Thionazin	<3.50		10.0	3.50	ug/L		08/26/25 07:34	09/05/25 01:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*91*		*21 - 110*	*08/26/25 07:34*	*09/05/25 01:34*	*1*
Phenol-d5 (Surr)	*76*		*21 - 110*	*08/26/25 07:34*	*09/05/25 01:34*	*1*
Nitrobenzene-d5 (Surr)	*121*		*39 - 140*	*08/26/25 07:34*	*09/05/25 01:34*	*1*
2-Fluorobiphenyl (Surr)	*114*		*33 - 126*	*08/26/25 07:34*	*09/05/25 01:34*	*1*
2,4,6-Tribromophenol (Surr)	*106*		*20 - 144*	*08/26/25 07:34*	*09/05/25 01:34*	*1*
Terphenyl-d14 (Surr)	*179*	*S1+*	*13 - 150*	*08/26/25 07:34*	*09/05/25 01:34*	*1*

Lab Sample ID: LCS 310-464719/2-A
Matrix: Water
Analysis Batch: 465217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]pyrene	100	83.08		ug/L		83	44 - 133
Dibenzo(a,h)anthracene	100	93.10		ug/L		93	36 - 146
Indeno[1,2,3-cd]pyrene	100	99.48		ug/L		99	36 - 149

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464719/2-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4,5-Tetrachlorobenzene	100	76.17		ug/L		76	35 - 110
1,3,5-Trinitrobenzene	51.2	43.37		ug/L		85	26 - 150
1,3-Dinitrobenzene	100	93.90		ug/L		94	36 - 147
1,4-Naphthoquinone	51.2	46.09		ug/L		90	38 - 137
1,4-phenylenediamine	51.2	<1.90	*-	ug/L		-15	20 - 120
1-Naphthylamine	51.2	17.26		ug/L		34	10 - 110
2,3,4,6-Tetrachlorophenol	100	82.29		ug/L		82	32 - 142
2,4,5-Trichlorophenol	100	91.03		ug/L		91	39 - 136
2,4,6-Trichlorophenol	100	90.34		ug/L		90	35 - 141
2,4-Dichlorophenol	100	96.79		ug/L		97	44 - 131
2,4-Dimethylphenol	100	86.36		ug/L		86	30 - 128
2,4-Dinitrophenol	200	106.6		ug/L		53	10 - 150
2,4-Dinitrotoluene	100	91.33		ug/L		91	48 - 136
2,6-Dichlorophenol	100	97.45		ug/L		97	41 - 131
2,6-Dinitrotoluene	100	90.54		ug/L		91	49 - 135
2-Acetylaminofluorene	51.2	35.27		ug/L		69	37 - 149
2-Chloronaphthalene	100	79.48		ug/L		79	33 - 112
2-Chlorophenol	100	90.21		ug/L		90	43 - 119
2-Methylnaphthalene	100	78.26		ug/L		78	35 - 110
2-Methylphenol	100	90.62		ug/L		91	47 - 114
2-Naphthylamine	51.2	23.46		ug/L		46	18 - 111
2-Nitroaniline	100	98.36		ug/L		98	48 - 135
2-Nitrophenol	100	92.84		ug/L		93	36 - 144
3,3'-Dimethylbenzidine	51.2	13.34		ug/L		26	10 - 147
3-Methylcholanthrene	51.2	34.81		ug/L		68	13 - 140
3-Nitroaniline	100	90.61		ug/L		91	38 - 142
4,6-Dinitro-2-methylphenol	200	148.2		ug/L		74	22 - 150
4-Aminobiphenyl	51.2	20.60		ug/L		40	23 - 123
4-Bromophenyl phenyl ether	100	105.7		ug/L		106	41 - 131
4-Chloro-3-methylphenol	100	98.36		ug/L		98	51 - 132
4-Chloroaniline	100	86.69		ug/L		87	13 - 143
4-Chlorophenyl phenyl ether	100	90.54		ug/L		91	44 - 118
Methylphenol, 3 & 4	100	86.36		ug/L		86	45 - 114
4-Nitroaniline	100	94.34		ug/L		94	33 - 141
4-Nitrophenol	200	119.9		ug/L		60	22 - 110
5-Nitro-o-toluidine	51.2	49.15		ug/L		96	43 - 139
7,12-Dimethylbenz(a)anthracene	51.2	35.10		ug/L		69	47 - 129
Acenaphthene	100	86.42		ug/L		86	38 - 118
Acenaphthylene	100	80.52		ug/L		81	39 - 115
Acetophenone	100	97.00		ug/L		97	47 - 118
Anthracene	100	100.9		ug/L		101	49 - 127
Benzo[a]anthracene	100	98.02		ug/L		98	49 - 126
Benzo[b]fluoranthene	100	81.38		ug/L		81	44 - 136
Benzo[g,h,i]perylene	100	102.7		ug/L		103	42 - 135
Benzo[k]fluoranthene	100	94.33		ug/L		94	49 - 134
Benzyl alcohol	100	91.13		ug/L		91	46 - 123
Bis(2-chloroethoxy)methane	100	99.16		ug/L		99	44 - 126
Bis(2-chloroethyl)ether	100	85.83		ug/L		86	41 - 116

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464719/2-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,2'-oxybis[1-chloropropane]	100	83.71		ug/L		84	36 - 115
Bis(2-ethylhexyl) phthalate	100	75.96		ug/L		76	46 - 138
Butyl benzyl phthalate	100	96.50		ug/L		97	47 - 133
Chlorobenzilate	51.2	39.25		ug/L		77	39 - 145
Chrysene	100	105.2		ug/L		105	50 - 128
Diallate	44.8	61.12	*+	ug/L		136	40 - 135
Dibenzofuran	100	89.92		ug/L		90	44 - 114
Diethyl phthalate	100	96.15		ug/L		96	43 - 135
Dimethoate	44.8	63.82		ug/L		142	31 - 150
Dimethyl phthalate	100	97.20		ug/L		97	46 - 129
Di-n-butyl phthalate	100	102.6		ug/L		103	49 - 138
Di-n-octyl phthalate	100	64.94		ug/L		65	33 - 148
Dinoseb	51.2	31.28		ug/L		61	22 - 150
Disulfoton	44.8	52.59		ug/L		117	27 - 138
Ethyl methanesulfonate	51.2	40.46		ug/L		79	44 - 110
Ethyl Parathion	44.8	51.18		ug/L		114	52 - 141
Famphur	44.8	91.29	E *+	ug/L		204	67 - 150
Fluoranthene	100	102.0		ug/L		102	49 - 132
Fluorene	100	93.17		ug/L		93	46 - 118
Hexachlorobenzene	100	102.9		ug/L		103	42 - 134
Hexachlorobutadiene	100	73.19		ug/L		73	29 - 110
Hexachlorocyclopentadiene	100	61.11		ug/L		61	10 - 110
Hexachloroethane	100	61.31		ug/L		61	25 - 110
Hexachloropropene	51.2	9.251	J	ug/L		18	10 - 110
Isodrin	51.2	46.87		ug/L		92	50 - 122
Isophorone	100	97.42		ug/L		97	46 - 126
Methapyrilene	44.8	12.42		ug/L		28	10 - 110
Methyl methanesulfonate	51.2	28.78		ug/L		56	16 - 110
Methyl parathion	44.8	65.39		ug/L		146	49 - 150
Nitrobenzene	100	92.87		ug/L		93	42 - 123
N-Nitrosodiethylamine	51.2	43.54		ug/L		85	51 - 116
N-Nitrosodimethylamine	100	76.45		ug/L		76	37 - 110
N-Nitrosodi-n-butylamine	51.2	45.79		ug/L		89	49 - 135
N-Nitrosodi-n-propylamine	100	98.04		ug/L		98	44 - 124
N-Nitrosodiphenylamine	100	96.51		ug/L		97	43 - 132
N-Nitrosomethylethylamine	51.2	42.68		ug/L		83	43 - 114
N-Nitrosopiperidine	51.2	47.24		ug/L		92	50 - 120
N-Nitrosopyrrolidine	51.2	47.95		ug/L		94	47 - 129
o,o',o''-Triethylphosphorothioate	44.8	48.77		ug/L		109	34 - 125
o-Toluidine	51.2	35.51		ug/L		69	19 - 128
p-Dimethylamino azobenzene	51.2	45.50		ug/L		89	45 - 133
Pentachlorobenzene	51.2	39.53		ug/L		77	27 - 112
Pentachloronitrobenzene	51.2	55.86		ug/L		109	45 - 132
Pentachlorophenol	200	119.5		ug/L		60	28 - 142
Phenacetin	51.2	52.29		ug/L		102	51 - 139
Phenanthrene	100	101.8		ug/L		102	48 - 126
Phenol	100	61.77		ug/L		62	29 - 110
Phorate	44.8	55.16		ug/L		123	21 - 147
Pronamide	51.2	48.85		ug/L		95	52 - 135

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464719/2-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464719

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Pyrene			100	107.4		ug/L		107	45 - 134		
Safrole			44.8	44.24		ug/L		99	26 - 117		
Thionazin			44.8	57.00		ug/L		127	48 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*76*		*21 - 110*
Phenol-d5 (Surr)	*63*		*21 - 110*
Nitrobenzene-d5 (Surr)	*100*		*39 - 140*
2-Fluorobiphenyl (Surr)	*96*		*33 - 126*
2,4,6-Tribromophenol (Surr)	*108*		*20 - 144*
Terphenyl-d14 (Surr)	*101*		*13 - 150*

Lab Sample ID: LCSD 310-464719/3-A
Matrix: Water
Analysis Batch: 465217

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464719

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]pyrene			100	70.43		ug/L		70	44 - 133	16	35
Dibenzo(a,h)anthracene			100	84.23		ug/L		84	36 - 146	10	35
Indeno[1,2,3-cd]pyrene			100	85.48		ug/L		85	36 - 149	15	35

Lab Sample ID: LCSD 310-464719/3-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464719

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene			100	68.35		ug/L		68	35 - 110	11	35
1,3,5-Trinitrobenzene			51.2	38.20		ug/L		75	26 - 150	13	29
1,3-Dinitrobenzene			100	84.48		ug/L		84	36 - 147	11	35
1,4-Naphthoquinone			51.2	39.85		ug/L		78	38 - 137	15	27
1,4-phenylenediamine			51.2	11.20	*1	ug/L		22	20 - 120	1013	35
1-Naphthylamine			51.2	16.04		ug/L		31	10 - 110	7	35
2,3,4,6-Tetrachlorophenol			100	72.70		ug/L		73	32 - 142	12	35
2,4,5-Trichlorophenol			100	81.01		ug/L		81	39 - 136	12	35
2,4,6-Trichlorophenol			100	81.91		ug/L		82	35 - 141	10	35
2,4-Dichlorophenol			100	90.11		ug/L		90	44 - 131	7	35
2,4-Dimethylphenol			100	78.30		ug/L		78	30 - 128	10	35
2,4-Dinitrophenol			200	94.90		ug/L		47	10 - 150	12	35
2,4-Dinitrotoluene			100	80.86		ug/L		81	48 - 136	12	35
2,6-Dichlorophenol			100	88.03		ug/L		88	41 - 131	10	35
2,6-Dinitrotoluene			100	84.28		ug/L		84	49 - 135	7	35
2-Acetylaminofluorene			51.2	34.73		ug/L		68	37 - 149	2	26
2-Chloronaphthalene			100	69.82		ug/L		70	33 - 112	13	35
2-Chlorophenol			100	84.17		ug/L		84	43 - 119	7	35
2-Methylnaphthalene			100	72.17		ug/L		72	35 - 110	8	35
2-Methylphenol			100	84.47		ug/L		84	47 - 114	7	35
2-Naphthylamine			51.2	22.14		ug/L		43	18 - 111	6	35
2-Nitroaniline			100	84.70		ug/L		85	48 - 135	15	35
2-Nitrophenol			100	87.51		ug/L		88	36 - 144	6	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-464719/3-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464719

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
3,3'-Dimethylbenzidine	51.2	15.71		ug/L		31	10 - 147	16	35
3-Methylcholanthrene	51.2	32.93		ug/L		64	13 - 140	6	35
3-Nitroaniline	100	82.89		ug/L		83	38 - 142	9	35
4,6-Dinitro-2-methylphenol	200	137.1		ug/L		69	22 - 150	8	35
4-Aminobiphenyl	51.2	21.12		ug/L		41	23 - 123	3	35
4-Bromophenyl phenyl ether	100	92.89		ug/L		93	41 - 131	13	35
4-Chloro-3-methylphenol	100	89.19		ug/L		89	51 - 132	10	35
4-Chloroaniline	100	80.91		ug/L		81	13 - 143	7	35
4-Chlorophenyl phenyl ether	100	80.23		ug/L		80	44 - 118	12	35
Methylphenol, 3 & 4	100	80.55		ug/L		81	45 - 114	7	35
4-Nitroaniline	100	84.32		ug/L		84	33 - 141	11	35
4-Nitrophenol	200	106.4		ug/L		53	22 - 110	12	35
5-Nitro-o-toluidine	51.2	42.03		ug/L		82	43 - 139	16	32
7,12-Dimethylbenz(a)anthracene	51.2	30.78		ug/L		60	47 - 129	13	29
Acenaphthene	100	77.61		ug/L		78	38 - 118	11	35
Acenaphthylene	100	71.47		ug/L		71	39 - 115	12	35
Acetophenone	100	88.00		ug/L		88	47 - 118	10	35
Anthracene	100	88.95		ug/L		89	49 - 127	13	35
Benzo[a]anthracene	100	86.07		ug/L		86	49 - 126	13	35
Benzo[b]fluoranthene	100	82.56		ug/L		83	44 - 136	1	35
Benzo[g,h,i]perylene	100	94.45		ug/L		94	42 - 135	8	35
Benzo[k]fluoranthene	100	89.51		ug/L		90	49 - 134	5	35
Benzyl alcohol	100	85.70		ug/L		86	46 - 123	6	35
Bis(2-chloroethoxy)methane	100	91.35		ug/L		91	44 - 126	8	35
Bis(2-chloroethyl)ether	100	82.72		ug/L		83	41 - 116	4	35
2,2'-oxybis[1-chloropropane]	100	75.05		ug/L		75	36 - 115	11	35
Bis(2-ethylhexyl) phthalate	100	71.50		ug/L		71	46 - 138	6	35
Butyl benzyl phthalate	100	86.57		ug/L		87	47 - 133	11	35
Chlorobenzilate	51.2	36.18		ug/L		71	39 - 145	8	28
Chrysene	100	77.78		ug/L		78	50 - 128	30	35
Diallate	44.8	52.65		ug/L		118	40 - 135	15	29
Dibenzofuran	100	80.30		ug/L		80	44 - 114	11	35
Diethyl phthalate	100	86.64		ug/L		87	43 - 135	10	35
Dimethoate	44.8	56.38		ug/L		126	31 - 150	12	35
Dimethyl phthalate	100	89.88		ug/L		90	46 - 129	8	35
Di-n-butyl phthalate	100	93.52		ug/L		94	49 - 138	9	35
Di-n-octyl phthalate	100	65.12		ug/L		65	33 - 148	0	35
Dinoseb	51.2	29.18		ug/L		57	22 - 150	7	35
Disulfoton	44.8	46.04		ug/L		103	27 - 138	13	32
Ethyl methanesulfonate	51.2	35.97		ug/L		70	44 - 110	12	30
Ethyl Parathion	44.8	47.32		ug/L		106	52 - 141	8	30
Famphur	44.8	77.26	E *+	ug/L		172	67 - 150	17	28
Fluoranthene	100	90.39		ug/L		90	49 - 132	12	35
Fluorene	100	81.17		ug/L		81	46 - 118	14	35
Hexachlorobenzene	100	91.01		ug/L		91	42 - 134	12	35
Hexachlorobutadiene	100	69.48		ug/L		69	29 - 110	5	35
Hexachlorocyclopentadiene	100	53.16		ug/L		53	10 - 110	14	35
Hexachloroethane	100	58.29		ug/L		58	25 - 110	5	35
Hexachloropropene	51.2	7.722	J	ug/L		15	10 - 110	18	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-464719/3-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464719

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Isodrin			51.2	42.17		ug/L		82	50 - 122	11	28
Isophorone			100	88.56		ug/L		89	46 - 126	10	35
Methapyrilene			44.8	15.61		ug/L		35	10 - 110	23	35
Methyl methanesulfonate			51.2	24.64		ug/L		48	16 - 110	15	28
Methyl parathion			44.8	56.86		ug/L		127	49 - 150	14	29
Nitrobenzene			100	87.18		ug/L		87	42 - 123	6	35
N-Nitrosodiethylamine			51.2	39.44		ug/L		77	51 - 116	10	27
N-Nitrosodimethylamine			100	69.82		ug/L		70	37 - 110	9	35
N-Nitrosodi-n-butylamine			51.2	40.83		ug/L		80	49 - 135	11	28
N-Nitrosodi-n-propylamine			100	88.41		ug/L		88	44 - 124	10	35
N-Nitrosodiphenylamine			100	86.71		ug/L		87	43 - 132	11	35
N-Nitrosomethylethylamine			51.2	40.15		ug/L		78	43 - 114	6	29
N-Nitrosopiperidine			51.2	41.15		ug/L		80	50 - 120	14	26
N-Nitrosopyrrolidine			51.2	43.05		ug/L		84	47 - 129	11	31
o,o',o''-Triethylphosphorothioate			44.8	43.11		ug/L		96	34 - 125	12	33
o-Toluidine			51.2	33.99		ug/L		66	19 - 128	4	35
p-Dimethylamino azobenzene			51.2	41.15		ug/L		80	45 - 133	10	31
Pentachlorobenzene			51.2	33.05		ug/L		65	27 - 112	18	35
Pentachloronitrobenzene			51.2	42.42		ug/L		83	45 - 132	27	29
Pentachlorophenol			200	114.7		ug/L		57	28 - 142	4	35
Phenacetin			51.2	44.62		ug/L		87	51 - 139	16	29
Phenanthrene			100	92.23		ug/L		92	48 - 126	10	35
Phenol			100	56.26		ug/L		56	29 - 110	9	35
Phorate			44.8	48.82		ug/L		109	21 - 147	12	35
Pronamide			51.2	44.53		ug/L		87	52 - 135	9	28
Pyrene			100	88.98		ug/L		89	45 - 134	19	35
Safrole			44.8	40.52		ug/L		90	26 - 117	9	35
Thionazin			44.8	49.01		ug/L		109	48 - 135	15	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*68*		*21 - 110*
Phenol-d5 (Surr)	*57*		*21 - 110*
Nitrobenzene-d5 (Surr)	*85*		*39 - 140*
2-Fluorobiphenyl (Surr)	*79*		*33 - 126*
2,4,6-Tribromophenol (Surr)	*93*		*20 - 144*
Terphenyl-d14 (Surr)	*80*		*13 - 150*

Method: 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Lab Sample ID: MB 310-464452/7
Matrix: Water
Analysis Batch: 464452

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<2.60		10.0	2.60	mg/L			08/22/25 10:27	1
Isobutanol	<2.40		10.0	2.40	mg/L			08/22/25 10:27	1

Method: 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection) (Continued)

Lab Sample ID: LCS 310-464452/5
Matrix: Water
Analysis Batch: 464452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetonitrile			99.1	86.60		mg/L		87	67 - 131		
Isobutanol			95.5	96.47		mg/L		101	80 - 120		

Lab Sample ID: 190-37760-A-1 MS
Matrix: Water
Analysis Batch: 464452

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetonitrile	<2.60		99.1	97.48		mg/L		98	67 - 134		
Isobutanol	<2.40		95.5	98.36		mg/L		103	80 - 125		

Lab Sample ID: 190-37760-A-1 MSD
Matrix: Water
Analysis Batch: 464452

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetonitrile	<2.60		99.1	87.90		mg/L		89	67 - 134	10	23
Isobutanol	<2.40		95.5	96.75		mg/L		101	80 - 125	2	20

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: LB 310-464103/1-E
Matrix: Water
Analysis Batch: 464747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464511

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00933		0.0933	0.00933	ug/L		08/22/25 11:51	08/26/25 11:14	1
Heptachlor	<0.0215		0.0933	0.0215	ug/L		08/22/25 11:51	08/26/25 11:14	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*10 - 150*	*08/22/25 11:51*	*08/26/25 11:14*	*1*
Tetrachloro-m-xylene	*84*		*17 - 150*	*08/22/25 11:51*	*08/26/25 11:14*	*1*

Lab Sample ID: MB 310-464511/1-A
Matrix: Water
Analysis Batch: 464747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464511

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.00983		0.0983	0.00983	ug/L		08/22/25 11:51	08/26/25 10:48	1
Heptachlor	<0.0226		0.0983	0.0226	ug/L		08/22/25 11:51	08/26/25 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*57*		*10 - 150*	*08/22/25 11:51*	*08/26/25 10:48*	*1*
Tetrachloro-m-xylene	*72*		*17 - 150*	*08/22/25 11:51*	*08/26/25 10:48*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 310-464511/32-A
Matrix: Water
Analysis Batch: 464747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464511

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
alpha-BHC			2.77	2.419		ug/L		87	57 - 149		
Heptachlor			2.77	1.747		ug/L		63	16 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*51*		*10 - 150*
Tetrachloro-m-xylene	*71*		*17 - 150*

Lab Sample ID: MB 310-464678/1-A
Matrix: Water
Analysis Batch: 465299

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464678

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0246		0.0986	0.0246	ug/L		08/25/25 13:33	09/02/25 12:26	1
4,4'-DDE	<0.0296		0.0986	0.0296	ug/L		08/25/25 13:33	09/02/25 12:26	1
4,4'-DDT	<0.0197		0.0986	0.0197	ug/L		08/25/25 13:33	09/02/25 12:26	1
Aldrin	<0.0217		0.0986	0.0217	ug/L		08/25/25 13:33	09/02/25 12:26	1
alpha-BHC	<0.00986		0.0986	0.00986	ug/L		08/25/25 13:33	09/02/25 12:26	1
beta-BHC	<0.0414		0.0986	0.0414	ug/L		08/25/25 13:33	09/02/25 12:26	1
Chlordane (technical)	<0.385		1.97	0.385	ug/L		08/25/25 13:33	09/02/25 12:26	1
delta-BHC	<0.0315		0.0986	0.0315	ug/L		08/25/25 13:33	09/02/25 12:26	1
Dieldrin	<0.0207		0.0986	0.0207	ug/L		08/25/25 13:33	09/02/25 12:26	1
Endosulfan I	<0.0276		0.0986	0.0276	ug/L		08/25/25 13:33	09/02/25 12:26	1
Endosulfan II	<0.0256		0.0986	0.0256	ug/L		08/25/25 13:33	09/02/25 12:26	1
Endosulfan sulfate	<0.0177		0.0986	0.0177	ug/L		08/25/25 13:33	09/02/25 12:26	1
Endrin	<0.0276		0.0986	0.0276	ug/L		08/25/25 13:33	09/02/25 12:26	1
Endrin aldehyde	<0.0266		0.0986	0.0266	ug/L		08/25/25 13:33	09/02/25 12:26	1
gamma-BHC (Lindane)	<0.00986		0.0986	0.00986	ug/L		08/25/25 13:33	09/02/25 12:26	1
Heptachlor	<0.0227		0.0986	0.0227	ug/L		08/25/25 13:33	09/02/25 12:26	1
Heptachlor epoxide	<0.0315		0.0986	0.0315	ug/L		08/25/25 13:33	09/02/25 12:26	1
Methoxychlor	<0.0315		0.0986	0.0315	ug/L		08/25/25 13:33	09/02/25 12:26	1
Toxaphene	<0.986		1.97	0.986	ug/L		08/25/25 13:33	09/02/25 12:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*51*		*10 - 150*	*08/25/25 13:33*	*09/02/25 12:26*	*1*
Tetrachloro-m-xylene	*88*		*17 - 150*	*08/25/25 13:33*	*09/02/25 12:26*	*1*

Lab Sample ID: LCS 310-464678/2-A
Matrix: Water
Analysis Batch: 465299

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464678

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDD			2.78	2.143		ug/L		77	28 - 150		
4,4'-DDE			2.78	2.024		ug/L		73	10 - 150		
4,4'-DDT			2.78	2.772		ug/L		100	10 - 150		
Aldrin			2.78	1.784		ug/L		64	10 - 146		
alpha-BHC			2.78	2.318		ug/L		83	57 - 149		
beta-BHC			2.78	2.261		ug/L		81	53 - 145		
delta-BHC			2.78	2.221		ug/L		80	49 - 148		

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 310-464678/2-A
Matrix: Water
Analysis Batch: 465299

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464678

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dieldrin	2.78	2.320		ug/L		84	43 - 150
Endosulfan I	2.78	1.295		ug/L		47	26 - 133
Endosulfan II	2.78	1.423		ug/L		51	38 - 139
Endosulfan sulfate	2.78	2.784		ug/L		100	54 - 150
Endrin	2.78	2.367		ug/L		85	41 - 150
Endrin aldehyde	2.78	2.081		ug/L		75	42 - 147
gamma-BHC (Lindane)	2.78	2.362		ug/L		85	57 - 150
Heptachlor	2.78	2.043		ug/L		74	16 - 135
Heptachlor epoxide	2.78	2.345		ug/L		84	49 - 150
Methoxychlor	2.78	2.671		ug/L		96	16 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*56*		*10 - 150*
Tetrachloro-m-xylene	*85*		*17 - 150*

Lab Sample ID: 310-313751-1 MS
Matrix: Water
Analysis Batch: 465299

Client Sample ID: AW-4_25_08
Prep Type: Total/NA
Prep Batch: 464678

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	<0.0238		2.69	1.971		ug/L		73	15 - 150
4,4'-DDE	<0.0286		2.69	1.841		ug/L		68	10 - 150
4,4'-DDT	<0.0191		2.69	2.583		ug/L		96	10 - 150
Aldrin	<0.0210		2.69	1.617		ug/L		60	10 - 150
alpha-BHC	<0.00954		2.69	2.131		ug/L		79	33 - 150
beta-BHC	<0.0401		2.69	2.070		ug/L		77	32 - 150
delta-BHC	<0.0305		2.69	2.060		ug/L		77	30 - 150
Dieldrin	<0.0200		2.69	2.148		ug/L		80	24 - 150
Endosulfan I	<0.0267		2.69	1.186		ug/L		44	10 - 150
Endosulfan II	<0.0248		2.69	1.325		ug/L		49	14 - 150
Endosulfan sulfate	<0.0172		2.69	2.669		ug/L		99	39 - 150
Endrin	<0.0267		2.69	2.206		ug/L		82	18 - 150
Endrin aldehyde	<0.0257		2.69	2.070		ug/L		77	26 - 150
gamma-BHC (Lindane)	<0.00954		2.69	2.191		ug/L		82	35 - 150
Heptachlor	<0.0219		2.69	1.872		ug/L		70	10 - 150
Heptachlor epoxide	<0.0305		2.69	2.185		ug/L		81	26 - 150
Methoxychlor	<0.0305		2.69	2.722		ug/L		101	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*60*		*10 - 150*
Tetrachloro-m-xylene	*80*		*17 - 150*

Lab Sample ID: 310-313751-1 MSD
Matrix: Water
Analysis Batch: 465299

Client Sample ID: AW-4_25_08
Prep Type: Total/NA
Prep Batch: 464678

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	<0.0238		2.72	1.972		ug/L		73	15 - 150	0	35

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 310-313751-1 MSD
Matrix: Water
Analysis Batch: 465299

Client Sample ID: AW-4_25_08
Prep Type: Total/NA
Prep Batch: 464678

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDE	<0.0286		2.72	1.850		ug/L		68	10 - 150	0	35
4,4'-DDT	<0.0191		2.72	2.591		ug/L		95	10 - 150	0	35
Aldrin	<0.0210		2.72	1.618		ug/L		60	10 - 150	0	35
alpha-BHC	<0.00954		2.72	2.106		ug/L		78	33 - 150	1	35
beta-BHC	<0.0401		2.72	2.068		ug/L		76	32 - 150	0	35
delta-BHC	<0.0305		2.72	2.051		ug/L		75	30 - 150	0	35
Dieldrin	<0.0200		2.72	2.139		ug/L		79	24 - 150	0	35
Endosulfan I	<0.0267		2.72	1.169		ug/L		43	10 - 150	1	35
Endosulfan II	<0.0248		2.72	1.301		ug/L		48	14 - 150	2	35
Endosulfan sulfate	<0.0172		2.72	2.699		ug/L		99	39 - 150	1	35
Endrin	<0.0267		2.72	2.219		ug/L		82	18 - 150	1	35
Endrin aldehyde	<0.0257		2.72	2.026		ug/L		75	26 - 150	NC	35
gamma-BHC (Lindane)	<0.00954		2.72	2.172		ug/L		80	35 - 150	1	35
Heptachlor	<0.0219		2.72	1.897		ug/L		70	10 - 150	1	35
Heptachlor epoxide	<0.0305		2.72	2.159		ug/L		79	26 - 150	1	35
Methoxychlor	<0.0305		2.72	2.749		ug/L		101	10 - 150	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*56*		*10 - 150*
Tetrachloro-m-xylene	*84*		*17 - 150*

Lab Sample ID: 310-313099-B-1-E MS
Matrix: Water
Analysis Batch: 464747

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 464511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
alpha-BHC	<0.00926		2.65	2.278		ug/L		86	33 - 150
Heptachlor	<0.0213		2.65	2.246		ug/L		85	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*64*		*10 - 150*
Tetrachloro-m-xylene	*87*		*17 - 150*

Lab Sample ID: 310-313099-B-1-F MSD
Matrix: Water
Analysis Batch: 464747

Client Sample ID: Matrix Spike Duplicate
Prep Type: TCLP
Prep Batch: 464511

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
alpha-BHC	<0.00926		2.67	2.144		ug/L		80	33 - 150	6	35
Heptachlor	<0.0213		2.67	2.180		ug/L		82	10 - 150	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*49*		*10 - 150*
Tetrachloro-m-xylene	*82*		*17 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: LB 310-464396/1-D
Matrix: Water
Analysis Batch: 464749

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464511

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.767		1.87	0.767	ug/L		08/22/25 11:51	08/26/25 12:45	1
PCB-1221	<0.767		1.87	0.767	ug/L		08/22/25 11:51	08/26/25 12:45	1
PCB-1232	<0.767		1.87	0.767	ug/L		08/22/25 11:51	08/26/25 12:45	1
PCB-1242	<0.767		1.87	0.767	ug/L		08/22/25 11:51	08/26/25 12:45	1
PCB-1248	<0.646		1.87	0.646	ug/L		08/22/25 11:51	08/26/25 12:45	1
PCB-1254	<0.646		1.87	0.646	ug/L		08/22/25 11:51	08/26/25 12:45	1
PCB-1260	<0.646		1.87	0.646	ug/L		08/22/25 11:51	08/26/25 12:45	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*64*		*10 - 150*	*08/22/25 11:51*	*08/26/25 12:45*	*1*
Tetrachloro-m-xylene	*68*		*17 - 150*	*08/22/25 11:51*	*08/26/25 12:45*	*1*

Lab Sample ID: MB 310-464511/1-A
Matrix: Water
Analysis Batch: 464749

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464511

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.806		1.97	0.806	ug/L		08/22/25 11:51	08/26/25 10:48	1
PCB-1221	<0.806		1.97	0.806	ug/L		08/22/25 11:51	08/26/25 10:48	1
PCB-1232	<0.806		1.97	0.806	ug/L		08/22/25 11:51	08/26/25 10:48	1
PCB-1242	<0.806		1.97	0.806	ug/L		08/22/25 11:51	08/26/25 10:48	1
PCB-1248	<0.678		1.97	0.678	ug/L		08/22/25 11:51	08/26/25 10:48	1
PCB-1254	<0.678		1.97	0.678	ug/L		08/22/25 11:51	08/26/25 10:48	1
PCB-1260	<0.678		1.97	0.678	ug/L		08/22/25 11:51	08/26/25 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*58*		*10 - 150*	*08/22/25 11:51*	*08/26/25 10:48*	*1*
Tetrachloro-m-xylene	*74*		*17 - 150*	*08/22/25 11:51*	*08/26/25 10:48*	*1*

Lab Sample ID: LCS 310-464511/8-A
Matrix: Water
Analysis Batch: 464749

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464511

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	28.0	19.30		ug/L		69	25 - 150
PCB-1260	28.0	17.99		ug/L		64	14 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*52*		*10 - 150*
Tetrachloro-m-xylene	*85*		*17 - 150*

Lab Sample ID: MB 310-464678/1-A
Matrix: Water
Analysis Batch: 465301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464678

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.808		1.97	0.808	ug/L		08/25/25 13:33	09/02/25 12:26	1
PCB-1221	<0.808		1.97	0.808	ug/L		08/25/25 13:33	09/02/25 12:26	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 310-464678/1-A
Matrix: Water
Analysis Batch: 465301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464678

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	<0.808		1.97	0.808	ug/L		08/25/25 13:33	09/02/25 12:26	1
PCB-1242	<0.808		1.97	0.808	ug/L		08/25/25 13:33	09/02/25 12:26	1
PCB-1248	<0.680		1.97	0.680	ug/L		08/25/25 13:33	09/02/25 12:26	1
PCB-1254	<0.680		1.97	0.680	ug/L		08/25/25 13:33	09/02/25 12:26	1
PCB-1260	<0.680		1.97	0.680	ug/L		08/25/25 13:33	09/02/25 12:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*52*		*10 - 150*	*08/25/25 13:33*	*09/02/25 12:26*	*1*
Tetrachloro-m-xylene	*90*		*17 - 150*	*08/25/25 13:33*	*09/02/25 12:26*	*1*

Lab Sample ID: LCS 310-464678/27-A
Matrix: Water
Analysis Batch: 465301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464678

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			27.9	23.41		ug/L		84	25 - 150		
PCB-1260			27.9	22.05		ug/L		79	14 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*82*		*10 - 150*
Tetrachloro-m-xylene	*91*		*17 - 150*

Lab Sample ID: 310-314023-I-7-B MS
Matrix: Water
Analysis Batch: 465301

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 464678

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	<0.776	*3	27.0	28.07		ug/L		104	25 - 150		
PCB-1260	<0.653	*3	27.0	24.65		ug/L		91	10 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*110*		*10 - 150*
Tetrachloro-m-xylene	*102*		*17 - 150*

Lab Sample ID: 310-314023-I-7-C MSD
Matrix: Water
Analysis Batch: 465301

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 464678

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<0.776	*3	27.1	22.19		ug/L		82	25 - 150	23	35
PCB-1260	<0.653	*3	27.1	20.44		ug/L		75	10 - 150	19	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*97*		*10 - 150*
Tetrachloro-m-xylene	*92*		*17 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 310-313100-B-1-I MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: TCLP**
Analysis Batch: 464749 — **Prep Batch: 464511**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	<0.774		26.7	12.80		ug/L		48	25 - 150
PCB-1260	<0.651		26.7	8.596		ug/L		32	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*26*		*10 - 150*
Tetrachloro-m-xylene	*54*		*17 - 150*

Lab Sample ID: 310-313100-B-1-J MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: TCLP**
Analysis Batch: 464749 — **Prep Batch: 464511**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<0.774		26.2	11.26		ug/L		43	25 - 150	13	35
PCB-1260	<0.651		26.2	8.152		ug/L		31	10 - 150	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*15*		*10 - 150*
Tetrachloro-m-xylene	*46*		*17 - 150*

Method: 8151A - Herbicides (GC)

Lab Sample ID: LB 500-830649/1-E — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 831443 — **Prep Batch: 831295**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<3.15		25.0	3.15	ug/L		08/25/25 07:17	08/25/25 18:08	1
Silvex (2,4,5-TP)	<2.63		25.0	2.63	ug/L		08/25/25 07:17	08/25/25 18:08	1
2,4,5-T	<3.50		25.0	3.50	ug/L		08/25/25 07:17	08/25/25 18:08	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*99*		*25 - 130*	*08/25/25 07:17*	*08/25/25 18:08*	*1*

Lab Sample ID: MB 500-831295/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 831443 — **Prep Batch: 831295**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.126		1.00	0.126	ug/L		08/25/25 07:17	08/25/25 17:15	1
Silvex (2,4,5-TP)	<0.105		1.00	0.105	ug/L		08/25/25 07:17	08/25/25 17:15	1
2,4,5-T	<0.140		1.00	0.140	ug/L		08/25/25 07:17	08/25/25 17:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*81*		*25 - 130*	*08/25/25 07:17*	*08/25/25 17:15*	*1*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 500-831295/2-A
Matrix: Water
Analysis Batch: 831443

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 831295

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-D			10.0	9.347		ug/L		93	30 - 115		
Silvex (2,4,5-TP)			2.50	3.028	*+	ug/L		121	32 - 115		
2,4,5-T			2.53	2.551		ug/L		101	30 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA	*99*		*25 - 130*

Lab Sample ID: LCSD 500-831295/3-A
Matrix: Water
Analysis Batch: 831443

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 831295

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D			10.0	10.09		ug/L		101	30 - 115	8	20
Silvex (2,4,5-TP)			2.50	2.756		ug/L		110	32 - 115	9	20
2,4,5-T			2.53	2.869		ug/L		114	30 - 115	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCAA	*121*		*25 - 130*

Lab Sample ID: 310-313099-A-1-C MS
Matrix: Water
Analysis Batch: 831443

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 831295

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-D	<3.15	F1	250	297.4	F1	ug/L		119	30 - 115		
Silvex (2,4,5-TP)	<2.63	*+ F1	62.5	96.26	F1	ug/L		154	32 - 115		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCAA	*135*	*S1+*	*25 - 130*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-464413/1-A
Matrix: Water
Analysis Batch: 464964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464413

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/22/25 09:00	08/27/25 12:13	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/22/25 09:00	08/27/25 12:13	1
Barium	<0.000660		0.00200	0.000660	mg/L		08/22/25 09:00	08/27/25 12:13	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/22/25 09:00	08/27/25 12:13	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/22/25 09:00	08/27/25 12:13	1
Chromium	<0.00180		0.00500	0.00180	mg/L		08/22/25 09:00	08/27/25 12:13	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/22/25 09:00	08/27/25 12:13	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/22/25 09:00	08/27/25 12:13	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/22/25 09:00	08/27/25 12:13	1
Nickel	<0.00230		0.00500	0.00230	mg/L		08/22/25 09:00	08/27/25 12:13	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/22/25 09:00	08/27/25 12:13	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-464413/1-A
Matrix: Water
Analysis Batch: 464964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464413

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.000500		0.00100	0.000500	mg/L		08/22/25 09:00	08/27/25 12:13	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/22/25 09:00	08/27/25 12:13	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/22/25 09:00	08/27/25 12:13	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/22/25 09:00	08/27/25 12:13	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/22/25 09:00	08/27/25 12:13	1

Lab Sample ID: LCS 310-464413/2-A
Matrix: Water
Analysis Batch: 464964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464413

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.1751		mg/L		88	80 - 120
Arsenic	0.200	0.1744		mg/L		87	80 - 120
Barium	0.100	0.08743		mg/L		87	80 - 120
Beryllium	0.100	0.09018		mg/L		90	80 - 120
Cadmium	0.100	0.08987		mg/L		90	80 - 120
Chromium	0.100	0.09090		mg/L		91	80 - 120
Cobalt	0.100	0.09449		mg/L		94	80 - 120
Copper	0.200	0.1953		mg/L		98	80 - 120
Lead	0.200	0.1834		mg/L		92	80 - 120
Nickel	0.200	0.1905		mg/L		95	80 - 120
Selenium	0.400	0.3502		mg/L		88	80 - 120
Silver	0.100	0.1049		mg/L		105	80 - 120
Thallium	0.100	0.09622		mg/L		96	80 - 120
Vanadium	0.100	0.08830		mg/L		88	80 - 120
Tin	0.200	0.1797		mg/L		90	80 - 120
Zinc	0.200	0.1738		mg/L		87	80 - 120

Lab Sample ID: 310-313751-1 MS
Matrix: Water
Analysis Batch: 464964

Client Sample ID: AW-4_25_08
Prep Type: Total/NA
Prep Batch: 464413

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00191	J	0.200	0.1851		mg/L		92	75 - 125
Arsenic	0.00415		0.200	0.1903		mg/L		93	75 - 125
Barium	0.0867		0.100	0.1780		mg/L		91	75 - 125
Beryllium	<0.000330		0.100	0.09541		mg/L		95	75 - 125
Cadmium	0.000507		0.100	0.09198		mg/L		91	75 - 125
Chromium	0.00184	J	0.100	0.09090		mg/L		89	75 - 125
Cobalt	0.0164		0.100	0.1116		mg/L		95	75 - 125
Copper	0.140		0.200	0.3281		mg/L		94	75 - 125
Lead	0.00144		0.200	0.1832		mg/L		91	75 - 125
Nickel	0.126		0.200	0.3094		mg/L		92	75 - 125
Selenium	0.00140	J	0.400	0.3610		mg/L		90	75 - 125
Silver	0.00196		0.100	0.1001		mg/L		98	75 - 125
Thallium	<0.000570		0.100	0.09441		mg/L		94	75 - 125
Vanadium	0.00380	J	0.100	0.09313		mg/L		89	75 - 125
Tin	<0.00250		0.200	0.1774		mg/L		89	75 - 125
Zinc	<0.0130		0.200	0.1839		mg/L		92	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-313751-1 MSD
Matrix: Water
Analysis Batch: 464964

Client Sample ID: AW-4_25_08
Prep Type: Total/NA
Prep Batch: 464413

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.00191	J	0.200	0.1899		mg/L		94	75 - 125	3	20
Arsenic	0.00415		0.200	0.1948		mg/L		95	75 - 125	2	20
Barium	0.0867		0.100	0.1812		mg/L		94	75 - 125	2	20
Beryllium	<0.000330		0.100	0.09830		mg/L		98	75 - 125	3	20
Cadmium	0.000507		0.100	0.09460		mg/L		94	75 - 125	3	20
Chromium	0.00184	J	0.100	0.09245		mg/L		91	75 - 125	2	20
Cobalt	0.0164		0.100	0.1113		mg/L		95	75 - 125	0	20
Copper	0.140		0.200	0.3334		mg/L		97	75 - 125	2	20
Lead	0.00144		0.200	0.1892		mg/L		94	75 - 125	3	20
Nickel	0.126		0.200	0.3105		mg/L		92	75 - 125	0	20
Selenium	0.00140	J	0.400	0.3734		mg/L		93	75 - 125	3	20
Silver	0.00196		0.100	0.1052		mg/L		103	75 - 125	5	20
Thallium	<0.000570		0.100	0.09204		mg/L		92	75 - 125	3	20
Vanadium	0.00380	J	0.100	0.09449		mg/L		91	75 - 125	1	20
Tin	<0.00250		0.200	0.1773		mg/L		89	75 - 125	0	20
Zinc	<0.0130		0.200	0.1891		mg/L		95	75 - 125	3	20

Lab Sample ID: 310-313751-11 DU
Matrix: Water
Analysis Batch: 464964

Client Sample ID: MW-31_25_08
Prep Type: Total/NA
Prep Batch: 464413

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Antimony	<0.00100			<0.00100		mg/L				NC	20
Arsenic	<0.000530			<0.000530		mg/L				NC	20
Barium	0.0876			0.08800		mg/L				0.4	20
Beryllium	<0.000330			<0.000330		mg/L				NC	20
Cadmium	<0.000100			<0.000100		mg/L				NC	20
Chromium	<0.00180			<0.00180		mg/L				NC	20
Cobalt	<0.000170			<0.000170		mg/L				NC	20
Copper	<0.00320			<0.00320		mg/L				NC	20
Lead	<0.000330			<0.000330		mg/L				NC	20
Nickel	<0.00230			<0.00230		mg/L				NC	20
Selenium	<0.00140			<0.00140		mg/L				NC	20
Silver	<0.000500			<0.000500		mg/L				NC	20
Thallium	<0.000570			<0.000570		mg/L				NC	20
Vanadium	<0.00170			<0.00170		mg/L				NC	20
Tin	<0.00250			<0.00250		mg/L				NC	20
Zinc	<0.0130			<0.0130		mg/L				NC	20

Lab Sample ID: MB 310-464703/1-A
Matrix: Water
Analysis Batch: 465005

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464703

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00100		0.00200	0.00100	mg/L		08/26/25 09:00	08/27/25 14:18	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/26/25 09:00	08/27/25 14:18	1
Barium	<0.000660		0.00200	0.000660	mg/L		08/26/25 09:00	08/27/25 14:18	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/26/25 09:00	08/27/25 14:18	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/26/25 09:00	08/27/25 14:18	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-464703/1-A
Matrix: Water
Analysis Batch: 465005

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464703

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.00180		0.00500	0.00180	mg/L		08/26/25 09:00	08/27/25 14:18	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/26/25 09:00	08/27/25 14:18	1
Copper	<0.00320		0.00500	0.00320	mg/L		08/26/25 09:00	08/27/25 14:18	1
Lead	<0.000330		0.000500	0.000330	mg/L		08/26/25 09:00	08/27/25 14:18	1
Nickel	<0.00230		0.00500	0.00230	mg/L		08/26/25 09:00	08/27/25 14:18	1
Selenium	<0.00140		0.00500	0.00140	mg/L		08/26/25 09:00	08/27/25 14:18	1
Silver	<0.000500		0.00100	0.000500	mg/L		08/26/25 09:00	08/27/25 14:18	1
Thallium	<0.000570		0.00100	0.000570	mg/L		08/26/25 09:00	08/27/25 14:18	1
Vanadium	<0.00170		0.00500	0.00170	mg/L		08/26/25 09:00	08/27/25 14:18	1
Tin	<0.00250		0.00500	0.00250	mg/L		08/26/25 09:00	08/27/25 14:18	1
Zinc	<0.0130		0.0200	0.0130	mg/L		08/26/25 09:00	08/27/25 14:18	1

Lab Sample ID: LCS 310-464703/2-A
Matrix: Water
Analysis Batch: 465005

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464703

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2109		mg/L		105	80 - 120
Arsenic	0.200	0.2069		mg/L		103	80 - 120
Barium	0.100	0.09731		mg/L		97	80 - 120
Beryllium	0.100	0.1013		mg/L		101	80 - 120
Cadmium	0.100	0.09884		mg/L		99	80 - 120
Chromium	0.100	0.1045		mg/L		104	80 - 120
Cobalt	0.100	0.1081		mg/L		108	80 - 120
Copper	0.200	0.2095		mg/L		105	80 - 120
Lead	0.200	0.2142		mg/L		107	80 - 120
Nickel	0.200	0.2063		mg/L		103	80 - 120
Selenium	0.400	0.3874		mg/L		97	80 - 120
Silver	0.100	0.1121		mg/L		112	80 - 120
Thallium	0.100	0.09178		mg/L		92	80 - 120
Vanadium	0.100	0.09960		mg/L		100	80 - 120
Tin	0.200	0.2076		mg/L		104	80 - 120
Zinc	0.200	0.1873		mg/L		94	80 - 120

Lab Sample ID: 310-313433-A-1-B MS
Matrix: Water
Analysis Batch: 465005

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 464703

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00100		0.200	0.2229		mg/L		111	75 - 125
Arsenic	0.000848	J	0.200	0.2117		mg/L		105	75 - 125
Barium	0.0488		0.100	0.1457		mg/L		97	75 - 125
Beryllium	<0.000330		0.100	0.1047		mg/L		105	75 - 125
Cadmium	<0.000100		0.100	0.1012		mg/L		101	75 - 125
Chromium	<0.00180		0.100	0.09902		mg/L		99	75 - 125
Cobalt	<0.000170		0.100	0.1049		mg/L		105	75 - 125
Copper	<0.00320		0.200	0.2044		mg/L		102	75 - 125
Lead	<0.000330		0.200	0.2047		mg/L		102	75 - 125
Nickel	<0.00230		0.200	0.2025		mg/L		101	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-313433-A-1-B MS
Matrix: Water
Analysis Batch: 465005

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 464703

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	<0.00140		0.400	0.4075		mg/L		102	75 - 125
Silver	<0.000500		0.100	0.1099		mg/L		110	75 - 125
Thallium	<0.000570		0.100	0.08364		mg/L		84	75 - 125
Vanadium	<0.00170		0.100	0.09979		mg/L		100	75 - 125
Tin	<0.00250		0.200	0.2144		mg/L		107	75 - 125
Zinc	<0.0130		0.200	0.1917		mg/L		96	75 - 125

Lab Sample ID: 310-313433-A-1-C MSD
Matrix: Water
Analysis Batch: 465005

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 464703

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00100		0.200	0.2476		mg/L		124	75 - 125	10	20
Arsenic	0.000848	J	0.200	0.2290		mg/L		114	75 - 125	8	20
Barium	0.0488		0.100	0.1557		mg/L		107	75 - 125	7	20
Beryllium	<0.000330		0.100	0.1141		mg/L		114	75 - 125	9	20
Cadmium	<0.000100		0.100	0.1106		mg/L		111	75 - 125	9	20
Chromium	<0.00180		0.100	0.1072		mg/L		107	75 - 125	8	20
Cobalt	<0.000170		0.100	0.1133		mg/L		113	75 - 125	8	20
Copper	<0.00320		0.200	0.2215		mg/L		111	75 - 125	8	20
Lead	<0.000330		0.200	0.2254		mg/L		113	75 - 125	10	20
Nickel	<0.00230		0.200	0.2174		mg/L		109	75 - 125	7	20
Selenium	<0.00140		0.400	0.4423		mg/L		111	75 - 125	8	20
Silver	<0.000500		0.100	0.1189		mg/L		119	75 - 125	8	20
Thallium	<0.000570		0.100	0.09240		mg/L		92	75 - 125	10	20
Vanadium	<0.00170		0.100	0.1076		mg/L		108	75 - 125	8	20
Tin	<0.00250		0.200	0.2356		mg/L		118	75 - 125	9	20
Zinc	<0.0130		0.200	0.2117		mg/L		106	75 - 125	10	20

Lab Sample ID: 310-313755-A-2-B DU
Matrix: Water
Analysis Batch: 465005

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 464703

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00100		<0.00100		mg/L		NC	20
Arsenic	0.00184	J	0.001778	J	mg/L		4	20
Barium	0.0811		0.07904		mg/L		3	20
Beryllium	<0.000330		<0.000330		mg/L		NC	20
Cadmium	<0.000100		<0.000100		mg/L		NC	20
Chromium	<0.00180		<0.00180		mg/L		NC	20
Cobalt	0.00178		0.001761		mg/L		1	20
Copper	<0.00320		<0.00320		mg/L		NC	20
Lead	0.000524		0.0005480		mg/L		4	20
Nickel	0.00391	J	0.003688	J	mg/L		6	20
Selenium	<0.00140		<0.00140		mg/L		NC	20
Silver	<0.000500		<0.000500		mg/L		NC	20
Thallium	<0.000570		<0.000570		mg/L		NC	20
Vanadium	<0.00170		<0.00170		mg/L		NC	20
Tin	<0.00250		<0.00250		mg/L		NC	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-313755-A-2-B DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 465005 — **Prep Batch: 464703**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	<0.0130		<0.0130		mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-464802/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 465101 — **Prep Batch: 464802**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		08/27/25 12:30	08/28/25 09:46	1

Lab Sample ID: LCS 310-464802/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 465101 — **Prep Batch: 464802**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001562		mg/L		94	80 - 120

Lab Sample ID: 310-313751-2 MS — **Client Sample ID: MW--17_25_08**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 465101 — **Prep Batch: 464802**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000110		0.00167	0.001651		mg/L		99	80 - 120

Lab Sample ID: 310-313751-2 MSD — **Client Sample ID: MW--17_25_08**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 465101 — **Prep Batch: 464802**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000110		0.00167	0.001582		mg/L		95	80 - 120	4	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 310-464315/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 464563 — **Prep Batch: 464315**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.00350		0.0100	0.00350	mg/L		08/21/25 08:45	08/22/25 19:11	1

Lab Sample ID: LCS 310-464315/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 464563 — **Prep Batch: 464315**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.1944		mg/L		97	90 - 110

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 310-313760-B-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 464563 — **Prep Batch: 464315**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	<0.00350		0.200	0.1962		mg/L		98	63 - 122		

Lab Sample ID: 310-313760-B-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 464563 — **Prep Batch: 464315**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.00350		0.200	0.1996		mg/L		100	63 - 122	2	35

Lab Sample ID: MB 310-464489/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 464563 — **Prep Batch: 464489**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.00350		0.0100	0.00350	mg/L		08/22/25 10:48	08/22/25 19:36	1

Lab Sample ID: LCS 310-464489/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 464563 — **Prep Batch: 464489**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	0.200	0.2012		mg/L		101	90 - 110		

Lab Sample ID: 310-313751-12 MS — **Client Sample ID: MW-35_25_08**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 464563 — **Prep Batch: 464489**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	<0.00350		0.200	0.2086		mg/L		104	63 - 122		

Lab Sample ID: 310-313751-12 MSD — **Client Sample ID: MW-35_25_08**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 464563 — **Prep Batch: 464489**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.00350		0.200	0.2051		mg/L		103	63 - 122	2	35

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-831331/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 831333 — **Prep Batch: 831331**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.231		1.00	0.231	mg/L		08/24/25 18:00	08/25/25 01:43	1

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: LCS 500-831331/2-A
Matrix: Water
Analysis Batch: 831333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 831331

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			3.51	3.777		mg/L		107	80 - 120		

Lab Sample ID: 310-313751-7 MS
Matrix: Water
Analysis Batch: 831333

Client Sample ID: MW-25_25_08
Prep Type: Total/NA
Prep Batch: 831331

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<0.231		8.79	9.641		mg/L		110	75 - 125		

Lab Sample ID: 310-313751-7 MSD
Matrix: Water
Analysis Batch: 831333

Client Sample ID: MW-25_25_08
Prep Type: Total/NA
Prep Batch: 831331

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.231		8.79	10.24		mg/L		117	75 - 125	6	20

Lab Sample ID: MB 500-831454/1-A
Matrix: Water
Analysis Batch: 831455

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 831454

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.231		1.00	0.231	mg/L		08/25/25 18:00	08/26/25 04:13	1

Lab Sample ID: LCS 500-831454/2-A
Matrix: Water
Analysis Batch: 831455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 831454

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			3.51	3.713		mg/L		106	80 - 120		

Lab Sample ID: 310-313751-21 MS
Matrix: Water
Analysis Batch: 831455

Client Sample ID: FB-2_25_08
Prep Type: Total/NA
Prep Batch: 831454

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<0.231		8.79	9.761		mg/L		111	75 - 125		

Lab Sample ID: 310-313751-21 MSD
Matrix: Water
Analysis Batch: 831455

Client Sample ID: FB-2_25_08
Prep Type: Total/NA
Prep Batch: 831454

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.231		8.79	9.402		mg/L		107	75 - 125	4	20

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-464371/1
Matrix: Water
Analysis Batch: 464371

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<3.50		5.00	3.50	mg/L			08/21/25 12:35	1

Lab Sample ID: LCS 310-464371/2
Matrix: Water
Analysis Batch: 464371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	101.0		mg/L		101	82 - 117

Lab Sample ID: 310-313751-15 DU
Matrix: Water
Analysis Batch: 464371

Client Sample ID: MW-106A_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	44.0		46.00		mg/L		4	35

Lab Sample ID: MB 310-464473/1
Matrix: Water
Analysis Batch: 464473

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<3.50		5.00	3.50	mg/L			08/22/25 09:57	1

Lab Sample ID: LCS 310-464473/2
Matrix: Water
Analysis Batch: 464473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	96.00		mg/L		96	82 - 117

Lab Sample ID: 310-313737-B-1 DU
Matrix: Water
Analysis Batch: 464473

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	1680		1720		mg/L		2	35

Lab Sample ID: MB 310-464501/1
Matrix: Water
Analysis Batch: 464501

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<3.50		5.00	3.50	mg/L			08/22/25 11:28	1

Lab Sample ID: LCS 310-464501/2
Matrix: Water
Analysis Batch: 464501

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	92.00		mg/L		92	82 - 117

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: 310-313760-B-2 DU
Matrix: Water
Analysis Batch: 464501

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	<3.50			<3.50		mg/L				NC	35

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Analysis Batch: 464356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	8260D	
310-313751-2	MW--17_25_08	Total/NA	Water	8260D	
310-313751-3	MW-18_25_08	Total/NA	Water	8260D	
310-313751-4	MW-19_25_08	Total/NA	Water	8260D	
310-313751-5	MW-20_25_08	Total/NA	Water	8260D	
310-313751-6	MW-24_25_08	Total/NA	Water	8260D	
310-313751-7	MW-25_25_08	Total/NA	Water	8260D	
310-313751-8	MW-26_25_08	Total/NA	Water	8260D	
310-313751-9	MW-28_25_08	Total/NA	Water	8260D	
310-313751-10	MW-30_25_08	Total/NA	Water	8260D	
310-313751-11	MW-31_25_08	Total/NA	Water	8260D	
310-313751-12	MW-35_25_08	Total/NA	Water	8260D	
310-313751-13	MW-36_25_08	Total/NA	Water	8260D	
310-313751-14	MW-102B_25_08	Total/NA	Water	8260D	
310-313751-15	MW-106A_25_08	Total/NA	Water	8260D	
310-313751-16	MW-107A_25_08	Total/NA	Water	8260D	
310-313751-17	MW-107B_25_08	Total/NA	Water	8260D	
310-313751-18	MW-108B_25_08	Total/NA	Water	8260D	
310-313751-19	FD-2_25_08	Total/NA	Water	8260D	
310-313751-20	FD-5_25_08	Total/NA	Water	8260D	
MB 310-464356/5	Method Blank	Total/NA	Water	8260D	
LCS 310-464356/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-464356/7	Lab Control Sample	Total/NA	Water	8260D	
310-313751-3 MS	MW-18_25_08	Total/NA	Water	8260D	
310-313751-3 MSD	MW-18_25_08	Total/NA	Water	8260D	

Analysis Batch: 464361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-21	FB-2_25_08	Total/NA	Water	8260D	
310-313751-22	TB-2_25_08	Total/NA	Water	8260D	
MB 310-464361/5	Method Blank	Total/NA	Water	8260D	
LCS 310-464361/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-464361/7	Lab Control Sample	Total/NA	Water	8260D	
310-313465-C-4 MS	Matrix Spike	Total/NA	Water	8260D	
310-313465-C-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 464657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-21	FB-2_25_08	Total/NA	Water	8260D	
MB 310-464657/5	Method Blank	Total/NA	Water	8260D	
LCS 310-464657/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-464657/7	Lab Control Sample	Total/NA	Water	8260D	
310-313882-M-3 MS	Matrix Spike	Total/NA	Water	8260D	
310-313882-M-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

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Prep Batch: 464458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-6	MW-24_25_08	Total/NA	Water	3510C	
310-313751-7	MW-25_25_08	Total/NA	Water	3510C	

GC/MS Semi VOA (Continued)

Prep Batch: 464458 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-8	MW-26_25_08	Total/NA	Water	3510C	
310-313751-9	MW-28_25_08	Total/NA	Water	3510C	
310-313751-10	MW-30_25_08	Total/NA	Water	3510C	
310-313751-19	FD-2_25_08	Total/NA	Water	3510C	
MB 310-464458/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-464458/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-464458/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 464719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	3510C	
310-313751-2	MW--17_25_08	Total/NA	Water	3510C	
310-313751-3	MW-18_25_08	Total/NA	Water	3510C	
310-313751-4	MW-19_25_08	Total/NA	Water	3510C	
310-313751-5	MW-20_25_08	Total/NA	Water	3510C	
310-313751-12	MW-35_25_08	Total/NA	Water	3510C	
310-313751-13	MW-36_25_08	Total/NA	Water	3510C	
310-313751-21	FB-2_25_08	Total/NA	Water	3510C	
MB 310-464719/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-464719/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-464719/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 464999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-6	MW-24_25_08	Total/NA	Water	8270E	464458
MB 310-464458/1-A	Method Blank	Total/NA	Water	8270E	464458
LCS 310-464458/2-A	Lab Control Sample	Total/NA	Water	8270E	464458
LCSD 310-464458/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	464458

Analysis Batch: 465217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	8270E	464719
310-313751-2	MW--17_25_08	Total/NA	Water	8270E	464719
310-313751-3	MW-18_25_08	Total/NA	Water	8270E	464719
310-313751-4	MW-19_25_08	Total/NA	Water	8270E	464719
310-313751-5	MW-20_25_08	Total/NA	Water	8270E	464719
310-313751-7	MW-25_25_08	Total/NA	Water	8270E	464458
310-313751-9	MW-28_25_08	Total/NA	Water	8270E	464458
310-313751-10	MW-30_25_08	Total/NA	Water	8270E	464458
310-313751-12	MW-35_25_08	Total/NA	Water	8270E	464719
310-313751-13	MW-36_25_08	Total/NA	Water	8270E	464719
310-313751-19	FD-2_25_08	Total/NA	Water	8270E	464458
310-313751-21	FB-2_25_08	Total/NA	Water	8270E	464719
MB 310-464719/1-A	Method Blank	Total/NA	Water	8270E	464719
LCS 310-464719/2-A	Lab Control Sample	Total/NA	Water	8270E	464719
LCSD 310-464719/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	464719

Analysis Batch: 465678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	8270E	464719
310-313751-2	MW--17_25_08	Total/NA	Water	8270E	464719

GC/MS Semi VOA (Continued)

Analysis Batch: 465678 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-3	MW-18_25_08	Total/NA	Water	8270E	464719
310-313751-4	MW-19_25_08	Total/NA	Water	8270E	464719
310-313751-5	MW-20_25_08	Total/NA	Water	8270E	464719
310-313751-7	MW-25_25_08	Total/NA	Water	8270E	464458
310-313751-8	MW-26_25_08	Total/NA	Water	8270E	464458
310-313751-9	MW-28_25_08	Total/NA	Water	8270E	464458
310-313751-10	MW-30_25_08	Total/NA	Water	8270E	464458
310-313751-12	MW-35_25_08	Total/NA	Water	8270E	464719
310-313751-13	MW-36_25_08	Total/NA	Water	8270E	464719
310-313751-19	FD-2_25_08	Total/NA	Water	8270E	464458
310-313751-21	FB-2_25_08	Total/NA	Water	8270E	464719
MB 310-464719/1-A	Method Blank	Total/NA	Water	8270E	464719
LCS 310-464719/2-A	Lab Control Sample	Total/NA	Water	8270E	464719
LCSD 310-464719/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	464719

GC Semi VOA

Leach Batch: 464103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-464103/1-E	Method Blank	Total/NA	Water	1311	
310-313099-B-1-E MS	Matrix Spike	TCLP	Water	1311	
310-313099-B-1-F MSD	Matrix Spike Duplicate	TCLP	Water	1311	

Leach Batch: 464396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-464396/1-D	Method Blank	Total/NA	Water	1311	
310-313100-B-1-I MS	Matrix Spike	TCLP	Water	1311	
310-313100-B-1-J MSD	Matrix Spike Duplicate	TCLP	Water	1311	

Analysis Batch: 464452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	8015C	
310-313751-2	MW--17_25_08	Total/NA	Water	8015C	
310-313751-3	MW-18_25_08	Total/NA	Water	8015C	
310-313751-4	MW-19_25_08	Total/NA	Water	8015C	
310-313751-5	MW-20_25_08	Total/NA	Water	8015C	
310-313751-6	MW-24_25_08	Total/NA	Water	8015C	
310-313751-7	MW-25_25_08	Total/NA	Water	8015C	
310-313751-9	MW-28_25_08	Total/NA	Water	8015C	
310-313751-10	MW-30_25_08	Total/NA	Water	8015C	
310-313751-12	MW-35_25_08	Total/NA	Water	8015C	
310-313751-13	MW-36_25_08	Total/NA	Water	8015C	
310-313751-19	FD-2_25_08	Total/NA	Water	8015C	
310-313751-21	FB-2_25_08	Total/NA	Water	8015C	
MB 310-464452/7	Method Blank	Total/NA	Water	8015C	
LCS 310-464452/5	Lab Control Sample	Total/NA	Water	8015C	
190-37760-A-1 MS	Matrix Spike	Total/NA	Water	8015C	
190-37760-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015C	

GC Semi VOA

Prep Batch: 464511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-6	MW-24_25_08	Total/NA	Water	3511	
310-313751-7	MW-25_25_08	Total/NA	Water	3511	
310-313751-8	MW-26_25_08	Total/NA	Water	3511	
310-313751-9	MW-28_25_08	Total/NA	Water	3511	
310-313751-10	MW-30_25_08	Total/NA	Water	3511	
310-313751-12	MW-35_25_08	Total/NA	Water	3511	
310-313751-13	MW-36_25_08	Total/NA	Water	3511	
LB 310-464103/1-E	Method Blank	Total/NA	Water	3511	464103
LB 310-464396/1-D	Method Blank	Total/NA	Water	3511	464396
MB 310-464511/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-464511/32-A	Lab Control Sample	Total/NA	Water	3511	
LCS 310-464511/8-A	Lab Control Sample	Total/NA	Water	3511	
310-313099-B-1-E MS	Matrix Spike	TCLP	Water	3511	464103
310-313099-B-1-F MSD	Matrix Spike Duplicate	TCLP	Water	3511	464103
310-313100-B-1-I MS	Matrix Spike	TCLP	Water	3511	464396
310-313100-B-1-J MSD	Matrix Spike Duplicate	TCLP	Water	3511	464396

Prep Batch: 464678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	3511	
310-313751-2	MW--17_25_08	Total/NA	Water	3511	
310-313751-3	MW-18_25_08	Total/NA	Water	3511	
310-313751-4	MW-19_25_08	Total/NA	Water	3511	
310-313751-5	MW-20_25_08	Total/NA	Water	3511	
310-313751-6	MW-24_25_08	Total/NA	Water	3511	
310-313751-7	MW-25_25_08	Total/NA	Water	3511	
310-313751-9	MW-28_25_08	Total/NA	Water	3511	
310-313751-10	MW-30_25_08	Total/NA	Water	3511	
310-313751-12	MW-35_25_08	Total/NA	Water	3511	
310-313751-13	MW-36_25_08	Total/NA	Water	3511	
310-313751-19	FD-2_25_08	Total/NA	Water	3511	
310-313751-21	FB-2_25_08	Total/NA	Water	3511	
MB 310-464678/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-464678/27-A	Lab Control Sample	Total/NA	Water	3511	
LCS 310-464678/2-A	Lab Control Sample	Total/NA	Water	3511	
310-313751-1 MS	AW-4_25_08	Total/NA	Water	3511	
310-313751-1 MSD	AW-4_25_08	Total/NA	Water	3511	
310-314023-I-7-B MS	Matrix Spike	Total/NA	Water	3511	
310-314023-I-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	3511	

Analysis Batch: 464747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-464103/1-E	Method Blank	Total/NA	Water	8081B	464511
MB 310-464511/1-A	Method Blank	Total/NA	Water	8081B	464511
LCS 310-464511/32-A	Lab Control Sample	Total/NA	Water	8081B	464511
310-313099-B-1-E MS	Matrix Spike	TCLP	Water	8081B	464511
310-313099-B-1-F MSD	Matrix Spike Duplicate	TCLP	Water	8081B	464511

Analysis Batch: 464749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-464396/1-D	Method Blank	Total/NA	Water	8082A	464511

GC Semi VOA (Continued)

Analysis Batch: 464749 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-464511/1-A	Method Blank	Total/NA	Water	8082A	464511
LCS 310-464511/8-A	Lab Control Sample	Total/NA	Water	8082A	464511
310-313100-B-1-I MS	Matrix Spike	TCLP	Water	8082A	464511
310-313100-B-1-J MSD	Matrix Spike Duplicate	TCLP	Water	8082A	464511

Analysis Batch: 464853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-6	MW-24_25_08	Total/NA	Water	8082A	464511
310-313751-7	MW-25_25_08	Total/NA	Water	8082A	464511
310-313751-9	MW-28_25_08	Total/NA	Water	8082A	464511
310-313751-10	MW-30_25_08	Total/NA	Water	8082A	464511
310-313751-12	MW-35_25_08	Total/NA	Water	8082A	464511
310-313751-13	MW-36_25_08	Total/NA	Water	8082A	464511

Analysis Batch: 465011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-8	MW-26_25_08	Total/NA	Water	8081B	464511

Analysis Batch: 465299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	8081B	464678
310-313751-2	MW--17_25_08	Total/NA	Water	8081B	464678
310-313751-3	MW-18_25_08	Total/NA	Water	8081B	464678
310-313751-4	MW-19_25_08	Total/NA	Water	8081B	464678
310-313751-5	MW-20_25_08	Total/NA	Water	8081B	464678
310-313751-6	MW-24_25_08	Total/NA	Water	8081B	464678
310-313751-7	MW-25_25_08	Total/NA	Water	8081B	464678
MB 310-464678/1-A	Method Blank	Total/NA	Water	8081B	464678
LCS 310-464678/2-A	Lab Control Sample	Total/NA	Water	8081B	464678
310-313751-1 MS	AW-4_25_08	Total/NA	Water	8081B	464678
310-313751-1 MSD	AW-4_25_08	Total/NA	Water	8081B	464678

Analysis Batch: 465301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	8082A	464678
310-313751-2	MW--17_25_08	Total/NA	Water	8082A	464678
310-313751-3	MW-18_25_08	Total/NA	Water	8082A	464678
310-313751-4	MW-19_25_08	Total/NA	Water	8082A	464678
310-313751-5	MW-20_25_08	Total/NA	Water	8082A	464678
MB 310-464678/1-A	Method Blank	Total/NA	Water	8082A	464678
LCS 310-464678/27-A	Lab Control Sample	Total/NA	Water	8082A	464678
310-314023-I-7-B MS	Matrix Spike	Total/NA	Water	8082A	464678
310-314023-I-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	8082A	464678

Analysis Batch: 465443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-9	MW-28_25_08	Total/NA	Water	8081B	464678
310-313751-10	MW-30_25_08	Total/NA	Water	8081B	464678
310-313751-12	MW-35_25_08	Total/NA	Water	8081B	464678
310-313751-13	MW-36_25_08	Total/NA	Water	8081B	464678
310-313751-19	FD-2_25_08	Total/NA	Water	8081B	464678

GC Semi VOA (Continued)

Analysis Batch: 465443 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-21	FB-2_25_08	Total/NA	Water	8081B	464678

Analysis Batch: 465445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-19	FD-2_25_08	Total/NA	Water	8082A	464678
310-313751-21	FB-2_25_08	Total/NA	Water	8082A	464678

Leach Batch: 830649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 500-830649/1-E	Method Blank	Total/NA	Water	1311	
310-313099-A-1-C MS	Matrix Spike	TCLP	Water	1311	

Prep Batch: 831295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	8151A	
310-313751-2	MW--17_25_08	Total/NA	Water	8151A	
310-313751-3	MW-18_25_08	Total/NA	Water	8151A	
310-313751-4	MW-19_25_08	Total/NA	Water	8151A	
310-313751-5	MW-20_25_08	Total/NA	Water	8151A	
310-313751-6	MW-24_25_08	Total/NA	Water	8151A	
310-313751-7	MW-25_25_08	Total/NA	Water	8151A	
310-313751-9	MW-28_25_08	Total/NA	Water	8151A	
310-313751-10	MW-30_25_08	Total/NA	Water	8151A	
310-313751-12	MW-35_25_08	Total/NA	Water	8151A	
310-313751-13	MW-36_25_08	Total/NA	Water	8151A	
310-313751-19	FD-2_25_08	Total/NA	Water	8151A	
310-313751-21	FB-2_25_08	Total/NA	Water	8151A	
LB 500-830649/1-E	Method Blank	Total/NA	Water	8151A	830649
MB 500-831295/1-A	Method Blank	Total/NA	Water	8151A	
LCS 500-831295/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 500-831295/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	
310-313099-A-1-C MS	Matrix Spike	TCLP	Water	8151A	830649

Analysis Batch: 831443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	8151A	831295
310-313751-2	MW--17_25_08	Total/NA	Water	8151A	831295
310-313751-3	MW-18_25_08	Total/NA	Water	8151A	831295
310-313751-4	MW-19_25_08	Total/NA	Water	8151A	831295
310-313751-5	MW-20_25_08	Total/NA	Water	8151A	831295
310-313751-6	MW-24_25_08	Total/NA	Water	8151A	831295
310-313751-7	MW-25_25_08	Total/NA	Water	8151A	831295
310-313751-9	MW-28_25_08	Total/NA	Water	8151A	831295
310-313751-10	MW-30_25_08	Total/NA	Water	8151A	831295
310-313751-12	MW-35_25_08	Total/NA	Water	8151A	831295
310-313751-13	MW-36_25_08	Total/NA	Water	8151A	831295
310-313751-19	FD-2_25_08	Total/NA	Water	8151A	831295
310-313751-21	FB-2_25_08	Total/NA	Water	8151A	831295
LB 500-830649/1-E	Method Blank	Total/NA	Water	8151A	831295
MB 500-831295/1-A	Method Blank	Total/NA	Water	8151A	831295
LCS 500-831295/2-A	Lab Control Sample	Total/NA	Water	8151A	831295

GC Semi VOA (Continued)

Analysis Batch: 831443 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 500-831295/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	831295
310-313099-A-1-C MS	Matrix Spike	TCLP	Water	8151A	831295

Metals

Prep Batch: 464413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	3005A	
310-313751-2	MW--17_25_08	Total/NA	Water	3005A	
310-313751-3	MW-18_25_08	Total/NA	Water	3005A	
310-313751-4	MW-19_25_08	Total/NA	Water	3005A	
310-313751-5	MW-20_25_08	Total/NA	Water	3005A	
310-313751-6	MW-24_25_08	Total/NA	Water	3005A	
310-313751-7	MW-25_25_08	Total/NA	Water	3005A	
310-313751-8	MW-26_25_08	Total/NA	Water	3005A	
310-313751-9	MW-28_25_08	Total/NA	Water	3005A	
310-313751-10	MW-30_25_08	Total/NA	Water	3005A	
310-313751-11	MW-31_25_08	Total/NA	Water	3005A	
310-313751-12	MW-35_25_08	Total/NA	Water	3005A	
310-313751-13	MW-36_25_08	Total/NA	Water	3005A	
310-313751-14	MW-102B_25_08	Total/NA	Water	3005A	
310-313751-15	MW-106A_25_08	Total/NA	Water	3005A	
310-313751-16	MW-107A_25_08	Total/NA	Water	3005A	
310-313751-17	MW-107B_25_08	Total/NA	Water	3005A	
310-313751-18	MW-108B_25_08	Total/NA	Water	3005A	
310-313751-19	FD-2_25_08	Total/NA	Water	3005A	
MB 310-464413/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-464413/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-313751-1 MS	AW-4_25_08	Total/NA	Water	3005A	
310-313751-1 MSD	AW-4_25_08	Total/NA	Water	3005A	
310-313751-11 DU	MW-31_25_08	Total/NA	Water	3005A	

Prep Batch: 464703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-20	FD-5_25_08	Total/NA	Water	3005A	
310-313751-21	FB-2_25_08	Total/NA	Water	3005A	
MB 310-464703/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-464703/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-313433-A-1-B MS	Matrix Spike	Dissolved	Water	3005A	
310-313433-A-1-C MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	
310-313755-A-2-B DU	Duplicate	Dissolved	Water	3005A	

Prep Batch: 464802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	7470A	
310-313751-2	MW--17_25_08	Total/NA	Water	7470A	
310-313751-3	MW-18_25_08	Total/NA	Water	7470A	
310-313751-4	MW-19_25_08	Total/NA	Water	7470A	
310-313751-5	MW-20_25_08	Total/NA	Water	7470A	
310-313751-6	MW-24_25_08	Total/NA	Water	7470A	
310-313751-7	MW-25_25_08	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 464802 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-9	MW-28_25_08	Total/NA	Water	7470A	
310-313751-10	MW-30_25_08	Total/NA	Water	7470A	
310-313751-12	MW-35_25_08	Total/NA	Water	7470A	
310-313751-13	MW-36_25_08	Total/NA	Water	7470A	
310-313751-19	FD-2_25_08	Total/NA	Water	7470A	
310-313751-21	FB-2_25_08	Total/NA	Water	7470A	
MB 310-464802/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-464802/2-A	Lab Control Sample	Total/NA	Water	7470A	
310-313751-2 MS	MW--17_25_08	Total/NA	Water	7470A	
310-313751-2 MSD	MW--17_25_08	Total/NA	Water	7470A	

Analysis Batch: 464964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	6020B	464413
310-313751-2	MW--17_25_08	Total/NA	Water	6020B	464413
310-313751-3	MW-18_25_08	Total/NA	Water	6020B	464413
310-313751-4	MW-19_25_08	Total/NA	Water	6020B	464413
310-313751-5	MW-20_25_08	Total/NA	Water	6020B	464413
310-313751-6	MW-24_25_08	Total/NA	Water	6020B	464413
310-313751-7	MW-25_25_08	Total/NA	Water	6020B	464413
310-313751-8	MW-26_25_08	Total/NA	Water	6020B	464413
310-313751-9	MW-28_25_08	Total/NA	Water	6020B	464413
310-313751-10	MW-30_25_08	Total/NA	Water	6020B	464413
310-313751-11	MW-31_25_08	Total/NA	Water	6020B	464413
310-313751-12	MW-35_25_08	Total/NA	Water	6020B	464413
310-313751-13	MW-36_25_08	Total/NA	Water	6020B	464413
310-313751-14	MW-102B_25_08	Total/NA	Water	6020B	464413
310-313751-15	MW-106A_25_08	Total/NA	Water	6020B	464413
310-313751-16	MW-107A_25_08	Total/NA	Water	6020B	464413
310-313751-17	MW-107B_25_08	Total/NA	Water	6020B	464413
310-313751-18	MW-108B_25_08	Total/NA	Water	6020B	464413
310-313751-19	FD-2_25_08	Total/NA	Water	6020B	464413
MB 310-464413/1-A	Method Blank	Total/NA	Water	6020B	464413
LCS 310-464413/2-A	Lab Control Sample	Total/NA	Water	6020B	464413
310-313751-1 MS	AW-4_25_08	Total/NA	Water	6020B	464413
310-313751-1 MSD	AW-4_25_08	Total/NA	Water	6020B	464413
310-313751-11 DU	MW-31_25_08	Total/NA	Water	6020B	464413

Analysis Batch: 465005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-20	FD-5_25_08	Total/NA	Water	6020B	464703
310-313751-21	FB-2_25_08	Total/NA	Water	6020B	464703
MB 310-464703/1-A	Method Blank	Total/NA	Water	6020B	464703
LCS 310-464703/2-A	Lab Control Sample	Total/NA	Water	6020B	464703
310-313433-A-1-B MS	Matrix Spike	Dissolved	Water	6020B	464703
310-313433-A-1-C MSD	Matrix Spike Duplicate	Dissolved	Water	6020B	464703
310-313755-A-2-B DU	Duplicate	Dissolved	Water	6020B	464703

Analysis Batch: 465101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	7470A	464802

Metals (Continued)

Analysis Batch: 465101 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-2	MW--17_25_08	Total/NA	Water	7470A	464802
310-313751-3	MW-18_25_08	Total/NA	Water	7470A	464802
310-313751-4	MW-19_25_08	Total/NA	Water	7470A	464802
310-313751-5	MW-20_25_08	Total/NA	Water	7470A	464802
310-313751-6	MW-24_25_08	Total/NA	Water	7470A	464802
310-313751-7	MW-25_25_08	Total/NA	Water	7470A	464802
310-313751-9	MW-28_25_08	Total/NA	Water	7470A	464802
310-313751-10	MW-30_25_08	Total/NA	Water	7470A	464802
310-313751-12	MW-35_25_08	Total/NA	Water	7470A	464802
310-313751-13	MW-36_25_08	Total/NA	Water	7470A	464802
310-313751-19	FD-2_25_08	Total/NA	Water	7470A	464802
310-313751-21	FB-2_25_08	Total/NA	Water	7470A	464802
MB 310-464802/1-A	Method Blank	Total/NA	Water	7470A	464802
LCS 310-464802/2-A	Lab Control Sample	Total/NA	Water	7470A	464802
310-313751-2 MS	MW--17_25_08	Total/NA	Water	7470A	464802
310-313751-2 MSD	MW--17_25_08	Total/NA	Water	7470A	464802

General Chemistry

Prep Batch: 464315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	9012B	
310-313751-2	MW--17_25_08	Total/NA	Water	9012B	
310-313751-3	MW-18_25_08	Total/NA	Water	9012B	
310-313751-4	MW-19_25_08	Total/NA	Water	9012B	
310-313751-5	MW-20_25_08	Total/NA	Water	9012B	
310-313751-6	MW-24_25_08	Total/NA	Water	9012B	
310-313751-7	MW-25_25_08	Total/NA	Water	9012B	
310-313751-9	MW-28_25_08	Total/NA	Water	9012B	
310-313751-10	MW-30_25_08	Total/NA	Water	9012B	
MB 310-464315/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-464315/2-A	Lab Control Sample	Total/NA	Water	9012B	
310-313760-B-1-B MS	Matrix Spike	Total/NA	Water	9012B	
310-313760-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	

Analysis Batch: 464371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-4	MW-19_25_08	Total/NA	Water	I-3765-85	
310-313751-6	MW-24_25_08	Total/NA	Water	I-3765-85	
310-313751-7	MW-25_25_08	Total/NA	Water	I-3765-85	
310-313751-8	MW-26_25_08	Total/NA	Water	I-3765-85	
310-313751-9	MW-28_25_08	Total/NA	Water	I-3765-85	
310-313751-10	MW-30_25_08	Total/NA	Water	I-3765-85	
310-313751-11	MW-31_25_08	Total/NA	Water	I-3765-85	
310-313751-14	MW-102B_25_08	Total/NA	Water	I-3765-85	
310-313751-15	MW-106A_25_08	Total/NA	Water	I-3765-85	
310-313751-16	MW-107A_25_08	Total/NA	Water	I-3765-85	
310-313751-17	MW-107B_25_08	Total/NA	Water	I-3765-85	
310-313751-18	MW-108B_25_08	Total/NA	Water	I-3765-85	
310-313751-19	FD-2_25_08	Total/NA	Water	I-3765-85	
310-313751-20	FD-5_25_08	Total/NA	Water	I-3765-85	

General Chemistry (Continued)

Analysis Batch: 464371 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-464371/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-464371/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-313751-15 DU	MW-106A_25_08	Total/NA	Water	I-3765-85	

Analysis Batch: 464473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-5	MW-20_25_08	Total/NA	Water	I-3765-85	
MB 310-464473/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-464473/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-313737-B-1 DU	Duplicate	Total/NA	Water	I-3765-85	

Prep Batch: 464489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-12	MW-35_25_08	Total/NA	Water	9012B	
310-313751-13	MW-36_25_08	Total/NA	Water	9012B	
310-313751-19	FD-2_25_08	Total/NA	Water	9012B	
310-313751-21	FB-2_25_08	Total/NA	Water	9012B	
MB 310-464489/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-464489/2-A	Lab Control Sample	Total/NA	Water	9012B	
310-313751-12 MS	MW-35_25_08	Total/NA	Water	9012B	
310-313751-12 MSD	MW-35_25_08	Total/NA	Water	9012B	

Analysis Batch: 464501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	I-3765-85	
310-313751-2	MW--17_25_08	Total/NA	Water	I-3765-85	
310-313751-3	MW-18_25_08	Total/NA	Water	I-3765-85	
310-313751-12	MW-35_25_08	Total/NA	Water	I-3765-85	
310-313751-13	MW-36_25_08	Total/NA	Water	I-3765-85	
310-313751-21	FB-2_25_08	Total/NA	Water	I-3765-85	
MB 310-464501/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-464501/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-313760-B-2 DU	Duplicate	Total/NA	Water	I-3765-85	

Analysis Batch: 464563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	9012B	464315
310-313751-2	MW--17_25_08	Total/NA	Water	9012B	464315
310-313751-3	MW-18_25_08	Total/NA	Water	9012B	464315
310-313751-4	MW-19_25_08	Total/NA	Water	9012B	464315
310-313751-5	MW-20_25_08	Total/NA	Water	9012B	464315
310-313751-6	MW-24_25_08	Total/NA	Water	9012B	464315
310-313751-7	MW-25_25_08	Total/NA	Water	9012B	464315
310-313751-9	MW-28_25_08	Total/NA	Water	9012B	464315
310-313751-10	MW-30_25_08	Total/NA	Water	9012B	464315
310-313751-12	MW-35_25_08	Total/NA	Water	9012B	464489
310-313751-13	MW-36_25_08	Total/NA	Water	9012B	464489
310-313751-19	FD-2_25_08	Total/NA	Water	9012B	464489
310-313751-21	FB-2_25_08	Total/NA	Water	9012B	464489
MB 310-464315/1-A	Method Blank	Total/NA	Water	9012B	464315
MB 310-464489/1-A	Method Blank	Total/NA	Water	9012B	464489

General Chemistry (Continued)

Analysis Batch: 464563 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-464315/2-A	Lab Control Sample	Total/NA	Water	9012B	464315
LCS 310-464489/2-A	Lab Control Sample	Total/NA	Water	9012B	464489
310-313751-12 MS	MW-35_25_08	Total/NA	Water	9012B	464489
310-313751-12 MSD	MW-35_25_08	Total/NA	Water	9012B	464489
310-313760-B-1-B MS	Matrix Spike	Total/NA	Water	9012B	464315
310-313760-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	464315

Prep Batch: 831331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	9030B	
310-313751-2	MW--17_25_08	Total/NA	Water	9030B	
310-313751-6	MW-24_25_08	Total/NA	Water	9030B	
310-313751-7	MW-25_25_08	Total/NA	Water	9030B	
310-313751-9	MW-28_25_08	Total/NA	Water	9030B	
310-313751-10	MW-30_25_08	Total/NA	Water	9030B	
310-313751-19	FD-2_25_08	Total/NA	Water	9030B	
MB 500-831331/1-A	Method Blank	Total/NA	Water	9030B	
LCS 500-831331/2-A	Lab Control Sample	Total/NA	Water	9030B	
310-313751-7 MS	MW-25_25_08	Total/NA	Water	9030B	
310-313751-7 MSD	MW-25_25_08	Total/NA	Water	9030B	

Analysis Batch: 831333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-1	AW-4_25_08	Total/NA	Water	9034	831331
310-313751-2	MW--17_25_08	Total/NA	Water	9034	831331
310-313751-6	MW-24_25_08	Total/NA	Water	9034	831331
310-313751-7	MW-25_25_08	Total/NA	Water	9034	831331
310-313751-9	MW-28_25_08	Total/NA	Water	9034	831331
310-313751-10	MW-30_25_08	Total/NA	Water	9034	831331
310-313751-19	FD-2_25_08	Total/NA	Water	9034	831331
MB 500-831331/1-A	Method Blank	Total/NA	Water	9034	831331
LCS 500-831331/2-A	Lab Control Sample	Total/NA	Water	9034	831331
310-313751-7 MS	MW-25_25_08	Total/NA	Water	9034	831331
310-313751-7 MSD	MW-25_25_08	Total/NA	Water	9034	831331

Prep Batch: 831454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-3	MW-18_25_08	Total/NA	Water	9030B	
310-313751-4	MW-19_25_08	Total/NA	Water	9030B	
310-313751-5	MW-20_25_08	Total/NA	Water	9030B	
310-313751-12	MW-35_25_08	Total/NA	Water	9030B	
310-313751-13	MW-36_25_08	Total/NA	Water	9030B	
310-313751-21	FB-2_25_08	Total/NA	Water	9030B	
MB 500-831454/1-A	Method Blank	Total/NA	Water	9030B	
LCS 500-831454/2-A	Lab Control Sample	Total/NA	Water	9030B	
310-313751-21 MS	FB-2_25_08	Total/NA	Water	9030B	
310-313751-21 MSD	FB-2_25_08	Total/NA	Water	9030B	

Analysis Batch: 831455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-3	MW-18_25_08	Total/NA	Water	9034	831454

General Chemistry (Continued)

Analysis Batch: 831455 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-313751-4	MW-19_25_08	Total/NA	Water	9034	831454
310-313751-5	MW-20_25_08	Total/NA	Water	9034	831454
310-313751-12	MW-35_25_08	Total/NA	Water	9034	831454
310-313751-13	MW-36_25_08	Total/NA	Water	9034	831454
310-313751-21	FB-2_25_08	Total/NA	Water	9034	831454
MB 500-831454/1-A	Method Blank	Total/NA	Water	9034	831454
LCS 500-831454/2-A	Lab Control Sample	Total/NA	Water	9034	831454
310-313751-21 MS	FB-2_25_08	Total/NA	Water	9034	831454
310-313751-21 MSD	FB-2_25_08	Total/NA	Water	9034	831454

Client Sample ID: AW-4_25_08

Lab Sample ID: 310-313751-1

Date Collected: 08/19/25 16:20

Matrix: Water

Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 13:45
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/29/25 21:03
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/05/25 02:53
Total/NA	Analysis	8015C		1	464452	BW2O	EET CF	08/22/25 11:29
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8081B		1	465299	BW2O	EET CF	09/02/25 13:18
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8082A		1	465301	BW2O	EET CF	09/02/25 13:18
Total/NA	Prep	8151A			831295	FRG	EET CHI	08/25/25 07:17
Total/NA	Analysis	8151A		1	831443	H7CM	EET CHI	08/25/25 19:55
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 12:24
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 10:43
Total/NA	Prep	9012B			464315	ENB7	EET CF	08/21/25 11:14
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 19:27
Total/NA	Prep	9030B			831331	CLB	EET CHI	08/24/25 18:05 - 08/24/25 18:08 [1]
Total/NA	Analysis	9034		1	831333	CLB	EET CHI	08/25/25 02:00 - 08/25/25 02:09 [1]
Total/NA	Analysis	I-3765-85		1	464501	WZC8	EET CF	08/22/25 11:28

Client Sample ID: MW--17_25_08

Lab Sample ID: 310-313751-2

Date Collected: 08/19/25 10:35

Matrix: Water

Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 14:08
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/29/25 21:30
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/05/25 03:19
Total/NA	Analysis	8015C		1	464452	BW2O	EET CF	08/22/25 11:50
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8081B		1	465299	BW2O	EET CF	09/02/25 15:31
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8082A		1	465301	BW2O	EET CF	09/02/25 15:31
Total/NA	Prep	8151A			831295	FRG	EET CHI	08/25/25 07:17
Total/NA	Analysis	8151A		1	831443	H7CM	EET CHI	08/25/25 20:31
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 12:32
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 09:50

Client Sample ID: MW--17_25_08

Lab Sample ID: 310-313751-2

Date Collected: 08/19/25 10:35

Matrix: Water

Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	9012B			464315	ENB7	EET CF	08/21/25 11:14
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 19:27
Total/NA	Prep	9030B			831331	CLB	EET CHI	08/24/25 18:08 - 08/24/25 18:10 [1]
Total/NA	Analysis	9034		1	831333	CLB	EET CHI	08/25/25 02:09 - 08/25/25 02:17 [1]
Total/NA	Analysis	I-3765-85		1	464501	WZC8	EET CF	08/22/25 11:28

Client Sample ID: MW-18_25_08

Lab Sample ID: 310-313751-3

Date Collected: 08/19/25 09:45

Matrix: Water

Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 14:31
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/29/25 21:56
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/05/25 03:45
Total/NA	Analysis	8015C		1	464452	BW2O	EET CF	08/22/25 12:11
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8081B		1	465299	BW2O	EET CF	09/02/25 15:44
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8082A		1	465301	BW2O	EET CF	09/02/25 15:44
Total/NA	Prep	8151A			831295	FRG	EET CHI	08/25/25 07:17
Total/NA	Analysis	8151A		1	831443	H7CM	EET CHI	08/25/25 20:49
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 12:35
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 09:56
Total/NA	Prep	9012B			464315	ENB7	EET CF	08/21/25 11:14
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 19:28
Total/NA	Prep	9030B			831454	CLB	EET CHI	08/25/25 18:05 - 08/25/25 18:08 [1]
Total/NA	Analysis	9034		1	831455	CLB	EET CHI	08/26/25 04:30 - 08/26/25 04:39 [1]
Total/NA	Analysis	I-3765-85		1	464501	WZC8	EET CF	08/22/25 11:28

Client Sample ID: MW-19_25_08

Lab Sample ID: 310-313751-4

Date Collected: 08/19/25 10:45

Matrix: Water

Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 14:54
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/29/25 22:22
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/05/25 04:11
Total/NA	Analysis	8015C		1	464452	BW2O	EET CF	08/22/25 12:31

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-19_25_08

Lab Sample ID: 310-313751-4

Date Collected: 08/19/25 10:45
Date Received: 08/20/25 16:15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8081B		1	465299	BW2O	EET CF	09/02/25 15:56
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8082A		1	465301	BW2O	EET CF	09/02/25 15:56
Total/NA	Prep	8151A			831295	FRG	EET CHI	08/25/25 07:17
Total/NA	Analysis	8151A		1	831443	H7CM	EET CHI	08/25/25 21:07
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 12:38
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 09:59
Total/NA	Prep	9012B			464315	ENB7	EET CF	08/21/25 11:14
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 19:30
Total/NA	Prep	9030B			831454	CLB	EET CHI	08/25/25 18:08 - 08/25/25 18:10 [1]
Total/NA	Analysis	9034		1	831455	CLB	EET CHI	08/26/25 04:39 - 08/26/25 04:48 [1]
Total/NA	Analysis	I-3765-85		1	464371	DGU1	EET CF	08/21/25 12:35

Client Sample ID: MW-20_25_08

Lab Sample ID: 310-313751-5

Date Collected: 08/19/25 14:05
Date Received: 08/20/25 16:15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 15:17
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/29/25 22:48
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/05/25 04:38
Total/NA	Analysis	8015C		1	464452	BW2O	EET CF	08/22/25 12:51
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8081B		1	465299	BW2O	EET CF	09/02/25 16:09
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8082A		1	465301	BW2O	EET CF	09/02/25 16:09
Total/NA	Prep	8151A			831295	FRG	EET CHI	08/25/25 07:17
Total/NA	Analysis	8151A		1	831443	H7CM	EET CHI	08/25/25 21:25
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 12:41
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 10:01
Total/NA	Prep	9012B			464315	ENB7	EET CF	08/21/25 11:14
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 19:31
Total/NA	Prep	9030B			831454	CLB	EET CHI	08/25/25 18:10 - 08/25/25 18:13 [1]
Total/NA	Analysis	9034		1	831455	CLB	EET CHI	08/26/25 04:48 - 08/26/25 04:57 [1]
Total/NA	Analysis	I-3765-85		1	464473	WZC8	EET CF	08/22/25 09:57

Client Sample ID: MW-24_25_08

Lab Sample ID: 310-313751-6

Date Collected: 08/18/25 11:00

Matrix: Water

Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 15:39
Total/NA	Prep	3510C			464458	J5BR	EET CF	08/22/25 08:55
Total/NA	Analysis	8270E		1	464999	V7YZ	EET CF	08/29/25 02:42
Total/NA	Analysis	8015C		1	464452	BW2O	EET CF	08/22/25 13:10
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8081B		1	465299	BW2O	EET CF	09/02/25 16:22
Total/NA	Prep	3511			464511	BW2O	EET CF	08/22/25 12:03
Total/NA	Analysis	8082A		1	464853	BW2O	EET CF	08/27/25 10:55
Total/NA	Prep	8151A			831295	FRG	EET CHI	08/25/25 07:17
Total/NA	Analysis	8151A		1	831443	H7CM	EET CHI	08/25/25 21:42
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 12:44
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 10:07
Total/NA	Prep	9012B			464315	ENB7	EET CF	08/21/25 11:14
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 19:31
Total/NA	Prep	9030B			831331	CLB	EET CHI	08/24/25 18:10 - 08/24/25 18:13 [1]
Total/NA	Analysis	9034		1	831333	CLB	EET CHI	08/25/25 02:17 - 08/25/25 02:26 [1]
Total/NA	Analysis	I-3765-85		1	464371	DGU1	EET CF	08/21/25 12:35

Client Sample ID: MW-25_25_08

Lab Sample ID: 310-313751-7

Date Collected: 08/18/25 11:50

Matrix: Water

Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 16:02
Total/NA	Prep	3510C			464458	J5BR	EET CF	08/22/25 08:55
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/29/25 17:33
Total/NA	Prep	3510C			464458	J5BR	EET CF	08/22/25 08:55
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/04/25 23:22
Total/NA	Analysis	8015C		1	464452	BW2O	EET CF	08/22/25 13:30
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8081B		1	465299	BW2O	EET CF	09/02/25 16:35
Total/NA	Prep	3511			464511	BW2O	EET CF	08/22/25 12:03
Total/NA	Analysis	8082A		1	464853	BW2O	EET CF	08/27/25 11:08
Total/NA	Prep	8151A			831295	FRG	EET CHI	08/25/25 07:17
Total/NA	Analysis	8151A		1	831443	H7CM	EET CHI	08/25/25 22:00
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 12:46
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 10:09
Total/NA	Prep	9012B			464315	ENB7	EET CF	08/21/25 11:14
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 19:32

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-25_25_08

Lab Sample ID: 310-313751-7

Date Collected: 08/18/25 11:50
Date Received: 08/20/25 16:15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	9030B			831331	CLB	EET CHI	08/24/25 18:13 - 08/24/25 18:16 [1]
Total/NA	Analysis	9034		1	831333	CLB	EET CHI	08/25/25 02:26 - 08/25/25 02:35 [1]
Total/NA	Analysis	I-3765-85		1	464371	DGU1	EET CF	08/21/25 12:35

Client Sample ID: MW-26_25_08

Lab Sample ID: 310-313751-8

Date Collected: 08/18/25 14:25
Date Received: 08/20/25 16:15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 16:25
Total/NA	Prep	3510C			464458	J5BR	EET CF	08/22/25 08:55
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/04/25 23:48
Total/NA	Prep	3511			464511	BW2O	EET CF	08/22/25 12:03
Total/NA	Analysis	8081B		1	465011	BW2O	EET CF	08/28/25 14:16
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 12:55
Total/NA	Analysis	I-3765-85		1	464371	DGU1	EET CF	08/21/25 12:35

Client Sample ID: MW-28_25_08

Lab Sample ID: 310-313751-9

Date Collected: 08/18/25 12:00
Date Received: 08/20/25 16:15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 16:48
Total/NA	Prep	3510C			464458	J5BR	EET CF	08/22/25 08:55
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/29/25 18:26
Total/NA	Prep	3510C			464458	J5BR	EET CF	08/22/25 08:55
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/05/25 00:15
Total/NA	Analysis	8015C		1	464452	BW2O	EET CF	08/22/25 13:51
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8081B		1	465443	BW2O	EET CF	09/03/25 13:54
Total/NA	Prep	3511			464511	BW2O	EET CF	08/22/25 12:03
Total/NA	Analysis	8082A		1	464853	BW2O	EET CF	08/27/25 11:34
Total/NA	Prep	8151A			831295	FRG	EET CHI	08/25/25 07:17
Total/NA	Analysis	8151A		1	831443	H7CM	EET CHI	08/25/25 22:18
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 12:58
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 10:11
Total/NA	Prep	9012B			464315	ENB7	EET CF	08/21/25 11:14
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 19:32
Total/NA	Prep	9030B			831331	CLB	EET CHI	08/24/25 18:21 - 08/24/25 18:24 [1]
Total/NA	Analysis	9034		1	831333	CLB	EET CHI	08/25/25 02:52 - 08/25/25 03:01 [1]
Total/NA	Analysis	I-3765-85		1	464371	DGU1	EET CF	08/21/25 12:35

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-30_25_08

Lab Sample ID: 310-313751-10

Date Collected: 08/18/25 15:35
Matrix: Water
Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 17:11
Total/NA	Prep	3510C			464458	J5BR	EET CF	08/22/25 08:55
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/29/25 18:52
Total/NA	Prep	3510C			464458	J5BR	EET CF	08/22/25 08:55
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/05/25 00:41
Total/NA	Analysis	8015C		1	464452	BW2O	EET CF	08/22/25 14:12
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8081B		1	465443	BW2O	EET CF	09/03/25 14:07
Total/NA	Prep	3511			464511	BW2O	EET CF	08/22/25 12:03
Total/NA	Analysis	8082A		1	464853	BW2O	EET CF	08/27/25 11:47
Total/NA	Prep	8151A			831295	FRG	EET CHI	08/25/25 07:17
Total/NA	Analysis	8151A		1	831443	H7CM	EET CHI	08/25/25 22:36
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 13:01
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 10:14
Total/NA	Prep	9012B			464315	ENB7	EET CF	08/21/25 11:14
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 19:35
Total/NA	Prep	9030B			831331	CLB	EET CHI	08/24/25 18:24 - 08/24/25 18:27 [1]
Total/NA	Analysis	9034		1	831333	CLB	EET CHI	08/25/25 03:01 - 08/25/25 03:10 [1]
Total/NA	Analysis	I-3765-85		1	464371	DGU1	EET CF	08/21/25 12:35

Client Sample ID: MW-31_25_08

Lab Sample ID: 310-313751-11

Date Collected: 08/18/25 17:10
Matrix: Water
Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 17:33
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 13:04
Total/NA	Analysis	I-3765-85		1	464371	DGU1	EET CF	08/21/25 12:35

Client Sample ID: MW-35_25_08

Lab Sample ID: 310-313751-12

Date Collected: 08/19/25 17:15
Matrix: Water
Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 17:56
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/29/25 23:14
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/05/25 05:04
Total/NA	Analysis	8015C		1	464452	BW2O	EET CF	08/22/25 14:32

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-35_25_08

Date Collected: 08/19/25 17:15
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8081B		1	465443	BW2O	EET CF	09/03/25 14:20
Total/NA	Prep	3511			464511	BW2O	EET CF	08/22/25 12:03
Total/NA	Analysis	8082A		1	464853	BW2O	EET CF	08/27/25 12:00
Total/NA	Prep	8151A			831295	FRG	EET CHI	08/25/25 07:17
Total/NA	Analysis	8151A		1	831443	H7CM	EET CHI	08/25/25 22:54
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 13:09
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 10:24
Total/NA	Prep	9012B			464489	ENB7	EET CF	08/22/25 10:48
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 19:39
Total/NA	Prep	9030B			831454	CLB	EET CHI	08/25/25 18:13 - 08/25/25 18:16 [1]
Total/NA	Analysis	9034		1	831455	CLB	EET CHI	08/26/25 04:57 - 08/26/25 05:06 [1]
Total/NA	Analysis	I-3765-85		1	464501	WZC8	EET CF	08/22/25 11:28

Client Sample ID: MW-36_25_08

Date Collected: 08/19/25 16:25
Date Received: 08/20/25 16:15

Lab Sample ID: 310-313751-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 18:19
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/29/25 23:40
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/05/25 05:30
Total/NA	Analysis	8015C		1	464452	BW2O	EET CF	08/22/25 14:53
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8081B		1	465443	BW2O	EET CF	09/03/25 14:33
Total/NA	Prep	3511			464511	BW2O	EET CF	08/22/25 12:03
Total/NA	Analysis	8082A		1	464853	BW2O	EET CF	08/27/25 12:13
Total/NA	Prep	8151A			831295	FRG	EET CHI	08/25/25 07:17
Total/NA	Analysis	8151A		1	831443	H7CM	EET CHI	08/25/25 23:12
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 13:12
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 10:26
Total/NA	Prep	9012B			464489	ENB7	EET CF	08/22/25 10:48
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 19:40
Total/NA	Prep	9030B			831454	CLB	EET CHI	08/25/25 18:16 - 08/25/25 18:19 [1]
Total/NA	Analysis	9034		1	831455	CLB	EET CHI	08/26/25 05:06 - 08/26/25 05:15 [1]
Total/NA	Analysis	I-3765-85		1	464501	WZC8	EET CF	08/22/25 11:28

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: MW-102B_25_08

Lab Sample ID: 310-313751-14

Date Collected: 08/18/25 14:10
Matrix: Water
Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 18:42
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 13:15
Total/NA	Analysis	I-3765-85		1	464371	DGU1	EET CF	08/21/25 12:35

Client Sample ID: MW-106A_25_08

Lab Sample ID: 310-313751-15

Date Collected: 08/18/25 16:00
Matrix: Water
Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 19:05
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 13:18
Total/NA	Analysis	I-3765-85		1	464371	DGU1	EET CF	08/21/25 12:35

Client Sample ID: MW-107A_25_08

Lab Sample ID: 310-313751-16

Date Collected: 08/18/25 11:40
Matrix: Water
Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 19:27
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 13:21
Total/NA	Analysis	I-3765-85		1	464371	DGU1	EET CF	08/21/25 12:35

Client Sample ID: MW-107B_25_08

Lab Sample ID: 310-313751-17

Date Collected: 08/18/25 11:00
Matrix: Water
Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 19:50
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 13:29
Total/NA	Analysis	I-3765-85		1	464371	DGU1	EET CF	08/21/25 12:35

Client Sample ID: MW-108B_25_08

Lab Sample ID: 310-313751-18

Date Collected: 08/18/25 14:50
Matrix: Water
Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 20:13
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 13:32
Total/NA	Analysis	I-3765-85		1	464371	DGU1	EET CF	08/21/25 12:35

Client Sample ID: FD-2_25_08

Lab Sample ID: 310-313751-19

Date Collected: 08/18/25 00:00

Matrix: Water

Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 20:36
Total/NA	Prep	3510C			464458	J5BR	EET CF	08/22/25 08:55
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/29/25 19:18
Total/NA	Prep	3510C			464458	J5BR	EET CF	08/22/25 08:55
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/05/25 01:07
Total/NA	Analysis	8015C		1	464452	BW2O	EET CF	08/22/25 15:14
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8081B		1	465443	BW2O	EET CF	09/03/25 14:46
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8082A		1	465445	BW2O	EET CF	09/03/25 14:46
Total/NA	Prep	8151A			831295	FRG	EET CHI	08/25/25 07:17
Total/NA	Analysis	8151A		1	831443	H7CM	EET CHI	08/25/25 23:47
Total/NA	Prep	3005A			464413	WK2X	EET CF	08/22/25 09:00
Total/NA	Analysis	6020B		1	464964	NFT2	EET CF	08/27/25 13:35
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 10:33
Total/NA	Prep	9012B			464489	ENB7	EET CF	08/22/25 10:48
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 19:41
Total/NA	Prep	9030B			831331	CLB	EET CHI	08/24/25 18:27 - 08/24/25 18:30 [1]
Total/NA	Analysis	9034		1	831333	CLB	EET CHI	08/25/25 03:10 - 08/25/25 03:19 [1]
Total/NA	Analysis	I-3765-85		1	464371	DGU1	EET CF	08/21/25 12:35

Client Sample ID: FD-5_25_08

Lab Sample ID: 310-313751-20

Date Collected: 08/18/25 00:00

Matrix: Water

Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464356	FE5V	EET CF	08/21/25 20:58
Total/NA	Prep	3005A			464703	QTZ5	EET CF	08/26/25 09:00
Total/NA	Analysis	6020B		1	465005	NFT2	EET CF	08/27/25 15:25
Total/NA	Analysis	I-3765-85		1	464371	DGU1	EET CF	08/21/25 12:35

Client Sample ID: FB-2_25_08

Lab Sample ID: 310-313751-21

Date Collected: 08/19/25 16:25

Matrix: Water

Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464361	FE5V	EET CF	08/22/25 00:45
Total/NA	Analysis	8260D		1	464657	FE5V	EET CF	08/25/25 22:59
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/30/25 00:06
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/05/25 05:56
Total/NA	Analysis	8015C		1	464452	BW2O	EET CF	08/22/25 15:34

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Client Sample ID: FB-2_25_08

Lab Sample ID: 310-313751-21

Date Collected: 08/19/25 16:25
Matrix: Water
Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8081B		1	465443	BW2O	EET CF	09/03/25 14:59
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8082A		1	465445	BW2O	EET CF	09/03/25 14:59
Total/NA	Prep	8151A			831295	FRG	EET CHI	08/25/25 07:17
Total/NA	Analysis	8151A		1	831443	H7CM	EET CHI	08/26/25 00:05
Total/NA	Prep	3005A			464703	QTZ5	EET CF	08/26/25 09:00
Total/NA	Analysis	6020B		1	465005	NFT2	EET CF	08/27/25 15:28
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 10:16
Total/NA	Prep	9012B			464489	ENB7	EET CF	08/22/25 10:48
Total/NA	Analysis	9012B		1	464563	ZJX4	EET CF	08/22/25 19:43
Total/NA	Prep	9030B			831454	CLB	EET CHI	08/25/25 18:19 - 08/25/25 18:21 [1]
Total/NA	Analysis	9034		1	831455	CLB	EET CHI	08/26/25 05:15 - 08/26/25 05:24 [1]
Total/NA	Analysis	I-3765-85		1	464501	WZC8	EET CF	08/22/25 11:28

Client Sample ID: TB-2_25_08

Lab Sample ID: 310-313751-22

Date Collected: 08/19/25 00:00
Matrix: Water
Date Received: 08/20/25 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464361	FE5V	EET CF	08/22/25 01:08

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Accreditation/Certification Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,2,4-Trichlorobenzene
8260D		Water	Allyl chloride
8260D		Water	Ethyl methacrylate
8260D		Water	m,p-Xylene
8260D		Water	o-Xylene

Laboratory: Eurofins Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8151A	8151A	Water	2,4,5-T

Method Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-313751-1
SDG: 25C051.00

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8015C	Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
8151A	Herbicides (GC)	SW846	EET CHI
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
9012B	Cyanide, Total andor Amenable	SW846	EET CF
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	EET CHI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CF
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

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310-313751 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY CR STATE IA Project:

Receipt Information

Date/Time Received: DATE 8.20.25 TIME 1615 Received By PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other._____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID 1

Multiple Coolers? ☒ Yes ☐ No *If yes.* Cooler # 1 of 8

Cooler Custody Seals Present? ☒ Yes ☐ No *If yes·* Cooler custody seals intact? ☒ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes·* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes.* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AH Correction Factor (°C). 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PL/L	
Uncorrected Temp (°C)·	2.3	
Corrected Temp (°C)·	2.3	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes.* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY CR | STATE IA | Project.

Receipt Information

Date/Time Received: DATE 8.20.25 | TIME 1615 | Received By. PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☑ Yes	☐ No	*If yes:* Cooler ID.
Multiple Coolers?	☑ Yes	☐ No	*If yes:* Cooler # 2 of 8
Cooler Custody Seals Present?	☑ Yes	☐ No	*If yes:* Cooler custody seals intact? ☑ Yes ☐ No
Sample Custody Seals Present?	☐ Yes	☑ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☑ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID AA | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PL/L	
Uncorrected Temp (°C):	3.9	
Corrected Temp (°C):	3.9	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY CR | STATE IA | Project:

Receipt Information

Date/Time Received: DATE 8.20.25 | TIME 1615 | Received By PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No *If yes:* Cooler ID

Multiple Coolers? ☑ Yes ☐ No *If yes:* Cooler # 3 of 8

Cooler Custody Seals Present? ☑ Yes ☐ No *If yes:* Cooler custody seals intact? ☑ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☑ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other _____ ☐ NONE

Thermometer ID: A# | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PL/L	
Uncorrected Temp (°C):	2.1	
Corrected Temp (°C):	2.1	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY CR | STATE IA | Project

Receipt Information

Date/Time Received: DATE 8.20.25 | TIME 1615 | Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☑ Yes ☐ No	*If yes:* Cooler ID
Multiple Coolers?	☑ Yes ☐ No	*If yes:* Cooler # 4 of 8
Cooler Custody Seals Present?	☑ Yes ☐ No	*If yes:* Cooler custody seals intact? ☑ Yes ☐ No
Sample Custody Seals Present?	☐ Yes ☑ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes ☑ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID. AA | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PL/L	
Uncorrected Temp (°C):	2.6	
Corrected Temp (°C):	2.6	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY: CR | STATE: IA | Project:

Receipt Information

Date/Time Received: DATE: 8.20.25 | TIME: 1615 | Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes* Cooler ID: 5

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 5 of 8

Cooler Custody Seals Present? ☒ Yes ☐ No *If yes* Cooler custody seals intact? ☒ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AF | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

• **Sample Container Temperature**

Container(s) used:	CONTAINER 1: RL/L	CONTAINER 2:
Uncorrected Temp (°C):	1.6	
Corrected Temp (°C):	1.6	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY CR STATE IA | Project:

Receipt Information

Date/Time Received: DATE 8.20.25 TIME 1615 | Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID

Multiple Coolers? ☒ Yes ☐ No *If yes.* Cooler # 6 of 8

Cooler Custody Seals Present? ☒ Yes ☐ No *If yes:* Cooler custody seals intact? ☒ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID. AA | Correction Factor (°C). 0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used.	PL 500 2A	
Uncorrected Temp (°C).	5.9	
Corrected Temp (°C):	5.9	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY: CR | STATE: IA | Project:

Receipt Information

Date/Time Received: DATE: 8.20.25 | TIME: 1615 | Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No — *If yes:* Cooler ID.

Multiple Coolers? ☑ Yes ☐ No — *If yes.* Cooler # 1 of 8

Cooler Custody Seals Present? ☑ Yes ☐ No — *If yes:* Cooler custody seals intact? ☑ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No — *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☑ No — *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AA | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C):	Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PL IL	
Uncorrected Temp (°C).	3.9	
Corrected Temp (°C):	3.9	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY CR | STATE IA | Project:

Receipt Information

Date/Time Received: DATE 8.20.25 | TIME 1615 | Received By PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No *If yes:* Cooler ID 4

Multiple Coolers? ☑ Yes ☐ No *If yes:* Cooler # 4 of 8

Cooler Custody Seals Present? ☑ Yes ☐ No *If yes:* Cooler custody seals intact? ☑ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☑ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

35 & 36

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID AF | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used	PL/L	
Uncorrected Temp (°C):	3.3	
Corrected Temp (°C):	3.3	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 1 of 5 **COC Number:** 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz Tyler Merritt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE (G = Grab C = Composite)	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: Appendix II List	TSS	Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Filtered (Y/N)	REMARKS / Lab ID
1	AW-1_25_08	AW-1	WG	G											X	X								
2	AW-2_25_08	AW-2	WG	G											X	X								
3	AW-3_25_08	AW-3	WG	G											X	X								
4	AW-4_25_08	AW-4	WG	G	8/9/25	16:20	2	5	9		1	3	2		X	X								
5	AW-5_25_08	AW-5	WG	G											X	X								
6	AW-6_25_08	AW-6	WG	G											X	X								
7	CRL-9_25_08	CRL-9	WG	G											X	X								
8	MW-11_25_08	MW-11	WG	G											X	X								
9	MW-12_25_08	MW-12	WG	G											X	X								
10	MW-13_25_08	MW-13	WG	G											X	X								
11	MW-14_25_08	MW-14	WG	G											X	X								
12	MW-15_25_08	MW-15	WG	G											X	X								

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
									8/20/25	1015

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Additional Comments:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt DATE Signed: 8/20

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 5

COC Number: 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz Tyler Merritt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE (G = Grab C = Composite)	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix II List	TSS	IA Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Filtered (Y/N)	REMARKS / Lab ID
25	MW-30_25_08	MW-30	WG	G	8/18/25	15:35	5	A		1	3	2			X	X								
26	MW-31_25_08	MW-31	WG	G	8/18	17:10	8	4		1	3					X	X							
27	MW-32_25_08	MW-32	WG	G											X	X								
28	MW-33_25_08	MW-33	WG	G											X	X								
29	MW-34_25_08	MW-34	WG	G											X	X								
30	MW-35_25_08	MW-35	WG	G	8/19/25	17:15	5	A		1	3	2			X	X								
31	MW-36_25_08	MW-36	WG	G	8/19/25	16:25	5	A		1	3	2			X	X								
32	MW-37_25_08	MW-37	WG	G											X	X								
33	MW-38_25_08	MW-38	WG	G											X	X								
34	VP-3_25_08	VP-3	WG	G											X	X								
35	VP-4_25_08	VP-4	WG	G											X	X								
36	MW-101A_25_08	MW-101A	WG	G											X	X								

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
									8/20/25	1615

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER:

DATE Signed: 8/20/25

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 of 5

COC Number: 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz Tyler Merritt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix II List	TSS	IA Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Arsenic	Filtered (Y/N)	REMARKS / Lab ID
37	MW-101B_25_08	MW-101B	WG	G											X	X									
38	MW-102B_25_08	MW-102B	WG	G	8/18/25	14:10	8	4			1	3				X	X								
39	MW-104B_25_08	MW-104B	WG	G												X							X		
40	MW-105A_25_08	MW-105A	WG	G												X	X								
41	MW-105B_25_08	MW-105B	WG	G												X	X								
42	MW-106A_25_08	MW-106A	WG	G	8/18	16:00	8	4			1	3				X	X								
43	MW-107A_25_08	MW-107A	WG	G	8/18	11:40	8	4			1	3				X	X								
44	MW-107B_25_08	MW-107B	WG	G	8/18	11:00	8	4			1	3				X	X								
45	MW-108B_25_08	MW-108B	WG	G	8/18	14:50	8	4			1	3				X	X								Do Not Analyze Cobalt
46	MW-109A_25_08	MW-109A	WG	G												X	X								
47	MW-109B_25_08	MW-109B	WG	G												X	X								
48	FD-1_25_08		WG	G											X	X									

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
									8-20-25	1615

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt

DATE Signed: 8/20/25

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 5 **of** 5 | **COC Number:** 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix II List	TSS	IA Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Arsenic	Appendix II VOCs	Filtered (Y/N)	REMARKS / Lab ID
49	FD-2_25_08		WG	G	8/18/25	—	25	A		1	3	2			X	X										
50	FD-3_25_08		WG	G											X	X										
51	FD-4_25_08		WG	G											X	X										
52	FD-5_25_08		WG	G	8/18	—	8	4		1	3					X	X									
53	FB-1_25_08	FB-1	WQ	G											X	X										
54	FB-2_25_08	FB-2	WQ	G	8/19/25	16:25	25	A		1	3	2			X	X										
55	FB-3_25_08	FB-3	WQ	G											X	X										
56	TB-1_25_08	Trip Blank	WQ	G																				X		
57	TB-2_25_08	Trip Blank	WQ	G	—	—	4	2			2													X		
58	TB-3_25_08	Trip Blank	WQ	G																				X		
59	TB-4_25_08	Trip Blank	WQ	G																				X		
60	TB-5_25_08	Trip Blank	WQ	G																				X		

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
									8/20/25	1615

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Additional Comments:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt

DATE Signed: 8/20/25

9/8/2025

eurofins | Environment Testing America

310-313751 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY CR STATE IA Project:

Receipt Information

Date/Time Received: DATE 8.20.25 TIME 1615 Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes* Cooler ID 1
Multiple Coolers?	☒ Yes	☐ No	*If yes.* Cooler # 1 of 8
Cooler Custody Seals Present?	☒ Yes	☐ No	*If yes* Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present?	☐ Yes	☒ No	*If yes* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AA Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PL/L	
Uncorrected Temp (°C):	2.3	
Corrected Temp (°C)	2.3	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY CR | STATE IA | Project

Receipt Information

Date/Time Received: DATE 8.20.25 | TIME 1615 | Received By PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 2 of 8

Cooler Custody Seals Present? ☒ Yes ☐ No *If yes:* Cooler custody seals intact? ☒ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AA | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used.	PL/L	
Uncorrected Temp (°C):	3.9	
Corrected Temp (°C):	3.9	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY: CR | STATE: IA | Project:

Receipt Information

Date/Time Received: DATE: 8.20.25 | TIME: 1615 | Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other._____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No *If yes* Cooler ID.

Multiple Coolers? ☑ Yes ☐ No *If yes:* Cooler # 3 of 8

Cooler Custody Seals Present? ☑ Yes ☐ No *If yes* Cooler custody seals intact? ☑ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☑ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AA | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PL/L	
Uncorrected Temp (°C):	2.1	
Corrected Temp (°C):	2.1	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY CR | STATE IA | Project

Receipt Information

Date/Time Received: DATE 8.20.25 | TIME 1615 | Received By PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID.

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 4 of 8

Cooler Custody Seals Present? ☒ Yes ☐ No *If yes:* Cooler custody seals intact? ☒ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: AA | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PL/L	
Uncorrected Temp (°C).	2.6	
Corrected Temp (°C):	2.6	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE. If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY: CR | STATE: IA | Project:

Receipt Information

Date/Time Received: DATE: 8.20.25 | TIME: 1615 | Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other._____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID 5

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 5 of 8

Cooler Custody Seals Present? ☒ Yes ☐ No *If yes* Cooler custody seals intact? ☒ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AA | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	RL/L	
Uncorrected Temp (°C)	1.6	
Corrected Temp (°C):	1.6	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Fath

City/State: CITY CR STATE IA | Project:

Receipt Information

Date/Time Received: DATE 8.20.25 TIME 1615 | Received By PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No *If yes* Cooler ID:

Multiple Coolers? ☑ Yes ☐ No *If yes:* Cooler # 6 of 8

Cooler Custody Seals Present? ☑ Yes ☐ No *If yes* Cooler custody seals intact? ☑ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No *If yes.* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☑ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID AA | Correction Factor (°C). 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PL 60c 24	
Uncorrected Temp (°C)	5.9	
Corrected Temp (°C)	5.9	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY CR STATE IA Project:

Receipt Information

Date/Time Received. DATE 8.20.25 TIME 1615 Received By. PH

Delivery Type. ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No *If yes:* Cooler ID.

Multiple Coolers? ☑ Yes ☐ No *If yes:* Cooler # 1 of 8

Cooler Custody Seals Present? ☑ Yes ☐ No *If yes:* Cooler custody seals intact? ☑ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☑ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID. AA Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C):	Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used.	PL IL	
Uncorrected Temp (°C):	3.9	
Corrected Temp (°C):	3.9	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY CR | STATE IA | Project:

Receipt Information

Date/Time Received: DATE 8.20.25 | TIME 1615 | Received By PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other._____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No *If yes:* Cooler ID. 4

Multiple Coolers? ☑ Yes ☐ No *If yes:* Cooler # 4 of 8

Cooler Custody Seals Present? ☑ Yes ☐ No *If yes:* Cooler custody seals intact? ☑ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☑ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

35 & 36

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: A # | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used	PL/L	
Uncorrected Temp (°C):	3.3	
Corrected Temp (°C):	3.3	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 **of** 5

COC Number: 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz Tyler Merritt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: Appendix II List	TSS	IA Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Filtered (Y/N)	REMARKS / Lab ID
1	AW-1_25_08	AW-1	WG	G											X	X								
2	AW-2_25_08	AW-2	WG	G											X	X								
3	AW-3_25_08	AW-3	WG	G											X	X								
4	AW-4_25_08	AW-4	WG	G	8/19/25	16:20	25	A		1	3	2			X	X								
5	AW-5_25_08	AW-5	WG	G											X	X								
6	AW-6_25_08	AW-6	WG	G											X	X								
7	CRL-9_25_08	CRL-9	WG	G											X	X								
8	MW-11_25_08	MW-11	WG	G											X	X								
9	MW-12_25_08	MW-12	WG	G											X	X								
10	MW-13_25_08	MW-13	WG	G											X	X								
11	MW-14_25_08	MW-14	WG	G											X	X								
12	MW-15_25_08	MW-15	WG	G											X	X								

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
									8/20/25	1615

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt DATE Signed: 8/20

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 5 | **COC Number:** 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To. Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To. Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz Tyler Merritt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix II List	TSS	IA Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Filtered (Y/N)	REMARKS / Lab ID
13	MW-16_25_08	MW-16	WG	G											X	X								
14	MW-17_25_08	MW-17	WG	G	8/19/25	10:35	3	A		1	3	2			X	X								
15	MW-18_25_08	MW-18	WG	G	8/19	9:45	3	A		1	3	2			X	X								
16	MW-19_25_08	MW-19	WG	G	8/19	10:45	3	A		1	3	2			X	X								
17	MW-20_25_08	MW-20	WG	G	8/19	14:05	3	A		1	3	2			X	X								
18	MW-21_25_08	MW-21	WG	G											X	X								
19	MW-22_25_08	MW-22	WG	G											X	X								
20	MW-23_25_08	MW-23	WG	G											X	X								
21	MW-24_25_08	MW-24	WG	G	8/18/25	11:00	3	A		1	3	2			X	X								
22	MW-25_25_08	MW-25	WG	G	8/18/25	11:50	3	A		1	3	2			X	X								
23	MW-26_25_08	MW-26	WG	G	8/18	14:25	15	10		1	3	1				X	X	X	X	X		X		
24	MW-28_25_08	MW-28	WG	G	8/18	12:00	3	A		1	3	2			X	X								

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
									8-20-25	1615

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt

DATE Signed: 8/20/25

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 5

COC Number: 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz Tyler Merritt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix II List	TSS	IA Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Filtered (Y/N)	REMARKS / Lab ID
25	MW-30_25_08	MW-30	WG	G	8/18/25	15:35	6	A		1	3	2			X	X								
26	MW-31_25_08	MW-31	WG	G	8/18	17:10	8	4		1	3					X	X							
27	MW-32_25_08	MW-32	WG	G											X	X								
28	MW-33_25_08	MW-33	WG	G											X	X								
29	MW-34_25_08	MW-34	WG	G											X	X								
30	MW-35_25_08	MW-35	WG	G	8/19/25	17:15	6	A		1	3	2			X	X								
31	MW-36_25_08	MW-36	WG	G	8/19/25	16:25	6	A		1	3	2			X	X								
32	MW-37_25_08	MW-37	WG	G											X	X								
33	MW-38_25_08	MW-38	WG	G											X	X								
34	VP-3_25_08	VP-3	WG	G											X	X								
35	VP-4_25_08	VP-4	WG	G											X	X								
36	MW-101A_25_08	MW-101A	WG	G											X	X								

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
									8/20/25	1615

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt

DATE Signed: 8/20/25

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 4 of 5

COC Number: 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To. Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To.	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz Tyler Merritt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix II List	TSS	IA Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Arsenic	Filtered (Y/N)	REMARKS / Lab ID
															N	N	N	N	N	N	N	N	N		
37	MW-101B_25_08	MW-101B	WG	G											X	X									
38	MW-102B_25_08	MW-102B	WG	G	8/18/25	14:10	8	4		1	3					X	X								
39	MW-104B_25_08	MW-104B	WG	G												X							X		
40	MW-105A_25_08	MW-105A	WG	G												X	X								
41	MW-105B_25_08	MW-105B	WG	G												X	X								
42	MW-106A_25_08	MW-106A	WG	G	8/18	16:00	8	4		1	3					X	X								
43	MW-107A_25_08	MW-107A	WG	G	8/18	11:40	8	4		1	3					X	X								
44	MW-107B_25_08	MW-107B	WG	G	8/18	11:00	8	4		1	3					X	X								
45	MW-108B_25_08	MW-108B	WG	G	8/18	14:50	8	4		1	3					X	X								Do Not Analyze Cobalt
46	MW-109A_25_08	MW-109A	WG	G												X	X								
47	MW-109B_25_08	MW-109B	WG	G												X	X								
48	FD-1_25_08		WG	G											X	X									

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
									8-20-25	4:15

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt

DATE Signed: 8/20/25

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 5 **of** 5 | **COC Number:** 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix II List	TSS	IA Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Arsenic	Appendix II VOCs	Filtered (Y/N)	REMARKS / Lab ID
49	FD-2_25_08		WG	G	8/18/25	—	25	A		1	3	2			X	X										
50	FD-3_25_08		WG	G											X	X										
51	FD-4_25_08		WG	G											X	X										
52	FD-5_25_08		WG	G	8/18	—	8	4		1	3					X	X									
53	FB-1_25_08	FB-1	WQ	G											X	X										
54	FB-2_25_08	FB-2	WQ	G	8/9/25	16:25	25	A		1	3	2			X	X										
55	FB-3_25_08	FB-3	WQ	G											X	X										
56	TB-1_25_08	Trip Blank	WQ	G																				X		
57	TB-2_25_08	Trip Blank	WQ	G	—	—	4	2			2													X		
58	TB-3_25_08	Trip Blank	WQ	G																				X		
59	TB-4_25_08	Trip Blank	WQ	G																				X		
60	TB-5_25_08	Trip Blank	WQ	G																				X		

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
								[illegible]	8/20/25	1615

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Additional Comments:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt

DATE Signed: 8/20/25

Page 213 of 217

9/8/2025

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613
Phone 319-277-2401 Fax 319-277-2425

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun Conner M	Carrier Tracking No(s): N/A	COC No: 310-86132 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et eurofinsus com	State of Origin: Iowa	Page: Page 1 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State Program - Iowa		Job #: 310-313751-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 9/3/2025			
City: Tinley Park	TAT Requested (days): N/A			
State, Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CRLCSWA Site 1	Project #: 31009776			
Site: N/A	SSOW#: N/A			

310-313751 COC

Analysis Requested

Preservation Codes

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc/9030BSulfide, Acid soluble and Insoluble (Tit	8151A/8151A_AP_LVI(MOD) Appendix II	Total Number of containers	Special Instructions/Note.
			Preservation Code							
AW-4_25_08 (310-313751-1)	8/19/25	16 20 Central	G	Water			X	X	3	
MW--17_25_08 (310-313751-2)	8/19/25	10 35 Central	G	Water			X	X	3	
MW-18_25_08 (310-313751-3)	8/19/25	09 45 Central	G	Water			X	X	3	
MW-19_25_08 (310-313751-4)	8/19/25	10 45 Central	G	Water			X	X	3	
MW-20_25_08 (310-313751-5)	8/19/25	14 05 Central	G	Water			X	X	3	
MW-24_25_08 (310-313751-6)	8/18/25	11 00 Central	G	Water			X	X	3	
MW-25_25_08 (310-313751-7)	8/18/25	11 50 Central	G	Water			X	X	3	
MW-28_25_08 (310-313751-9)	8/18/25	12 00 Central	G	Water			X	X	3	
MW-30_25_08 (310-313751-10)	8/18/25	15 35 Central	G	Water			X	X	3	

Note. Since laboratory accreditations are subject to change Eurofins Environment Testing North Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central LLC

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
		8/21/25 1405			8/22/25 0900	
	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2.3-7/5, 1.3-7/1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax 319-277-2425

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-86132 2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et eurofinsus com	State of Origin: Iowa	Page: Page 2 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State Program - Iowa		Job #: 310-313751-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 9/3/2025			
City: Tinley Park	TAT Requested (days): N/A			
State Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CRLCSWA Site 1	Project #: 31009776			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc/9030BSulfide, Acid soluble and Insoluble (Tit	8151A/8151A_AP_LVI(MOD) Appendix II	Total Number of containers	Special Instructions/Note:
			Preservation Code							
MW-35_25_08 (310-313751-12)	8/19/25	17 15 Central	G	Water			X	X	3	
MW-36_25_08 (310-313751-13)	8/19/25	16 25 Central	G	Water			X	X	3	
FD-2_25_08 (310-313751-19)	8/18/25	Central	G	Water			X	X	3	
FB-2_25_08 (310-313751-21)	8/19/25	16 25 Central	G	Water			X	X	3	

Note Since laboratory accreditations are subject to change Eurofins Environment Testing North Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	8/21/25 1405		[signature]	8/22/25 0900	
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.
Δ Yes Δ No		

Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-313751-1
SDG Number: 25C051.00

Login Number: 313751
List Number: 1
Creator: Calhoun, Conner M

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-313751-1
SDG Number: 25C051.00

Login Number: 313751
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 08/22/25 02:31 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5,1.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

ANALYTICAL REPORT

PREPARED FOR

Attn: Gina Wilming
Foth Infrastructure & Environment, LLC
411 6th Avenue SE
Suite 400
Cedar Rapids, Iowa 52401

Generated 9/8/2025 2:15:16 PM

JOB DESCRIPTION

CRLCSWA Site 1
25C051_25_08

JOB NUMBER

310-314023-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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9/8/2025 2:15:16 PM

Authorized for release by
Conner Calhoun, Client Service Manager
Conner.Calhoun@et.eurofinsus.com
(319)277-2401

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Job Narrative
310-314023-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/22/2025 1:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.3°C, 0.8°C, 1.1°C, 1.4°C, 1.4°C and 1.8°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for preparation batch 310-464848 and analytical batch 310-465678 recovered outside control limits for the following analyte(s): 1,4-phenylenediamine. 1,4-phenylenediamine have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The laboratory control sample (LCS) for preparation batch 310-464848 and analytical batch 310-465678 recovered outside control limits for the following analytes: Famphur and Kepone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The laboratory control sample duplicate (LCSD) for preparation batch 310-464848 and analytical batch 310-465678 recovered outside control limits for the following analyte(s): Methapyrilene. Methapyrilene has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The laboratory control sample duplicate (LCSD) for preparation batch 310-464848 and analytical batch 310-465678 recovered outside control limits for the following analytes: Famphur. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-464848 and analytical batch 310-465678 recovered outside control limits for the following analytes: 1-Naphthylamine, 3,3'-Dimethylbenzidine and Methapyrilene.

Method 8270E: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 310-464719 and analytical batch 310-465678 recovered outside control limits for the following analyte(s): 1,4-phenylenediamine. 1,4-phenylenediamine have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The laboratory control sample (LCS) for preparation batch 310-464719 and analytical batch 310-465678 recovered outside control limits for the following analytes: Diallate, Diallate Peak 1, Famphur and Kepone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The laboratory control sample duplicate (LCSD) for preparation batch 310-464719 and analytical batch 310-465678 recovered outside control limits for the following analytes: Famphur. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation

batch 310-464719 and analytical batch 310-465678 recovered outside control limits for the following analytes: 1,4-phenylenediamine and Kepone.

Method 8270E: The surrogate recovery for the blank associated with preparation batch 310-464719 and 310-464848 and analytical batch 310-465678 was outside the upper control limits.

Method 8270E: The initial calibration verification (ICV) result for batch 310-465678 was above the upper control limit. The affected analytes are: 1,4-phenylenediamine. Sample results were non-detects, and have been reported as qualified data.

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-465678 recovered above the upper control limit for Dibenzo(a,h)anthracene(35.1%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-465678/14).

Method 8270E: Internal standard (ISTD) response for the following sample was outside of acceptance limits: MW-11_25_08 (310-314023-3). The ISTD failed low causing the data to be biased high. The affected analytes were non-detects therefore the data has been reported.

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-465217 recovered above the upper control limit for Dibenzo(a,h)anthracene(41.3%D) and Indeno[1,2,3-cd]pyrene(57.7%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-465217/2).

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-465765 recovered above the upper control limit for 1,4-Naphthoquinone(30.7%D), 4-Chloro-3-methylphenol(20.7%D) and o-Toluidine(21.1%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-465765/6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Herbicides
Method 8151A: Surrogate recovery for the following samples were outside the upper control limit: AW-6_25_08 (310-314023-2), MW-12_25_08 (310-314023-4), MW-32_25_08 (310-314023-5), MW-34_25_08 (310-314023-7), FD-3_25_08 (310-314023-13) and FD-4_25_08 (310-314023-14). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
Method 8082A: Surrogate recovery for the following sample was outside the upper control limit: MW-34_25_08 (310-314023-7). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8082A: The ISTD for sample 310-314023-I-6-A failed low. Since this biases the analytes high and there were not detections, reanalysis was not performed and the data has been reported.

Method 8082A: Surrogate recovery for the following sample was outside the upper control limit: MW-33_25_08 (310-314023-6). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
Method 8081B: The continuing calibration verification (CCV) associated with batch 310-465011 recovered above the upper control limit for 4,4'-DDT and Methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081B: The ISTD failed low for sample 310-314023-I-7-A. This biases the analytes high, so since there were no detections, reanalysis was not performed and the data has been reported.

Method 8081B: Surrogate recovery for the following sample was outside control limits: MW-34_25_08 (310-314023-7). Evidence

of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8081B: The ISTD for 310-3104023-I-6-A failed low. Since this biases the analytes high and there were no detections, reanalysis was not performed and the data has been reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 310-465011 recovered above the upper control limit for 4,4'-DDT. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-465011/7).

Method 8081B: The continuing calibration verification (CCV) associated with batch 310-465299 recovered above the upper control limit for 4,4'-DDT and Methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081B: Surrogate recovery for the following sample was outside the upper control limit: MW-33_25_08 (310-314023-6). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8081B: The continuing calibration verification (CCV) associated with batch 310-465443 recovered above the upper control limit for 4,4'-DDT and Methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 9012B: Sample was stored at room temperature due to lab error.

MW-11_25_08 (310-314023-3)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-314023-1	AW-5_25_08	Water	08/20/25 14:20	08/22/25 13:30	Iowa
310-314023-2	AW-6_25_08	Water	08/20/25 15:45	08/22/25 13:30	Iowa
310-314023-3	MW-11_25_08	Water	08/20/25 11:35	08/22/25 13:30	Iowa
310-314023-4	MW-12_25_08	Water	08/20/25 10:25	08/22/25 13:30	Iowa
310-314023-5	MW-32_25_08	Water	08/20/25 14:40	08/22/25 13:30	Iowa
310-314023-6	MW-33_25_08	Water	08/20/25 15:50	08/22/25 13:30	Iowa
310-314023-7	MW-34_25_08	Water	08/20/25 13:35	08/22/25 13:30	Iowa
310-314023-8	MW-104B_25_08	Water	08/20/25 16:45	08/22/25 13:30	Iowa
310-314023-9	MW-105A_25_08	Water	08/20/25 11:05	08/22/25 13:30	Iowa
310-314023-10	MW-105B_25_08	Water	08/20/25 11:35	08/22/25 13:30	Iowa
310-314023-11	MW-109A_25_08	Water	08/20/25 17:35	08/22/25 13:30	Iowa
310-314023-12	MW-109B_25_08	Water	08/20/25 16:55	08/22/25 13:30	Iowa
310-314023-13	FD-3_25_08	Water	08/20/25 00:00	08/22/25 13:30	Iowa
310-314023-14	FD-4_25_08	Water	08/20/25 00:00	08/22/25 13:30	Iowa
310-314023-15	FB-3_25_08	Water	08/20/25 13:40	08/22/25 13:30	Iowa
310-314023-16	TB-3_25_08	Water	08/20/25 00:00	08/22/25 13:30	Iowa

Detection Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: AW-5_25_08 — Lab Sample ID: 310-314023-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00244		0.00200		mg/L	1		6020B	Total/NA
Barium	0.146		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.00205		0.000500		mg/L	1		6020B	Total/NA
Nickel	0.00890		0.00500		mg/L	1		6020B	Total/NA
Selenium	0.0208		0.00500		mg/L	1		6020B	Total/NA
Total Suspended Solids	12.5		7.5		mg/L	1		I-3765-85	Total/NA

Client Sample ID: AW-6_25_08 — Lab Sample ID: 310-314023-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.13		1.00		ug/L	1		8260D	Total/NA
Barium	0.144		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.00840		0.000500		mg/L	1		6020B	Total/NA
Nickel	0.0289		0.00500		mg/L	1		6020B	Total/NA

Client Sample ID: MW-11_25_08 — Lab Sample ID: 310-314023-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0541		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.000935		0.000500		mg/L	1		6020B	Total/NA
Nickel	0.00516		0.00500		mg/L	1		6020B	Total/NA
Total Suspended Solids	5.0		1.9		mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-12_25_08 — Lab Sample ID: 310-314023-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.55		1.00		ug/L	1		8260D	Total/NA
1,2-Dichlorobenzene	2.69		1.00		ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	8.93		1.00		ug/L	1		8260D	Total/NA
Chlorobenzene	3.57		1.00		ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	3.14		1.00		ug/L	1		8260D	Total/NA
Arsenic	0.117		0.00200		mg/L	1		6020B	Total/NA
Barium	0.514		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.00368		0.000500		mg/L	1		6020B	Total/NA
Nickel	0.0800		0.00500		mg/L	1		6020B	Total/NA
Thallium	0.00224		0.00100		mg/L	1		6020B	Total/NA
Total Suspended Solids	44.0		15.0		mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-32_25_08 — Lab Sample ID: 310-314023-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	2.09		1.00		ug/L	1		8260D	Total/NA
Acetone	13.2		10.0		ug/L	1		8260D	Total/NA
Benzene	0.589		0.500		ug/L	1		8260D	Total/NA
Chlorobenzene	5.44		1.00		ug/L	1		8260D	Total/NA
Toluene	57.5		1.00		ug/L	1		8260D	Total/NA
Methylphenol, 3 & 4	73.9		10.0		ug/L	1		8270E	Total/NA
Arsenic	0.532		0.00200		mg/L	1		6020B	Total/NA
Barium	1.46		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.00341		0.000500		mg/L	1		6020B	Total/NA
Lead	0.000541		0.000500		mg/L	1		6020B	Total/NA
Nickel	0.0517		0.00500		mg/L	1		6020B	Total/NA
Zinc	0.0700		0.0200		mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-32_25_08 (Continued) — Lab Sample ID: 310-314023-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	101		15.0		mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-33_25_08 — Lab Sample ID: 310-314023-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	4.10		1.00		ug/L	1		8260D	Total/NA
Arsenic	0.0369		0.00200		mg/L	1		6020B	Total/NA
Barium	0.473		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.00114		0.000500		mg/L	1		6020B	Total/NA
Nickel	0.00623		0.00500		mg/L	1		6020B	Total/NA
Total Suspended Solids	13.0		3.8		mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-34_25_08 — Lab Sample ID: 310-314023-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	1.48		1.00		ug/L	1		8260D	Total/NA
Acetone	12.7		10.0		ug/L	1		8260D	Total/NA
Benzene	0.720		0.500		ug/L	1		8260D	Total/NA
Chlorobenzene	2.03		1.00		ug/L	1		8260D	Total/NA
Toluene	4.62		1.00		ug/L	1		8260D	Total/NA
Arsenic	0.0469		0.00200		mg/L	1		6020B	Total/NA
Barium	0.302		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.00695		0.000500		mg/L	1		6020B	Total/NA
Lead	0.000526		0.000500		mg/L	1		6020B	Total/NA
Nickel	0.0462		0.00500		mg/L	1		6020B	Total/NA
Total Suspended Solids	72.0		15.0		mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-104B_25_08 — Lab Sample ID: 310-314023-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	11.6		1.9		mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-105A_25_08 — Lab Sample ID: 310-314023-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0453		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.00325		0.000500		mg/L	1		6020B	Total/NA
Copper	0.00546		0.00500		mg/L	1		6020B	Total/NA
Nickel	0.00831		0.00500		mg/L	1		6020B	Total/NA

Client Sample ID: MW-105B_25_08 — Lab Sample ID: 310-314023-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.84		1.00		ug/L	1		8260D	Total/NA
Arsenic	0.00442		0.00200		mg/L	1		6020B	Total/NA
Barium	0.111		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.00455		0.000500		mg/L	1		6020B	Total/NA
Nickel	0.0135		0.00500		mg/L	1		6020B	Total/NA

Client Sample ID: MW-109A_25_08 — Lab Sample ID: 310-314023-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.199		0.00200		mg/L	1		6020B	Total/NA
Selenium	0.00720		0.00500		mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-109B_25_08 — Lab Sample ID: 310-314023-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	1.49		1.00		ug/L	1		8260D	Total/NA
Chlorobenzene	6.62		1.00		ug/L	1		8260D	Total/NA
Arsenic	0.0192		0.00200		mg/L	1		6020B	Total/NA
Barium	0.646		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.0155		0.000500		mg/L	1		6020B	Total/NA
Nickel	0.0335		0.00500		mg/L	1		6020B	Total/NA
Thallium	0.00425		0.00100		mg/L	1		6020B	Total/NA
Total Suspended Solids	10.3		3.8		mg/L	1		I-3765-85	Total/NA

Client Sample ID: FD-3_25_08 — Lab Sample ID: 310-314023-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.76		1.00		ug/L	1		8260D	Total/NA
1,2-Dichlorobenzene	2.77		1.00		ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	9.01		1.00		ug/L	1		8260D	Total/NA
Chlorobenzene	3.67		1.00		ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	3.18		1.00		ug/L	1		8260D	Total/NA
Arsenic	0.120		0.00200		mg/L	1		6020B	Total/NA
Barium	0.526		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.00368		0.000500		mg/L	1		6020B	Total/NA
Nickel	0.0819		0.00500		mg/L	1		6020B	Total/NA
Thallium	0.00223		0.00100		mg/L	1		6020B	Total/NA
Total Suspended Solids	51.0		15.0		mg/L	1		I-3765-85	Total/NA

Client Sample ID: FD-4_25_08 — Lab Sample ID: 310-314023-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.09		1.00		ug/L	1		8260D	Total/NA
Barium	0.143		0.00200		mg/L	1		6020B	Total/NA
Cobalt	0.00834		0.000500		mg/L	1		6020B	Total/NA
Nickel	0.0286		0.00500		mg/L	1		6020B	Total/NA

Client Sample ID: FB-3_25_08 — Lab Sample ID: 310-314023-15

No Detections.

Client Sample ID: TB-3_25_08 — Lab Sample ID: 310-314023-16

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: AW-5_25_08
Date Collected: 08/20/25 14:20
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 14:18	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 14:18	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 14:18	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 14:18	1
1,1-Dichloroethane	<1.00		1.00		ug/L			08/25/25 14:18	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 14:18	1
1,1-Dichloropropene	<1.00		1.00		ug/L			08/25/25 14:18	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 14:18	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			08/25/25 14:18	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			08/25/25 14:18	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 14:18	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 14:18	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 14:18	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 14:18	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 14:18	1
1,3-Dichloropropane	<1.00		1.00		ug/L			08/25/25 14:18	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 14:18	1
2,2-Dichloropropane	<4.00		4.00		ug/L			08/25/25 14:18	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 14:18	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 14:18	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 14:18	1
Acetone	<10.0		10.0		ug/L			08/25/25 14:18	1
Acrolein	<10.0		10.0		ug/L			08/25/25 14:18	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 14:18	1
Allyl chloride	<2.00		2.00		ug/L			08/25/25 14:18	1
Benzene	<0.500		0.500		ug/L			08/25/25 14:18	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 14:18	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 14:18	1
Bromoform	<5.00		5.00		ug/L			08/25/25 14:18	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 14:18	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 14:18	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 14:18	1
Chlorobenzene	<1.00		1.00		ug/L			08/25/25 14:18	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 14:18	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 14:18	1
Chloroform	<3.00		3.00		ug/L			08/25/25 14:18	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 14:18	1
Chloroprene	<1.00		1.00		ug/L			08/25/25 14:18	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 14:18	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 14:18	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 14:18	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			08/25/25 14:18	1
Ethyl methacrylate	<2.00		2.00		ug/L			08/25/25 14:18	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 14:18	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 14:18	1
m,p-Xylene	<2.00		2.00		ug/L			08/25/25 14:18	1
Methacrylonitrile	<10.0		10.0		ug/L			08/25/25 14:18	1
Methyl methacrylate	<2.00		2.00		ug/L			08/25/25 14:18	1
Methylene Chloride	<5.00		5.00		ug/L			08/25/25 14:18	1

Client Sample ID: AW-5_25_08
Date Collected: 08/20/25 14:20
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<5.00		5.00		ug/L			08/25/25 14:18	1
o-Xylene	<1.00		1.00		ug/L			08/25/25 14:18	1
Propionitrile	<10.0		10.0		ug/L			08/25/25 14:18	1
Styrene	<1.00		1.00		ug/L			08/25/25 14:18	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 14:18	1
Toluene	<1.00		1.00		ug/L			08/25/25 14:18	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 14:18	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 14:18	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 14:18	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 14:18	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 14:18	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 14:18	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 14:18	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*123*		*76 - 130*		*08/25/25 14:18*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*08/25/25 14:18*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*08/25/25 14:18*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
1,3,5-Trinitrobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
1,3-Dinitrobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
1,4-Naphthoquinone	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
1,4-phenylenediamine	<10.0	*- *1	10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
1-Naphthylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2,4,5-Trichlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2,4,6-Trichlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2,4-Dichlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2,4-Dimethylphenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2,4-Dinitrophenol	<20.0		20.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2,4-Dinitrotoluene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2,6-Dichlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2,6-Dinitrotoluene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2-Acetylaminofluorene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2-Chloronaphthalene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2-Chlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2-Methylnaphthalene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2-Methylphenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2-Naphthylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2-Nitroaniline	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2-Nitrophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
3,3'-Dichlorobenzidine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
3,3'-Dimethylbenzidine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
3-Methylcholanthrene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
3-Nitroaniline	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
4,6-Dinitro-2-methylphenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: AW-5_25_08
Date Collected: 08/20/25 14:20
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
4-Bromophenyl phenyl ether	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
4-Chloro-3-methylphenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
4-Chloroaniline	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
4-Chlorophenyl phenyl ether	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Methylphenol, 3 & 4	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
4-Nitroaniline	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
4-Nitrophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
5-Nitro-o-toluidine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Acenaphthene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Acenaphthylene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Acetophenone	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Anthracene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Benzo[a]anthracene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Benzo[a]pyrene	<10.0		10.0		ug/L		08/26/25 07:34	08/30/25 00:32	1
Benzo[b]fluoranthene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Benzo[g,h,i]perylene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Benzo[k]fluoranthene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Benzyl alcohol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Bis(2-chloroethoxy)methane	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Bis(2-chloroethyl)ether	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
2,2'-oxybis[1-chloropropane]	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Butyl benzyl phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Chlorobenzilate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Chrysene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Diallate	<10.0	*+	10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Dibenzo(a,h)anthracene	<10.0		10.0		ug/L		08/26/25 07:34	08/30/25 00:32	1
Dibenzofuran	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Diethyl phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Dimethoate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Dimethyl phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Di-n-butyl phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Di-n-octyl phthalate	<20.0		20.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Dinoseb	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Diphenylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Disulfoton	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Ethyl methanesulfonate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Ethyl Parathion	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Famphur	<10.0	*+	10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Fluoranthene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Fluorene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Hexachlorobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Hexachlorobutadiene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Hexachlorocyclopentadiene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Hexachloroethane	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Hexachloropropene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0		ug/L		08/26/25 07:34	08/30/25 00:32	1

Client Sample ID: AW-5_25_08
Date Collected: 08/20/25 14:20
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Isophorone	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Isosafrole	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Kepone	<10.0	*+ *1	10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Methapyrilene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Methyl methanesulfonate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Methyl parathion	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Nitrobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
N-Nitrosodiethylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
N-Nitrosodimethylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
N-Nitrosodi-n-butylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
N-Nitrosodi-n-propylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
N-Nitrosodiphenylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
N-Nitrosomethylethylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
N-Nitrosopiperidine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
N-Nitrosopyrrolidine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
o-Toluidine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
p-Dimethylamino azobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Pentachlorobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Pentachloronitrobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Pentachlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Phenacetin	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Phenanthrene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Phenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Phorate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Pronamide	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Pyrene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Safrole	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1
Thionazin	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 06:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*62*		*21 - 110*	*08/26/25 07:34*	*09/05/25 06:22*	*1*
Phenol-d5 (Surr)	*51*		*21 - 110*	*08/26/25 07:34*	*09/05/25 06:22*	*1*
Nitrobenzene-d5 (Surr)	*88*		*39 - 140*	*08/26/25 07:34*	*09/05/25 06:22*	*1*
2-Fluorobiphenyl (Surr)	*89*		*33 - 126*	*08/26/25 07:34*	*09/05/25 06:22*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*20 - 144*	*08/26/25 07:34*	*09/05/25 06:22*	*1*
Terphenyl-d14 (Surr)	*102*		*13 - 150*	*08/26/25 07:34*	*09/05/25 06:22*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0		mg/L			08/26/25 16:05	1
Isobutanol	<10.0		10.0		mg/L			08/26/25 16:05	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1
4,4'-DDE	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1
4,4'-DDT	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1
Aldrin	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1

Client Sample ID: AW-5_25_08
Date Collected: 08/20/25 14:20
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-1
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1
beta-BHC	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1
Chlordane (technical)	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:21	1
delta-BHC	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1
Dieldrin	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1
Endosulfan I	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1
Endosulfan II	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1
Endosulfan sulfate	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1
Endrin	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1
Endrin aldehyde	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1
gamma-BHC (Lindane)	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1
Heptachlor	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1
Heptachlor epoxide	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1
Methoxychlor	<0.0904		0.0904		ug/L		08/25/25 13:33	09/03/25 16:21	1
Toxaphene	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*60*		*10 - 150*	*08/25/25 13:33*	*09/03/25 16:21*	*1*
Tetrachloro-m-xylene	*97*		*17 - 150*	*08/25/25 13:33*	*09/03/25 16:21*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:21	1
PCB-1221	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:21	1
PCB-1232	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:21	1
PCB-1242	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:21	1
PCB-1248	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:21	1
PCB-1254	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:21	1
PCB-1260	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*61*		*10 - 150*	*08/25/25 13:33*	*09/03/25 16:21*	*1*
Tetrachloro-m-xylene	*99*		*17 - 150*	*08/25/25 13:33*	*09/03/25 16:21*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<1.06		1.06		ug/L		08/27/25 07:18	08/27/25 18:20	1
Silvex (2,4,5-TP)	<1.06		1.06		ug/L		08/27/25 07:18	08/27/25 18:20	1
2,4,5-T	<1.06		1.06		ug/L		08/27/25 07:18	08/27/25 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*95*		*25 - 130*	*08/27/25 07:18*	*08/27/25 18:20*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 16:36	1
Arsenic	**0.00244**		0.00200		mg/L		08/27/25 09:00	08/30/25 16:36	1
Barium	**0.146**		0.00200		mg/L		08/27/25 09:00	08/30/25 16:36	1
Beryllium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:36	1
Cadmium	<0.000200		0.000200		mg/L		08/27/25 09:00	08/30/25 16:36	1
Chromium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:36	1

Client Sample ID: AW-5_25_08
Date Collected: 08/20/25 14:20
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-1
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00205**		0.000500		mg/L		08/27/25 09:00	08/30/25 16:36	1
Copper	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:36	1
Lead	<0.000500		0.000500		mg/L		08/27/25 09:00	08/30/25 16:36	1
Nickel	**0.00890**		0.00500		mg/L		08/27/25 09:00	08/30/25 16:36	1
Selenium	**0.0208**		0.00500		mg/L		08/27/25 09:00	08/30/25 16:36	1
Silver	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:36	1
Thallium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:36	1
Tin	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:36	1
Vanadium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:36	1
Zinc	<0.0200		0.0200		mg/L		08/27/25 09:00	08/30/25 16:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		08/27/25 12:30	08/28/25 10:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100		mg/L		08/25/25 09:00	08/27/25 23:51	1
Sulfide (SW846 9034)	<1.00		1.00		mg/L		08/26/25 18:04	08/27/25 02:04	1
Total Suspended Solids (USGS I-3765-85)	**12.5**		7.5		mg/L			08/25/25 13:14	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: AW-6_25_08
Date Collected: 08/20/25 15:45
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 14:40	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 14:40	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 14:40	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 14:40	1
1,1-Dichloroethane	**2.13**		1.00		ug/L			08/25/25 14:40	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 14:40	1
1,1-Dichloropropene	<1.00		1.00		ug/L			08/25/25 14:40	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 14:40	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			08/25/25 14:40	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			08/25/25 14:40	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 14:40	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 14:40	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 14:40	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 14:40	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 14:40	1
1,3-Dichloropropane	<1.00		1.00		ug/L			08/25/25 14:40	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 14:40	1
2,2-Dichloropropane	<4.00		4.00		ug/L			08/25/25 14:40	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 14:40	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 14:40	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 14:40	1
Acetone	<10.0		10.0		ug/L			08/25/25 14:40	1
Acrolein	<10.0		10.0		ug/L			08/25/25 14:40	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 14:40	1
Allyl chloride	<2.00		2.00		ug/L			08/25/25 14:40	1
Benzene	<0.500		0.500		ug/L			08/25/25 14:40	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 14:40	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 14:40	1
Bromoform	<5.00		5.00		ug/L			08/25/25 14:40	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 14:40	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 14:40	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 14:40	1
Chlorobenzene	<1.00		1.00		ug/L			08/25/25 14:40	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 14:40	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 14:40	1
Chloroform	<3.00		3.00		ug/L			08/25/25 14:40	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 14:40	1
Chloroprene	<1.00		1.00		ug/L			08/25/25 14:40	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 14:40	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 14:40	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 14:40	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			08/25/25 14:40	1
Ethyl methacrylate	<2.00		2.00		ug/L			08/25/25 14:40	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 14:40	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 14:40	1
m,p-Xylene	<2.00		2.00		ug/L			08/25/25 14:40	1
Methacrylonitrile	<10.0		10.0		ug/L			08/25/25 14:40	1
Methyl methacrylate	<2.00		2.00		ug/L			08/25/25 14:40	1
Methylene Chloride	<5.00		5.00		ug/L			08/25/25 14:40	1

Client Sample ID: AW-6_25_08
Date Collected: 08/20/25 15:45
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<5.00		5.00		ug/L			08/25/25 14:40	1
o-Xylene	<1.00		1.00		ug/L			08/25/25 14:40	1
Propionitrile	<10.0		10.0		ug/L			08/25/25 14:40	1
Styrene	<1.00		1.00		ug/L			08/25/25 14:40	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 14:40	1
Toluene	<1.00		1.00		ug/L			08/25/25 14:40	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 14:40	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 14:40	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 14:40	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 14:40	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 14:40	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 14:40	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 14:40	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*121*		*76 - 130*		*08/25/25 14:40*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*08/25/25 14:40*	*1*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*08/25/25 14:40*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
1,3,5-Trinitrobenzene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
1,3-Dinitrobenzene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
1,4-Naphthoquinone	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
1,4-phenylenediamine	<10.4	*- *1	10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
1-Naphthylamine	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2,3,4,6-Tetrachlorophenol	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2,4,5-Trichlorophenol	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2,4,6-Trichlorophenol	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2,4-Dichlorophenol	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2,4-Dimethylphenol	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2,4-Dinitrophenol	<20.8		20.8		ug/L		08/26/25 07:34	09/05/25 06:49	1
2,4-Dinitrotoluene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2,6-Dichlorophenol	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2,6-Dinitrotoluene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2-Acetylaminofluorene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2-Chloronaphthalene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2-Chlorophenol	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2-Methylnaphthalene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2-Methylphenol	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2-Naphthylamine	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2-Nitroaniline	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2-Nitrophenol	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
3,3'-Dichlorobenzidine	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
3,3'-Dimethylbenzidine	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
3-Methylcholanthrene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
3-Nitroaniline	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
4,6-Dinitro-2-methylphenol	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: AW-6_25_08
Date Collected: 08/20/25 15:45
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
4-Bromophenyl phenyl ether	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
4-Chloro-3-methylphenol	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
4-Chloroaniline	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
4-Chlorophenyl phenyl ether	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Methylphenol, 3 & 4	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
4-Nitroaniline	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
4-Nitrophenol	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
5-Nitro-o-toluidine	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
7,12-Dimethylbenz(a)anthracene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Acenaphthene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Acenaphthylene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Acetophenone	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Anthracene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Benzo[a]anthracene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Benzo[a]pyrene	<10.4		10.4		ug/L		08/26/25 07:34	08/30/25 00:59	1
Benzo[b]fluoranthene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Benzo[g,h,i]perylene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Benzo[k]fluoranthene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Benzyl alcohol	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Bis(2-chloroethoxy)methane	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Bis(2-chloroethyl)ether	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
2,2'-oxybis[1-chloropropane]	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Bis(2-ethylhexyl) phthalate	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Butyl benzyl phthalate	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Chlorobenzilate	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Chrysene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Diallate	<10.4	*+	10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Dibenzo(a,h)anthracene	<10.4		10.4		ug/L		08/26/25 07:34	08/30/25 00:59	1
Dibenzofuran	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Diethyl phthalate	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Dimethoate	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Dimethyl phthalate	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Di-n-butyl phthalate	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Di-n-octyl phthalate	<20.8		20.8		ug/L		08/26/25 07:34	09/05/25 06:49	1
Dinoseb	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Diphenylamine	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Disulfoton	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Ethyl methanesulfonate	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Ethyl Parathion	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Famphur	<10.4	*+	10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Fluoranthene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Fluorene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Hexachlorobenzene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Hexachlorobutadiene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Hexachlorocyclopentadiene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Hexachloroethane	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Hexachloropropene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Indeno[1,2,3-cd]pyrene	<10.4		10.4		ug/L		08/26/25 07:34	08/30/25 00:59	1

Client Sample ID: AW-6_25_08
Date Collected: 08/20/25 15:45
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Isophorone	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Isosafrole	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Kepone	<10.4	*+ *1	10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Methapyrilene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Methyl methanesulfonate	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Methyl parathion	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Nitrobenzene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
N-Nitrosodiethylamine	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
N-Nitrosodimethylamine	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
N-Nitrosodi-n-butylamine	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
N-Nitrosodi-n-propylamine	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
N-Nitrosodiphenylamine	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
N-Nitrosomethylethylamine	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
N-Nitrosopiperidine	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
N-Nitrosopyrrolidine	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
o,o',o''-Triethylphosphorothioate	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
o-Toluidine	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
p-Dimethylamino azobenzene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Pentachlorobenzene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Pentachloronitrobenzene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Pentachlorophenol	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Phenacetin	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Phenanthrene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Phenol	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Phorate	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Pronamide	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Pyrene	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Safrole	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1
Thionazin	<10.4		10.4		ug/L		08/26/25 07:34	09/05/25 06:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*65*		*21 - 110*	*08/26/25 07:34*	*09/05/25 06:49*	*1*
Phenol-d5 (Surr)	*54*		*21 - 110*	*08/26/25 07:34*	*09/05/25 06:49*	*1*
Nitrobenzene-d5 (Surr)	*90*		*39 - 140*	*08/26/25 07:34*	*09/05/25 06:49*	*1*
2-Fluorobiphenyl (Surr)	*91*		*33 - 126*	*08/26/25 07:34*	*09/05/25 06:49*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*20 - 144*	*08/26/25 07:34*	*09/05/25 06:49*	*1*
Terphenyl-d14 (Surr)	*118*		*13 - 150*	*08/26/25 07:34*	*09/05/25 06:49*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0		mg/L			08/26/25 16:26	1
Isobutanol	<10.0		10.0		mg/L			08/26/25 16:26	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1
4,4'-DDE	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1
4,4'-DDT	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1
Aldrin	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1

Client Sample ID: AW-6_25_08
Date Collected: 08/20/25 15:45
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-2
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1
beta-BHC	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1
Chlordane (technical)	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:34	1
delta-BHC	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1
Dieldrin	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1
Endosulfan I	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1
Endosulfan II	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1
Endosulfan sulfate	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1
Endrin	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1
Endrin aldehyde	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1
gamma-BHC (Lindane)	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1
Heptachlor	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1
Heptachlor epoxide	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1
Methoxychlor	<0.0907		0.0907		ug/L		08/25/25 13:33	09/03/25 16:34	1
Toxaphene	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*10 - 150*	*08/25/25 13:33*	*09/03/25 16:34*	*1*
Tetrachloro-m-xylene	*92*		*17 - 150*	*08/25/25 13:33*	*09/03/25 16:34*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:34	1
PCB-1221	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:34	1
PCB-1232	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:34	1
PCB-1242	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:34	1
PCB-1248	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:34	1
PCB-1254	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:34	1
PCB-1260	<1.81		1.81		ug/L		08/25/25 13:33	09/03/25 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*10 - 150*	*08/25/25 13:33*	*09/03/25 16:34*	*1*
Tetrachloro-m-xylene	*94*		*17 - 150*	*08/25/25 13:33*	*09/03/25 16:34*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<1.04		1.04		ug/L		08/27/25 07:18	08/27/25 18:38	1
Silvex (2,4,5-TP)	<1.04		1.04		ug/L		08/27/25 07:18	08/27/25 18:38	1
2,4,5-T	<1.04		1.04		ug/L		08/27/25 07:18	08/27/25 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*267*	*S1+*	*25 - 130*	*08/27/25 07:18*	*08/27/25 18:38*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 16:44	1
Arsenic	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 16:44	1
Barium	**0.144**		0.00200		mg/L		08/27/25 09:00	08/30/25 16:44	1
Beryllium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:44	1
Cadmium	<0.000200		0.000200		mg/L		08/27/25 09:00	08/30/25 16:44	1
Chromium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:44	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: AW-6_25_08
Date Collected: 08/20/25 15:45
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-2
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00840**		0.000500		mg/L		08/27/25 09:00	08/30/25 16:44	1
Copper	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:44	1
Lead	<0.000500		0.000500		mg/L		08/27/25 09:00	08/30/25 16:44	1
Nickel	**0.0289**		0.00500		mg/L		08/27/25 09:00	08/30/25 16:44	1
Selenium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:44	1
Silver	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:44	1
Thallium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:44	1
Tin	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:44	1
Vanadium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:44	1
Zinc	<0.0200		0.0200		mg/L		08/27/25 09:00	08/30/25 16:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		08/27/25 12:30	08/28/25 10:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100		mg/L		08/25/25 09:00	08/27/25 23:54	1
Sulfide (SW846 9034)	<1.00		1.00		mg/L		08/26/25 18:06	08/27/25 02:08	1
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			08/25/25 13:14	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-11_25_08
Date Collected: 08/20/25 11:35
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 15:03	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 15:03	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 15:03	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 15:03	1
1,1-Dichloroethane	<1.00		1.00		ug/L			08/25/25 15:03	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 15:03	1
1,1-Dichloropropene	<1.00		1.00		ug/L			08/25/25 15:03	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 15:03	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			08/25/25 15:03	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			08/25/25 15:03	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 15:03	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 15:03	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 15:03	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 15:03	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 15:03	1
1,3-Dichloropropane	<1.00		1.00		ug/L			08/25/25 15:03	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 15:03	1
2,2-Dichloropropane	<4.00		4.00		ug/L			08/25/25 15:03	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 15:03	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 15:03	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 15:03	1
Acetone	<10.0		10.0		ug/L			08/25/25 15:03	1
Acrolein	<10.0		10.0		ug/L			08/25/25 15:03	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 15:03	1
Allyl chloride	<2.00		2.00		ug/L			08/25/25 15:03	1
Benzene	<0.500		0.500		ug/L			08/25/25 15:03	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 15:03	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 15:03	1
Bromoform	<5.00		5.00		ug/L			08/25/25 15:03	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 15:03	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 15:03	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 15:03	1
Chlorobenzene	<1.00		1.00		ug/L			08/25/25 15:03	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 15:03	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 15:03	1
Chloroform	<3.00		3.00		ug/L			08/25/25 15:03	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 15:03	1
Chloroprene	<1.00		1.00		ug/L			08/25/25 15:03	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 15:03	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 15:03	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 15:03	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			08/25/25 15:03	1
Ethyl methacrylate	<2.00		2.00		ug/L			08/25/25 15:03	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 15:03	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 15:03	1
m,p-Xylene	<2.00		2.00		ug/L			08/25/25 15:03	1
Methacrylonitrile	<10.0		10.0		ug/L			08/25/25 15:03	1
Methyl methacrylate	<2.00		2.00		ug/L			08/25/25 15:03	1
Methylene Chloride	<5.00		5.00		ug/L			08/25/25 15:03	1

Client Sample ID: MW-11_25_08
Date Collected: 08/20/25 11:35
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<5.00		5.00		ug/L			08/25/25 15:03	1
o-Xylene	<1.00		1.00		ug/L			08/25/25 15:03	1
Propionitrile	<10.0		10.0		ug/L			08/25/25 15:03	1
Styrene	<1.00		1.00		ug/L			08/25/25 15:03	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 15:03	1
Toluene	<1.00		1.00		ug/L			08/25/25 15:03	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 15:03	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 15:03	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 15:03	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 15:03	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 15:03	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 15:03	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 15:03	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*123*		*76 - 130*		*08/25/25 15:03*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*08/25/25 15:03*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*08/25/25 15:03*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
1,3,5-Trinitrobenzene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
1,3-Dinitrobenzene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
1,4-Naphthoquinone	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
1,4-phenylenediamine	<11.1	*- *1	11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
1-Naphthylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2,3,4,6-Tetrachlorophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2,4,5-Trichlorophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2,4,6-Trichlorophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2,4-Dichlorophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2,4-Dimethylphenol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2,4-Dinitrophenol	<22.2		22.2		ug/L		08/26/25 07:34	09/05/25 07:15	1
2,4-Dinitrotoluene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2,6-Dichlorophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2,6-Dinitrotoluene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2-Acetylaminofluorene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2-Chloronaphthalene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2-Chlorophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2-Methylnaphthalene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2-Methylphenol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2-Naphthylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2-Nitroaniline	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2-Nitrophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
3,3'-Dichlorobenzidine	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
3,3'-Dimethylbenzidine	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
3-Methylcholanthrene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
3-Nitroaniline	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
4,6-Dinitro-2-methylphenol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-11_25_08
Date Collected: 08/20/25 11:35
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
4-Bromophenyl phenyl ether	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
4-Chloro-3-methylphenol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
4-Chloroaniline	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
4-Chlorophenyl phenyl ether	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Methylphenol, 3 & 4	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
4-Nitroaniline	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
4-Nitrophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
5-Nitro-o-toluidine	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
7,12-Dimethylbenz(a)anthracene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Acenaphthene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Acenaphthylene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Acetophenone	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Anthracene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Benzo[a]anthracene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Benzo[a]pyrene	<11.1	*3	11.1		ug/L		08/26/25 07:34	08/30/25 01:25	1
Benzo[b]fluoranthene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Benzo[g,h,i]perylene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Benzo[k]fluoranthene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Benzyl alcohol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Bis(2-chloroethoxy)methane	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Bis(2-chloroethyl)ether	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
2,2'-oxybis[1-chloropropane]	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Bis(2-ethylhexyl) phthalate	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Butyl benzyl phthalate	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Chlorobenzilate	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Chrysene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Diallate	<11.1	*+	11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Dibenzo(a,h)anthracene	<11.1	*3	11.1		ug/L		08/26/25 07:34	08/30/25 01:25	1
Dibenzofuran	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Diethyl phthalate	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Dimethoate	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Dimethyl phthalate	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Di-n-butyl phthalate	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Di-n-octyl phthalate	<22.2		22.2		ug/L		08/26/25 07:34	09/05/25 07:15	1
Dinoseb	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Diphenylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Disulfoton	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Ethyl methanesulfonate	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Ethyl Parathion	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Famphur	<11.1	*+	11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Fluoranthene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Fluorene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Hexachlorobenzene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Hexachlorobutadiene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Hexachlorocyclopentadiene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Hexachloroethane	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Hexachloropropene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Indeno[1,2,3-cd]pyrene	<11.1	*3	11.1		ug/L		08/26/25 07:34	08/30/25 01:25	1

Client Sample ID: MW-11_25_08
Date Collected: 08/20/25 11:35
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Isophorone	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Isosafrole	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Kepone	<11.1	*+ *1	11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Methapyrilene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Methyl methanesulfonate	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Methyl parathion	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Nitrobenzene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
N-Nitrosodiethylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
N-Nitrosodimethylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
N-Nitrosodi-n-butylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
N-Nitrosodi-n-propylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
N-Nitrosodiphenylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
N-Nitrosomethylethylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
N-Nitrosopiperidine	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
N-Nitrosopyrrolidine	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
o,o',o''-Triethylphosphorothioate	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
o-Toluidine	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
p-Dimethylamino azobenzene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Pentachlorobenzene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Pentachloronitrobenzene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Pentachlorophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Phenacetin	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Phenanthrene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Phenol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Phorate	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Pronamide	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Pyrene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Safrole	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1
Thionazin	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 07:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*68*		*21 - 110*	*08/26/25 07:34*	*09/05/25 07:15*	*1*
Phenol-d5 (Surr)	*57*		*21 - 110*	*08/26/25 07:34*	*09/05/25 07:15*	*1*
Nitrobenzene-d5 (Surr)	*93*		*39 - 140*	*08/26/25 07:34*	*09/05/25 07:15*	*1*
2-Fluorobiphenyl (Surr)	*92*		*33 - 126*	*08/26/25 07:34*	*09/05/25 07:15*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*20 - 144*	*08/26/25 07:34*	*09/05/25 07:15*	*1*
Terphenyl-d14 (Surr)	*116*		*13 - 150*	*08/26/25 07:34*	*09/05/25 07:15*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0		mg/L			08/26/25 16:46	1
Isobutanol	<10.0		10.0		mg/L			08/26/25 16:46	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1
4,4'-DDE	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1
4,4'-DDT	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1
Aldrin	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1

Client Sample ID: MW-11_25_08
Date Collected: 08/20/25 11:35
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-3
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1
beta-BHC	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1
Chlordane (technical)	<1.89		1.89		ug/L		08/25/25 13:33	09/03/25 16:47	1
delta-BHC	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1
Dieldrin	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1
Endosulfan I	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1
Endosulfan II	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1
Endosulfan sulfate	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1
Endrin	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1
Endrin aldehyde	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1
gamma-BHC (Lindane)	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1
Heptachlor	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1
Heptachlor epoxide	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1
Methoxychlor	<0.0946		0.0946		ug/L		08/25/25 13:33	09/03/25 16:47	1
Toxaphene	<1.89		1.89		ug/L		08/25/25 13:33	09/03/25 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*10 - 150*	*08/25/25 13:33*	*09/03/25 16:47*	*1*
Tetrachloro-m-xylene	*74*		*17 - 150*	*08/25/25 13:33*	*09/03/25 16:47*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.89		1.89		ug/L		08/25/25 13:33	09/03/25 16:47	1
PCB-1221	<1.89		1.89		ug/L		08/25/25 13:33	09/03/25 16:47	1
PCB-1232	<1.89		1.89		ug/L		08/25/25 13:33	09/03/25 16:47	1
PCB-1242	<1.89		1.89		ug/L		08/25/25 13:33	09/03/25 16:47	1
PCB-1248	<1.89		1.89		ug/L		08/25/25 13:33	09/03/25 16:47	1
PCB-1254	<1.89		1.89		ug/L		08/25/25 13:33	09/03/25 16:47	1
PCB-1260	<1.89		1.89		ug/L		08/25/25 13:33	09/03/25 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*10 - 150*	*08/25/25 13:33*	*09/03/25 16:47*	*1*
Tetrachloro-m-xylene	*76*		*17 - 150*	*08/25/25 13:33*	*09/03/25 16:47*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<1.25		1.25		ug/L		08/27/25 07:18	08/27/25 19:14	1
Silvex (2,4,5-TP)	<1.25		1.25		ug/L		08/27/25 07:18	08/27/25 19:14	1
2,4,5-T	<1.25		1.25		ug/L		08/27/25 07:18	08/27/25 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*115*		*25 - 130*	*08/27/25 07:18*	*08/27/25 19:14*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 16:53	1
Arsenic	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 16:53	1
Barium	**0.0541**		0.00200		mg/L		08/27/25 09:00	08/30/25 16:53	1
Beryllium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:53	1
Cadmium	<0.000200		0.000200		mg/L		08/27/25 09:00	08/30/25 16:53	1
Chromium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:53	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-11_25_08
Date Collected: 08/20/25 11:35
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-3
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.000935**		0.000500		mg/L		08/27/25 09:00	08/30/25 16:53	1
Copper	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:53	1
Lead	<0.000500		0.000500		mg/L		08/27/25 09:00	08/30/25 16:53	1
Nickel	**0.00516**		0.00500		mg/L		08/27/25 09:00	08/30/25 16:53	1
Selenium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:53	1
Silver	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:53	1
Thallium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:53	1
Tin	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:53	1
Vanadium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:53	1
Zinc	<0.0200		0.0200		mg/L		08/27/25 09:00	08/30/25 16:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		08/27/25 12:30	08/28/25 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100		mg/L		08/25/25 09:00	08/27/25 23:55	1
Sulfide (SW846 9034)	<1.00		1.00		mg/L		08/26/25 18:08	08/27/25 02:13	1
Total Suspended Solids (USGS I-3765-85)	**5.0**		1.9		mg/L			08/25/25 13:14	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-12_25_08
Date Collected: 08/20/25 10:25
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 15:25	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 15:25	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 15:25	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 15:25	1
1,1-Dichloroethane	**2.55**		1.00		ug/L			08/25/25 15:25	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 15:25	1
1,1-Dichloropropene	<1.00		1.00		ug/L			08/25/25 15:25	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 15:25	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			08/25/25 15:25	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			08/25/25 15:25	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 15:25	1
1,2-Dichlorobenzene	**2.69**		1.00		ug/L			08/25/25 15:25	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 15:25	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 15:25	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 15:25	1
1,3-Dichloropropane	<1.00		1.00		ug/L			08/25/25 15:25	1
1,4-Dichlorobenzene	**8.93**		1.00		ug/L			08/25/25 15:25	1
2,2-Dichloropropane	<4.00		4.00		ug/L			08/25/25 15:25	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 15:25	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 15:25	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 15:25	1
Acetone	<10.0		10.0		ug/L			08/25/25 15:25	1
Acrolein	<10.0		10.0		ug/L			08/25/25 15:25	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 15:25	1
Allyl chloride	<2.00		2.00		ug/L			08/25/25 15:25	1
Benzene	<0.500		0.500		ug/L			08/25/25 15:25	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 15:25	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 15:25	1
Bromoform	<5.00		5.00		ug/L			08/25/25 15:25	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 15:25	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 15:25	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 15:25	1
Chlorobenzene	**3.57**		1.00		ug/L			08/25/25 15:25	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 15:25	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 15:25	1
Chloroform	<3.00		3.00		ug/L			08/25/25 15:25	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 15:25	1
Chloroprene	<1.00		1.00		ug/L			08/25/25 15:25	1
cis-1,2-Dichloroethene	**3.14**		1.00		ug/L			08/25/25 15:25	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 15:25	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 15:25	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			08/25/25 15:25	1
Ethyl methacrylate	<2.00		2.00		ug/L			08/25/25 15:25	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 15:25	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 15:25	1
m,p-Xylene	<2.00		2.00		ug/L			08/25/25 15:25	1
Methacrylonitrile	<10.0		10.0		ug/L			08/25/25 15:25	1
Methyl methacrylate	<2.00		2.00		ug/L			08/25/25 15:25	1
Methylene Chloride	<5.00		5.00		ug/L			08/25/25 15:25	1

Client Sample ID: MW-12_25_08
Date Collected: 08/20/25 10:25
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<5.00		5.00		ug/L			08/25/25 15:25	1
o-Xylene	<1.00		1.00		ug/L			08/25/25 15:25	1
Propionitrile	<10.0		10.0		ug/L			08/25/25 15:25	1
Styrene	<1.00		1.00		ug/L			08/25/25 15:25	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 15:25	1
Toluene	<1.00		1.00		ug/L			08/25/25 15:25	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 15:25	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 15:25	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 15:25	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 15:25	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 15:25	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 15:25	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 15:25	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*119*		*76 - 130*		*08/25/25 15:25*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*08/25/25 15:25*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/25/25 15:25*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
1,3,5-Trinitrobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
1,3-Dinitrobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
1,4-Naphthoquinone	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 15:50	1
1,4-phenylenediamine	<10.0	*- *1	10.0		ug/L		08/26/25 07:34	09/05/25 15:50	1
1-Naphthylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2,4,5-Trichlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2,4,6-Trichlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2,4-Dichlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2,4-Dimethylphenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2,4-Dinitrophenol	<20.0		20.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2,4-Dinitrotoluene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2,6-Dichlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 15:50	1
2,6-Dinitrotoluene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2-Acetylaminofluorene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2-Chloronaphthalene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2-Chlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2-Methylnaphthalene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2-Methylphenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2-Naphthylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2-Nitroaniline	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2-Nitrophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
3,3'-Dichlorobenzidine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
3,3'-Dimethylbenzidine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
3-Methylcholanthrene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 15:50	1
3-Nitroaniline	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
4,6-Dinitro-2-methylphenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-12_25_08
Date Collected: 08/20/25 10:25
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
4-Bromophenyl phenyl ether	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
4-Chloro-3-methylphenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 15:50	1
4-Chloroaniline	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
4-Chlorophenyl phenyl ether	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Methylphenol, 3 & 4	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
4-Nitroaniline	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
4-Nitrophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
5-Nitro-o-toluidine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 15:50	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Acenaphthene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Acenaphthylene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Acetophenone	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Anthracene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Benzo[a]anthracene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Benzo[a]pyrene	<10.0		10.0		ug/L		08/26/25 07:34	09/07/25 18:32	1
Benzo[b]fluoranthene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 15:50	1
Benzo[g,h,i]perylene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 15:50	1
Benzo[k]fluoranthene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Benzyl alcohol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Bis(2-chloroethoxy)methane	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Bis(2-chloroethyl)ether	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
2,2'-oxybis[1-chloropropane]	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Butyl benzyl phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Chlorobenzilate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Chrysene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Diallate	<10.0	*+	10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Dibenzo(a,h)anthracene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Dibenzofuran	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Diethyl phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Dimethoate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Dimethyl phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Di-n-butyl phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Di-n-octyl phthalate	<20.0		20.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Dinoseb	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Diphenylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Disulfoton	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Ethyl methanesulfonate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Ethyl Parathion	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Famphur	<10.0	*+	10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Fluoranthene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Fluorene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Hexachlorobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Hexachlorobutadiene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Hexachlorocyclopentadiene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 15:50	1
Hexachloroethane	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Hexachloropropene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 15:50	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0		ug/L		08/26/25 07:34	09/07/25 18:32	1

Client Sample ID: MW-12_25_08
Date Collected: 08/20/25 10:25
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Isophorone	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Isosafrole	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Kepone	<10.0	*+ *1	10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Methapyrilene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Methyl methanesulfonate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Methyl parathion	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Nitrobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
N-Nitrosodiethylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
N-Nitrosodimethylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
N-Nitrosodi-n-butylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
N-Nitrosodi-n-propylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
N-Nitrosodiphenylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
N-Nitrosomethylethylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
N-Nitrosopiperidine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
N-Nitrosopyrrolidine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
o-Toluidine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
p-Dimethylamino azobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Pentachlorobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Pentachloronitrobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 15:50	1
Pentachlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Phenacetin	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Phenanthrene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Phenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Phorate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Pronamide	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Pyrene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Safrole	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1
Thionazin	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*67*		*21 - 110*	*08/26/25 07:34*	*09/06/25 19:29*	*1*
Phenol-d5 (Surr)	*53*		*21 - 110*	*08/26/25 07:34*	*09/06/25 19:29*	*1*
Nitrobenzene-d5 (Surr)	*83*		*39 - 140*	*08/26/25 07:34*	*09/06/25 19:29*	*1*
2-Fluorobiphenyl (Surr)	*81*		*33 - 126*	*08/26/25 07:34*	*09/06/25 19:29*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*20 - 144*	*08/26/25 07:34*	*09/06/25 19:29*	*1*
Terphenyl-d14 (Surr)	*86*		*13 - 150*	*08/26/25 07:34*	*09/06/25 19:29*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0		mg/L			08/26/25 17:07	1
Isobutanol	<10.0		10.0		mg/L			08/26/25 17:07	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1
4,4'-DDE	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1
4,4'-DDT	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1
Aldrin	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1

Client Sample ID: MW-12_25_08
Date Collected: 08/20/25 10:25
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-4
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1
beta-BHC	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1
Chlordane (technical)	<1.89		1.89		ug/L		08/25/25 13:34	09/03/25 17:00	1
delta-BHC	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1
Dieldrin	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1
Endosulfan I	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1
Endosulfan II	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1
Endosulfan sulfate	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1
Endrin	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1
Endrin aldehyde	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1
gamma-BHC (Lindane)	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1
Heptachlor	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1
Heptachlor epoxide	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1
Methoxychlor	<0.0943		0.0943		ug/L		08/25/25 13:34	09/03/25 17:00	1
Toxaphene	<1.89		1.89		ug/L		08/25/25 13:34	09/03/25 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*10 - 150*	*08/25/25 13:34*	*09/03/25 17:00*	*1*
Tetrachloro-m-xylene	*84*		*17 - 150*	*08/25/25 13:34*	*09/03/25 17:00*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.89		1.89		ug/L		08/25/25 13:34	09/03/25 17:00	1
PCB-1221	<1.89		1.89		ug/L		08/25/25 13:34	09/03/25 17:00	1
PCB-1232	<1.89		1.89		ug/L		08/25/25 13:34	09/03/25 17:00	1
PCB-1242	<1.89		1.89		ug/L		08/25/25 13:34	09/03/25 17:00	1
PCB-1248	<1.89		1.89		ug/L		08/25/25 13:34	09/03/25 17:00	1
PCB-1254	<1.89		1.89		ug/L		08/25/25 13:34	09/03/25 17:00	1
PCB-1260	<1.89		1.89		ug/L		08/25/25 13:34	09/03/25 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*10 - 150*	*08/25/25 13:34*	*09/03/25 17:00*	*1*
Tetrachloro-m-xylene	*86*		*17 - 150*	*08/25/25 13:34*	*09/03/25 17:00*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.953		0.953		ug/L		08/27/25 07:18	08/27/25 19:32	1
Silvex (2,4,5-TP)	<0.953		0.953		ug/L		08/27/25 07:18	08/27/25 19:32	1
2,4,5-T	<0.953		0.953		ug/L		08/27/25 07:18	08/27/25 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*402*	*S1+*	*25 - 130*	*08/27/25 07:18*	*08/27/25 19:32*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 16:56	1
Arsenic	**0.117**		0.00200		mg/L		08/27/25 09:00	08/30/25 16:56	1
Barium	**0.514**		0.00200		mg/L		08/27/25 09:00	08/30/25 16:56	1
Beryllium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:56	1
Cadmium	<0.000200		0.000200		mg/L		08/27/25 09:00	08/30/25 16:56	1
Chromium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:56	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-12_25_08
Date Collected: 08/20/25 10:25
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-4
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00368**		0.000500		mg/L		08/27/25 09:00	08/30/25 16:56	1
Copper	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:56	1
Lead	<0.000500		0.000500		mg/L		08/27/25 09:00	08/30/25 16:56	1
Nickel	**0.0800**		0.00500		mg/L		08/27/25 09:00	08/30/25 16:56	1
Selenium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:56	1
Silver	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:56	1
Thallium	**0.00224**		0.00100		mg/L		08/27/25 09:00	08/30/25 16:56	1
Tin	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:56	1
Vanadium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:56	1
Zinc	<0.0200		0.0200		mg/L		08/27/25 09:00	08/30/25 16:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		08/27/25 12:30	08/28/25 10:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100		mg/L		08/25/25 09:00	08/27/25 23:55	1
Sulfide (SW846 9034)	<1.00		1.00		mg/L		08/26/25 18:10	08/27/25 02:17	1
Total Suspended Solids (USGS I-3765-85)	**44.0**		15.0		mg/L			08/25/25 13:14	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-32_25_08
Date Collected: 08/20/25 14:40
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 15:48	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 15:48	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 15:48	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 15:48	1
1,1-Dichloroethane	<1.00		1.00		ug/L			08/25/25 15:48	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 15:48	1
1,1-Dichloropropene	<1.00		1.00		ug/L			08/25/25 15:48	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 15:48	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			08/25/25 15:48	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			08/25/25 15:48	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 15:48	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 15:48	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 15:48	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 15:48	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 15:48	1
1,3-Dichloropropane	<1.00		1.00		ug/L			08/25/25 15:48	1
1,4-Dichlorobenzene	**2.09**		1.00		ug/L			08/25/25 15:48	1
2,2-Dichloropropane	<4.00		4.00		ug/L			08/25/25 15:48	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 15:48	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 15:48	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 15:48	1
Acetone	**13.2**		10.0		ug/L			08/25/25 15:48	1
Acrolein	<10.0		10.0		ug/L			08/25/25 15:48	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 15:48	1
Allyl chloride	<2.00		2.00		ug/L			08/25/25 15:48	1
Benzene	**0.589**		0.500		ug/L			08/25/25 15:48	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 15:48	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 15:48	1
Bromoform	<5.00		5.00		ug/L			08/25/25 15:48	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 15:48	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 15:48	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 15:48	1
Chlorobenzene	**5.44**		1.00		ug/L			08/25/25 15:48	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 15:48	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 15:48	1
Chloroform	<3.00		3.00		ug/L			08/25/25 15:48	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 15:48	1
Chloroprene	<1.00		1.00		ug/L			08/25/25 15:48	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 15:48	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 15:48	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 15:48	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			08/25/25 15:48	1
Ethyl methacrylate	<2.00		2.00		ug/L			08/25/25 15:48	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 15:48	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 15:48	1
m,p-Xylene	<2.00		2.00		ug/L			08/25/25 15:48	1
Methacrylonitrile	<10.0		10.0		ug/L			08/25/25 15:48	1
Methyl methacrylate	<2.00		2.00		ug/L			08/25/25 15:48	1
Methylene Chloride	<5.00		5.00		ug/L			08/25/25 15:48	1

Client Sample ID: MW-32_25_08
Date Collected: 08/20/25 14:40
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<5.00		5.00		ug/L			08/25/25 15:48	1
o-Xylene	<1.00		1.00		ug/L			08/25/25 15:48	1
Propionitrile	<10.0		10.0		ug/L			08/25/25 15:48	1
Styrene	<1.00		1.00		ug/L			08/25/25 15:48	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 15:48	1
Toluene	**57.5**		1.00		ug/L			08/25/25 15:48	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 15:48	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 15:48	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 15:48	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 15:48	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 15:48	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 15:48	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 15:48	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*76 - 130*		*08/25/25 15:48*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/25/25 15:48*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*08/25/25 15:48*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
1,3,5-Trinitrobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
1,3-Dinitrobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
1,4-Naphthoquinone	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 16:17	1
1,4-phenylenediamine	<10.0	*- *1	10.0		ug/L		08/26/25 07:34	09/05/25 16:17	1
1-Naphthylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2,4,5-Trichlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2,4,6-Trichlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2,4-Dichlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2,4-Dimethylphenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2,4-Dinitrophenol	<20.0		20.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2,4-Dinitrotoluene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2,6-Dichlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 16:17	1
2,6-Dinitrotoluene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2-Acetylaminofluorene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2-Chloronaphthalene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2-Chlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2-Methylnaphthalene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2-Methylphenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2-Naphthylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2-Nitroaniline	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2-Nitrophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
3,3'-Dichlorobenzidine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
3,3'-Dimethylbenzidine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
3-Methylcholanthrene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 16:17	1
3-Nitroaniline	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
4,6-Dinitro-2-methylphenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-32_25_08
Date Collected: 08/20/25 14:40
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
4-Bromophenyl phenyl ether	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
4-Chloro-3-methylphenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 16:17	1
4-Chloroaniline	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
4-Chlorophenyl phenyl ether	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Methylphenol, 3 & 4	**73.9**		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
4-Nitroaniline	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
4-Nitrophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
5-Nitro-o-toluidine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 16:17	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Acenaphthene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Acenaphthylene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Acetophenone	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Anthracene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Benzo[a]anthracene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Benzo[a]pyrene	<10.0		10.0		ug/L		08/26/25 07:34	09/07/25 19:01	1
Benzo[b]fluoranthene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 16:17	1
Benzo[g,h,i]perylene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 16:17	1
Benzo[k]fluoranthene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Benzyl alcohol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Bis(2-chloroethoxy)methane	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Bis(2-chloroethyl)ether	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
2,2'-oxybis[1-chloropropane]	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Butyl benzyl phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Chlorobenzilate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Chrysene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Diallate	<10.0	*+	10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Dibenzo(a,h)anthracene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Dibenzofuran	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Diethyl phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Dimethoate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Dimethyl phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Di-n-butyl phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Di-n-octyl phthalate	<20.0		20.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Dinoseb	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Diphenylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Disulfoton	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Ethyl methanesulfonate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Ethyl Parathion	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Famphur	<10.0	*+	10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Fluoranthene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Fluorene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Hexachlorobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Hexachlorobutadiene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Hexachlorocyclopentadiene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 16:17	1
Hexachloroethane	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Hexachloropropene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 16:17	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0		ug/L		08/26/25 07:34	09/07/25 19:01	1

Client Sample ID: MW-32_25_08
Date Collected: 08/20/25 14:40
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Isophorone	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Isosafrole	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Kepone	<10.0	*+ *1	10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Methapyrilene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Methyl methanesulfonate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Methyl parathion	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Nitrobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
N-Nitrosodiethylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
N-Nitrosodimethylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
N-Nitrosodi-n-butylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
N-Nitrosodi-n-propylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
N-Nitrosodiphenylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
N-Nitrosomethylethylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
N-Nitrosopiperidine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
N-Nitrosopyrrolidine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
o-Toluidine	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
p-Dimethylamino azobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Pentachlorobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Pentachloronitrobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 16:17	1
Pentachlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Phenacetin	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Phenanthrene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Phenol	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Phorate	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Pronamide	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Pyrene	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Safrole	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1
Thionazin	<10.0		10.0		ug/L		08/26/25 07:34	09/06/25 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*65*		*21 - 110*	*08/26/25 07:34*	*09/06/25 19:55*	*1*
Phenol-d5 (Surr)	*52*		*21 - 110*	*08/26/25 07:34*	*09/06/25 19:55*	*1*
Nitrobenzene-d5 (Surr)	*81*		*39 - 140*	*08/26/25 07:34*	*09/06/25 19:55*	*1*
2-Fluorobiphenyl (Surr)	*81*		*33 - 126*	*08/26/25 07:34*	*09/06/25 19:55*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*20 - 144*	*08/26/25 07:34*	*09/06/25 19:55*	*1*
Terphenyl-d14 (Surr)	*85*		*13 - 150*	*08/26/25 07:34*	*09/06/25 19:55*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0		mg/L			08/26/25 17:27	1
Isobutanol	<10.0		10.0		mg/L			08/26/25 17:27	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1
4,4'-DDE	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1
4,4'-DDT	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1
Aldrin	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1

Client Sample ID: MW-32_25_08
Date Collected: 08/20/25 14:40
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-5
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1
beta-BHC	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1
Chlordane (technical)	<1.86		1.86		ug/L		08/25/25 13:34	09/03/25 17:13	1
delta-BHC	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1
Dieldrin	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1
Endosulfan I	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1
Endosulfan II	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1
Endosulfan sulfate	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1
Endrin	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1
Endrin aldehyde	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1
gamma-BHC (Lindane)	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1
Heptachlor	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1
Heptachlor epoxide	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1
Methoxychlor	<0.0928		0.0928		ug/L		08/25/25 13:34	09/03/25 17:13	1
Toxaphene	<1.86		1.86		ug/L		08/25/25 13:34	09/03/25 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*10 - 150*	*08/25/25 13:34*	*09/03/25 17:13*	*1*
Tetrachloro-m-xylene	*97*		*17 - 150*	*08/25/25 13:34*	*09/03/25 17:13*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.86		1.86		ug/L		08/25/25 13:34	09/03/25 17:13	1
PCB-1221	<1.86		1.86		ug/L		08/25/25 13:34	09/03/25 17:13	1
PCB-1232	<1.86		1.86		ug/L		08/25/25 13:34	09/03/25 17:13	1
PCB-1242	<1.86		1.86		ug/L		08/25/25 13:34	09/03/25 17:13	1
PCB-1248	<1.86		1.86		ug/L		08/25/25 13:34	09/03/25 17:13	1
PCB-1254	<1.86		1.86		ug/L		08/25/25 13:34	09/03/25 17:13	1
PCB-1260	<1.86		1.86		ug/L		08/25/25 13:34	09/03/25 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*10 - 150*	*08/25/25 13:34*	*09/03/25 17:13*	*1*
Tetrachloro-m-xylene	*99*		*17 - 150*	*08/25/25 13:34*	*09/03/25 17:13*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.960		0.960		ug/L		08/27/25 07:18	08/27/25 19:50	1
Silvex (2,4,5-TP)	<0.960		0.960		ug/L		08/27/25 07:18	08/27/25 19:50	1
2,4,5-T	<0.960		0.960		ug/L		08/27/25 07:18	08/27/25 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*133*	*S1+*	*25 - 130*	*08/27/25 07:18*	*08/27/25 19:50*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 16:58	1
Arsenic	**0.532**		0.00200		mg/L		08/27/25 09:00	08/30/25 16:58	1
Barium	**1.46**		0.00200		mg/L		08/27/25 09:00	08/30/25 16:58	1
Beryllium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:58	1
Cadmium	<0.000200		0.000200		mg/L		08/27/25 09:00	08/30/25 16:58	1
Chromium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:58	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-32_25_08
Date Collected: 08/20/25 14:40
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-5
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00341**		0.000500		mg/L		08/27/25 09:00	08/30/25 16:58	1
Copper	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:58	1
Lead	**0.000541**		0.000500		mg/L		08/27/25 09:00	08/30/25 16:58	1
Nickel	**0.0517**		0.00500		mg/L		08/27/25 09:00	08/30/25 16:58	1
Selenium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:58	1
Silver	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:58	1
Thallium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:58	1
Tin	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:58	1
Vanadium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:58	1
Zinc	**0.0700**		0.0200		mg/L		08/27/25 09:00	08/30/25 16:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		08/27/25 12:30	08/28/25 10:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100		mg/L		08/25/25 09:00	08/27/25 23:59	1
Sulfide (SW846 9034)	<1.00		1.00		mg/L		08/26/25 18:12	08/27/25 02:22	1
Total Suspended Solids (USGS I-3765-85)	**101**		15.0		mg/L			08/25/25 13:14	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-33_25_08
Date Collected: 08/20/25 15:50
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 16:11	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 16:11	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 16:11	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 16:11	1
1,1-Dichloroethane	<1.00		1.00		ug/L			08/25/25 16:11	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 16:11	1
1,1-Dichloropropene	<1.00		1.00		ug/L			08/25/25 16:11	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 16:11	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			08/25/25 16:11	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			08/25/25 16:11	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 16:11	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 16:11	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 16:11	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 16:11	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 16:11	1
1,3-Dichloropropane	<1.00		1.00		ug/L			08/25/25 16:11	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 16:11	1
2,2-Dichloropropane	<4.00		4.00		ug/L			08/25/25 16:11	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 16:11	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 16:11	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 16:11	1
Acetone	<10.0		10.0		ug/L			08/25/25 16:11	1
Acrolein	<10.0		10.0		ug/L			08/25/25 16:11	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 16:11	1
Allyl chloride	<2.00		2.00		ug/L			08/25/25 16:11	1
Benzene	<0.500		0.500		ug/L			08/25/25 16:11	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 16:11	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 16:11	1
Bromoform	<5.00		5.00		ug/L			08/25/25 16:11	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 16:11	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 16:11	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 16:11	1
Chlorobenzene	**4.10**		1.00		ug/L			08/25/25 16:11	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 16:11	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 16:11	1
Chloroform	<3.00		3.00		ug/L			08/25/25 16:11	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 16:11	1
Chloroprene	<1.00		1.00		ug/L			08/25/25 16:11	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 16:11	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 16:11	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 16:11	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			08/25/25 16:11	1
Ethyl methacrylate	<2.00		2.00		ug/L			08/25/25 16:11	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 16:11	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 16:11	1
m,p-Xylene	<2.00		2.00		ug/L			08/25/25 16:11	1
Methacrylonitrile	<10.0		10.0		ug/L			08/25/25 16:11	1
Methyl methacrylate	<2.00		2.00		ug/L			08/25/25 16:11	1
Methylene Chloride	<5.00		5.00		ug/L			08/25/25 16:11	1

Client Sample ID: MW-33_25_08
Date Collected: 08/20/25 15:50
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<5.00		5.00		ug/L			08/25/25 16:11	1
o-Xylene	<1.00		1.00		ug/L			08/25/25 16:11	1
Propionitrile	<10.0		10.0		ug/L			08/25/25 16:11	1
Styrene	<1.00		1.00		ug/L			08/25/25 16:11	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 16:11	1
Toluene	<1.00		1.00		ug/L			08/25/25 16:11	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 16:11	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 16:11	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 16:11	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 16:11	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 16:11	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 16:11	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 16:11	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*76 - 130*		*08/25/25 16:11*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*08/25/25 16:11*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*08/25/25 16:11*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
1,3,5-Trinitrobenzene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
1,3-Dinitrobenzene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
1,4-Naphthoquinone	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 18:28	1
1,4-phenylenediamine	<11.1	*- *1	11.1		ug/L		08/26/25 07:34	09/05/25 18:28	1
1-Naphthylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
2,3,4,6-Tetrachlorophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
2,4,5-Trichlorophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
2,4,6-Trichlorophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
2,4-Dichlorophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
2,4-Dimethylphenol	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
2,4-Dinitrophenol	<22.2		22.2		ug/L		08/26/25 07:34	09/06/25 22:06	1
2,4-Dinitrotoluene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
2,6-Dichlorophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 18:28	1
2,6-Dinitrotoluene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
2-Acetylaminofluorene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
2-Chloronaphthalene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
2-Chlorophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
2-Methylnaphthalene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
2-Methylphenol	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
2-Naphthylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
2-Nitroaniline	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
2-Nitrophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
3,3'-Dichlorobenzidine	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
3,3'-Dimethylbenzidine	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
3-Methylcholanthrene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 18:28	1
3-Nitroaniline	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
4,6-Dinitro-2-methylphenol	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-33_25_08
Date Collected: 08/20/25 15:50
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
4-Bromophenyl phenyl ether	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
4-Chloro-3-methylphenol	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 18:28	1
4-Chloroaniline	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
4-Chlorophenyl phenyl ether	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Methylphenol, 3 & 4	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
4-Nitroaniline	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
4-Nitrophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
5-Nitro-o-toluidine	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 18:28	1
7,12-Dimethylbenz(a)anthracene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Acenaphthene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Acenaphthylene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Acetophenone	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Anthracene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Benzo[a]anthracene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Benzo[a]pyrene	<11.1		11.1		ug/L		08/26/25 07:34	09/07/25 21:28	1
Benzo[b]fluoranthene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 18:28	1
Benzo[g,h,i]perylene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 18:28	1
Benzo[k]fluoranthene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Benzyl alcohol	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Bis(2-chloroethoxy)methane	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Bis(2-chloroethyl)ether	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
2,2'-oxybis[1-chloropropane]	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Bis(2-ethylhexyl) phthalate	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Butyl benzyl phthalate	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Chlorobenzilate	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Chrysene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Diallate	<11.1	*+	11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Dibenzo(a,h)anthracene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Dibenzofuran	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Diethyl phthalate	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Dimethoate	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Dimethyl phthalate	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Di-n-butyl phthalate	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Di-n-octyl phthalate	<22.2		22.2		ug/L		08/26/25 07:34	09/06/25 22:06	1
Dinoseb	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Diphenylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Disulfoton	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Ethyl methanesulfonate	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Ethyl Parathion	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Famphur	<11.1	*+	11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Fluoranthene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Fluorene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Hexachlorobenzene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Hexachlorobutadiene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Hexachlorocyclopentadiene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 18:28	1
Hexachloroethane	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Hexachloropropene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 18:28	1
Indeno[1,2,3-cd]pyrene	<11.1		11.1		ug/L		08/26/25 07:34	09/07/25 21:28	1

Client Sample ID: MW-33_25_08
Date Collected: 08/20/25 15:50
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Isophorone	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Isosafrole	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Kepone	<11.1	*+ *1	11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Methapyrilene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Methyl methanesulfonate	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Methyl parathion	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Nitrobenzene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
N-Nitrosodiethylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
N-Nitrosodimethylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
N-Nitrosodi-n-butylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
N-Nitrosodi-n-propylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
N-Nitrosodiphenylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
N-Nitrosomethylethylamine	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
N-Nitrosopiperidine	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
N-Nitrosopyrrolidine	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
o,o',o''-Triethylphosphorothioate	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
o-Toluidine	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
p-Dimethylamino azobenzene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Pentachlorobenzene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Pentachloronitrobenzene	<11.1		11.1		ug/L		08/26/25 07:34	09/05/25 18:28	1
Pentachlorophenol	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Phenacetin	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Phenanthrene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Phenol	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Phorate	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Pronamide	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Pyrene	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Safrole	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1
Thionazin	<11.1		11.1		ug/L		08/26/25 07:34	09/06/25 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*81*		*21 - 110*	*08/26/25 07:34*	*09/06/25 22:06*	*1*
Phenol-d5 (Surr)	*63*		*21 - 110*	*08/26/25 07:34*	*09/06/25 22:06*	*1*
Nitrobenzene-d5 (Surr)	*96*		*39 - 140*	*08/26/25 07:34*	*09/06/25 22:06*	*1*
2-Fluorobiphenyl (Surr)	*103*		*33 - 126*	*08/26/25 07:34*	*09/06/25 22:06*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*20 - 144*	*08/26/25 07:34*	*09/06/25 22:06*	*1*
Terphenyl-d14 (Surr)	*122*		*13 - 150*	*08/26/25 07:34*	*09/06/25 22:06*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0		mg/L			08/26/25 17:47	1
Isobutanol	<10.0		10.0		mg/L			08/26/25 17:47	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1
4,4'-DDE	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1
4,4'-DDT	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1
Aldrin	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1

Client Sample ID: MW-33_25_08

Date Collected: 08/20/25 15:50
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-6

Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1
beta-BHC	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1
Chlordane (technical)	<1.91	*3	1.91		ug/L		08/25/25 13:34	09/03/25 17:26	1
delta-BHC	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1
Dieldrin	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1
Endosulfan I	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1
Endosulfan II	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1
Endosulfan sulfate	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1
Endrin	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1
Endrin aldehyde	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1
gamma-BHC (Lindane)	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1
Heptachlor	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1
Heptachlor epoxide	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1
Methoxychlor	<0.0956	*3	0.0956		ug/L		08/25/25 13:34	09/03/25 17:26	1
Toxaphene	<1.91	*3	1.91		ug/L		08/25/25 13:34	09/03/25 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*153*	**3 S1+*	*10 - 150*	*08/25/25 13:34*	*09/03/25 17:26*	*1*
Tetrachloro-m-xylene	*173*	**3 S1+*	*17 - 150*	*08/25/25 13:34*	*09/03/25 17:26*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.91	*3	1.91		ug/L		08/25/25 13:34	09/03/25 17:26	1
PCB-1221	<1.91	*3	1.91		ug/L		08/25/25 13:34	09/03/25 17:26	1
PCB-1232	<1.91	*3	1.91		ug/L		08/25/25 13:34	09/03/25 17:26	1
PCB-1242	<1.91	*3	1.91		ug/L		08/25/25 13:34	09/03/25 17:26	1
PCB-1248	<1.91	*3	1.91		ug/L		08/25/25 13:34	09/03/25 17:26	1
PCB-1254	<1.91	*3	1.91		ug/L		08/25/25 13:34	09/03/25 17:26	1
PCB-1260	<1.91	*3	1.91		ug/L		08/25/25 13:34	09/03/25 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*156*	*S1+ *3*	*10 - 150*	*08/25/25 13:34*	*09/03/25 17:26*	*1*
Tetrachloro-m-xylene	*177*	*S1+ *3*	*17 - 150*	*08/25/25 13:34*	*09/03/25 17:26*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<1.03		1.03		ug/L		08/27/25 07:18	08/27/25 20:07	1
Silvex (2,4,5-TP)	<1.03		1.03		ug/L		08/27/25 07:18	08/27/25 20:07	1
2,4,5-T	<1.03		1.03		ug/L		08/27/25 07:18	08/27/25 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*77*		*25 - 130*	*08/27/25 07:18*	*08/27/25 20:07*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 17:01	1
Arsenic	**0.0369**		0.00200		mg/L		08/27/25 09:00	08/30/25 17:01	1
Barium	**0.473**		0.00200		mg/L		08/27/25 09:00	08/30/25 17:01	1
Beryllium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:01	1
Cadmium	<0.000200		0.000200		mg/L		08/27/25 09:00	08/30/25 17:01	1
Chromium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:01	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-33_25_08
Date Collected: 08/20/25 15:50
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-6
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00114**		0.000500		mg/L		08/27/25 09:00	08/30/25 17:01	1
Copper	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:01	1
Lead	<0.000500		0.000500		mg/L		08/27/25 09:00	08/30/25 17:01	1
Nickel	**0.00623**		0.00500		mg/L		08/27/25 09:00	08/30/25 17:01	1
Selenium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:01	1
Silver	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:01	1
Thallium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:01	1
Tin	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:01	1
Vanadium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:01	1
Zinc	<0.0200		0.0200		mg/L		08/27/25 09:00	08/30/25 17:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		08/27/25 12:30	08/28/25 11:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100		mg/L		08/25/25 09:00	08/27/25 23:59	1
Sulfide (SW846 9034)	<1.00		1.00		mg/L		08/26/25 18:14	08/27/25 02:26	1
Total Suspended Solids (USGS I-3765-85)	**13.0**		3.8		mg/L			08/25/25 13:14	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-34_25_08
Date Collected: 08/20/25 13:35
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 16:33	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 16:33	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 16:33	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 16:33	1
1,1-Dichloroethane	<1.00		1.00		ug/L			08/25/25 16:33	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 16:33	1
1,1-Dichloropropene	<1.00		1.00		ug/L			08/25/25 16:33	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 16:33	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			08/25/25 16:33	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			08/25/25 16:33	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 16:33	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 16:33	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 16:33	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 16:33	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 16:33	1
1,3-Dichloropropane	<1.00		1.00		ug/L			08/25/25 16:33	1
1,4-Dichlorobenzene	**1.48**		1.00		ug/L			08/25/25 16:33	1
2,2-Dichloropropane	<4.00		4.00		ug/L			08/25/25 16:33	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 16:33	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 16:33	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 16:33	1
Acetone	**12.7**		10.0		ug/L			08/25/25 16:33	1
Acrolein	<10.0		10.0		ug/L			08/25/25 16:33	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 16:33	1
Allyl chloride	<2.00		2.00		ug/L			08/25/25 16:33	1
Benzene	**0.720**		0.500		ug/L			08/25/25 16:33	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 16:33	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 16:33	1
Bromoform	<5.00		5.00		ug/L			08/25/25 16:33	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 16:33	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 16:33	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 16:33	1
Chlorobenzene	**2.03**		1.00		ug/L			08/25/25 16:33	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 16:33	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 16:33	1
Chloroform	<3.00		3.00		ug/L			08/25/25 16:33	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 16:33	1
Chloroprene	<1.00		1.00		ug/L			08/25/25 16:33	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 16:33	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 16:33	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 16:33	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			08/25/25 16:33	1
Ethyl methacrylate	<2.00		2.00		ug/L			08/25/25 16:33	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 16:33	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 16:33	1
m,p-Xylene	<2.00		2.00		ug/L			08/25/25 16:33	1
Methacrylonitrile	<10.0		10.0		ug/L			08/25/25 16:33	1
Methyl methacrylate	<2.00		2.00		ug/L			08/25/25 16:33	1
Methylene Chloride	<5.00		5.00		ug/L			08/25/25 16:33	1

Client Sample ID: MW-34_25_08
Date Collected: 08/20/25 13:35
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<5.00		5.00		ug/L			08/25/25 16:33	1
o-Xylene	<1.00		1.00		ug/L			08/25/25 16:33	1
Propionitrile	<10.0		10.0		ug/L			08/25/25 16:33	1
Styrene	<1.00		1.00		ug/L			08/25/25 16:33	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 16:33	1
Toluene	**4.62**		1.00		ug/L			08/25/25 16:33	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 16:33	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 16:33	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 16:33	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 16:33	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 16:33	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 16:33	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 16:33	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*122*		*76 - 130*		*08/25/25 16:33*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*08/25/25 16:33*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/25/25 16:33*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
1,3,5-Trinitrobenzene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
1,3-Dinitrobenzene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
1,4-Naphthoquinone	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
1,4-phenylenediamine	<9.80	*- *1	9.80		ug/L		08/26/25 07:34	09/05/25 17:10	1
1-Naphthylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
2,3,4,6-Tetrachlorophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
2,4,5-Trichlorophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
2,4,6-Trichlorophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
2,4-Dichlorophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
2,4-Dimethylphenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
2,4-Dinitrophenol	<19.6		19.6		ug/L		08/26/25 07:34	09/06/25 20:48	1
2,4-Dinitrotoluene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
2,6-Dichlorophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/05/25 17:10	1
2,6-Dinitrotoluene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
2-Acetylaminofluorene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
2-Chloronaphthalene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
2-Chlorophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
2-Methylnaphthalene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
2-Methylphenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
2-Naphthylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
2-Nitroaniline	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
2-Nitrophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
3,3'-Dichlorobenzidine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
3,3'-Dimethylbenzidine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
3-Methylcholanthrene	<9.80		9.80		ug/L		08/26/25 07:34	09/05/25 17:10	1
3-Nitroaniline	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
4,6-Dinitro-2-methylphenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-34_25_08
Date Collected: 08/20/25 13:35
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-7
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
4-Bromophenyl phenyl ether	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
4-Chloro-3-methylphenol	<9.80		9.80		ug/L		08/26/25 07:34	09/05/25 17:10	1
4-Chloroaniline	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
4-Chlorophenyl phenyl ether	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Methylphenol, 3 & 4	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
4-Nitroaniline	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
4-Nitrophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
5-Nitro-o-toluidine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
7,12-Dimethylbenz(a)anthracene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Acenaphthene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Acenaphthylene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Acetophenone	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Anthracene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Benzo[a]anthracene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Benzo[a]pyrene	<9.80		9.80		ug/L		08/26/25 07:34	09/07/25 20:00	1
Benzo[b]fluoranthene	<9.80		9.80		ug/L		08/26/25 07:34	09/05/25 17:10	1
Benzo[g,h,i]perylene	<9.80		9.80		ug/L		08/26/25 07:34	09/05/25 17:10	1
Benzo[k]fluoranthene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Benzyl alcohol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Bis(2-chloroethoxy)methane	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Bis(2-chloroethyl)ether	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
2,2'-oxybis[1-chloropropane]	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Bis(2-ethylhexyl) phthalate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Butyl benzyl phthalate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Chlorobenzilate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Chrysene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Diallate	<9.80	*+	9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Dibenzo(a,h)anthracene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Dibenzofuran	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Diethyl phthalate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Dimethoate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Dimethyl phthalate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Di-n-butyl phthalate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Di-n-octyl phthalate	<19.6		19.6		ug/L		08/26/25 07:34	09/06/25 20:48	1
Dinoseb	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Diphenylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Disulfoton	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Ethyl methanesulfonate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Ethyl Parathion	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Famphur	<9.80	*+	9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Fluoranthene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Fluorene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Hexachlorobenzene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Hexachlorobutadiene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Hexachlorocyclopentadiene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Hexachloroethane	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Hexachloropropene	<9.80		9.80		ug/L		08/26/25 07:34	09/05/25 17:10	1
Indeno[1,2,3-cd]pyrene	<9.80		9.80		ug/L		08/26/25 07:34	09/07/25 20:00	1

Client Sample ID: MW-34_25_08
Date Collected: 08/20/25 13:35
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-7
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Isophorone	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Isosafrole	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Kepone	<9.80	*+ *1	9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Methapyrilene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Methyl methanesulfonate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Methyl parathion	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Nitrobenzene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
N-Nitrosodiethylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
N-Nitrosodimethylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
N-Nitrosodi-n-butylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
N-Nitrosodi-n-propylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
N-Nitrosodiphenylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
N-Nitrosomethylethylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
N-Nitrosopiperidine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
N-Nitrosopyrrolidine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
o,o',o''-Triethylphosphorothioate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
o-Toluidine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
p-Dimethylamino azobenzene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Pentachlorobenzene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Pentachloronitrobenzene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Pentachlorophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Phenacetin	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Phenanthrene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Phenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Phorate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Pronamide	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Pyrene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Safrole	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1
Thionazin	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*61*		*21 - 110*	*08/26/25 07:34*	*09/06/25 20:48*	*1*
Phenol-d5 (Surr)	*50*		*21 - 110*	*08/26/25 07:34*	*09/06/25 20:48*	*1*
Nitrobenzene-d5 (Surr)	*76*		*39 - 140*	*08/26/25 07:34*	*09/06/25 20:48*	*1*
2-Fluorobiphenyl (Surr)	*76*		*33 - 126*	*08/26/25 07:34*	*09/06/25 20:48*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*20 - 144*	*08/26/25 07:34*	*09/06/25 20:48*	*1*
Terphenyl-d14 (Surr)	*86*		*13 - 150*	*08/26/25 07:34*	*09/06/25 20:48*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0		mg/L			08/26/25 18:08	1
Isobutanol	<10.0		10.0		mg/L			08/26/25 18:08	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1
4,4'-DDE	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1
4,4'-DDT	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1
Aldrin	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1

Client Sample ID: MW-34_25_08
Date Collected: 08/20/25 13:35
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-7
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1
beta-BHC	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1
Chlordane (technical)	<1.89	*3	1.89		ug/L		08/25/25 13:34	09/02/25 14:09	1
delta-BHC	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1
Dieldrin	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1
Endosulfan I	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1
Endosulfan II	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1
Endosulfan sulfate	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1
Endrin	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1
Endrin aldehyde	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1
gamma-BHC (Lindane)	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1
Heptachlor	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1
Heptachlor epoxide	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1
Methoxychlor	<0.0946	*3	0.0946		ug/L		08/25/25 13:34	09/02/25 14:09	1
Toxaphene	<1.89	*3	1.89		ug/L		08/25/25 13:34	09/02/25 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*165*	**3 S1+*	*10 - 150*	*08/25/25 13:34*	*09/02/25 14:09*	*1*
Tetrachloro-m-xylene	*182*	**3 S1+*	*17 - 150*	*08/25/25 13:34*	*09/02/25 14:09*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.89	*3	1.89		ug/L		08/25/25 13:34	09/02/25 14:09	1
PCB-1221	<1.89	*3	1.89		ug/L		08/25/25 13:34	09/02/25 14:09	1
PCB-1232	<1.89	*3	1.89		ug/L		08/25/25 13:34	09/02/25 14:09	1
PCB-1242	<1.89	*3	1.89		ug/L		08/25/25 13:34	09/02/25 14:09	1
PCB-1248	<1.89	*3	1.89		ug/L		08/25/25 13:34	09/02/25 14:09	1
PCB-1254	<1.89	*3	1.89		ug/L		08/25/25 13:34	09/02/25 14:09	1
PCB-1260	<1.89	*3	1.89		ug/L		08/25/25 13:34	09/02/25 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*168*	**3 S1+*	*10 - 150*	*08/25/25 13:34*	*09/02/25 14:09*	*1*
Tetrachloro-m-xylene	*186*	**3 S1+*	*17 - 150*	*08/25/25 13:34*	*09/02/25 14:09*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.955		0.955		ug/L		08/27/25 07:18	08/27/25 20:25	1
Silvex (2,4,5-TP)	<0.955		0.955		ug/L		08/27/25 07:18	08/27/25 20:25	1
2,4,5-T	<0.955		0.955		ug/L		08/27/25 07:18	08/27/25 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*149*	*S1+*	*25 - 130*	*08/27/25 07:18*	*08/27/25 20:25*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 17:04	1
Arsenic	**0.0469**		0.00200		mg/L		08/27/25 09:00	08/30/25 17:04	1
Barium	**0.302**		0.00200		mg/L		08/27/25 09:00	08/30/25 17:04	1
Beryllium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:04	1
Cadmium	<0.000200		0.000200		mg/L		08/27/25 09:00	08/30/25 17:04	1
Chromium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:04	1

Client Sample ID: MW-34_25_08
Date Collected: 08/20/25 13:35
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-7
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00695**		0.000500		mg/L		08/27/25 09:00	08/30/25 17:04	1
Copper	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:04	1
Lead	**0.000526**		0.000500		mg/L		08/27/25 09:00	08/30/25 17:04	1
Nickel	**0.0462**		0.00500		mg/L		08/27/25 09:00	08/30/25 17:04	1
Selenium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:04	1
Silver	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:04	1
Thallium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:04	1
Tin	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:04	1
Vanadium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:04	1
Zinc	<0.0200		0.0200		mg/L		08/27/25 09:00	08/30/25 17:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		08/27/25 12:30	08/28/25 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100		mg/L		08/25/25 09:00	08/27/25 23:59	1
Sulfide (SW846 9034)	<1.00		1.00		mg/L		08/26/25 18:17	08/27/25 02:31	1
Total Suspended Solids (USGS I-3765-85)	**72.0**		15.0		mg/L			08/25/25 13:14	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-104B_25_08
Date Collected: 08/20/25 16:45
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-8
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 17:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	11.6		1.9		mg/L			08/25/25 13:14	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-105A_25_08
Date Collected: 08/20/25 11:05
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 16:56	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 16:56	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 16:56	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 16:56	1
1,1-Dichloroethane	<1.00		1.00		ug/L			08/25/25 16:56	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 16:56	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 16:56	1
1,2-Dibromo-3-chloropropane	<5.00		5.00		ug/L			08/25/25 16:56	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 16:56	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 16:56	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 16:56	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 16:56	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 16:56	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 16:56	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 16:56	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 16:56	1
Acetone	<10.0		10.0		ug/L			08/25/25 16:56	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 16:56	1
Benzene	<0.500		0.500		ug/L			08/25/25 16:56	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 16:56	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 16:56	1
Bromoform	<5.00		5.00		ug/L			08/25/25 16:56	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 16:56	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 16:56	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 16:56	1
Chlorobenzene	<1.00		1.00		ug/L			08/25/25 16:56	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 16:56	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 16:56	1
Chloroform	<3.00		3.00		ug/L			08/25/25 16:56	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 16:56	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 16:56	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 16:56	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 16:56	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 16:56	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 16:56	1
Methylene chloride	<5.00		5.00		ug/L			08/25/25 16:56	1
Styrene	<1.00		1.00		ug/L			08/25/25 16:56	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 16:56	1
Toluene	<1.00		1.00		ug/L			08/25/25 16:56	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 16:56	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 16:56	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 16:56	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 16:56	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 16:56	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 16:56	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 16:56	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*121*		*76 - 130*		*08/25/25 16:56*	*1*

Client Sample ID: MW-105A_25_08
Date Collected: 08/20/25 11:05
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*08/25/25 16:56*	*1*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*08/25/25 16:56*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 17:10	1
Arsenic	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 17:10	1
Barium	**0.0453**		0.00200		mg/L		08/27/25 09:00	08/30/25 17:10	1
Beryllium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:10	1
Cadmium	<0.000200		0.000200		mg/L		08/27/25 09:00	08/30/25 17:10	1
Chromium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:10	1
Cobalt	**0.00325**		0.000500		mg/L		08/27/25 09:00	08/30/25 17:10	1
Copper	**0.00546**		0.00500		mg/L		08/27/25 09:00	08/30/25 17:10	1
Lead	<0.000500		0.000500		mg/L		08/27/25 09:00	08/30/25 17:10	1
Nickel	**0.00831**		0.00500		mg/L		08/27/25 09:00	08/30/25 17:10	1
Selenium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:10	1
Silver	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:10	1
Thallium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:10	1
Vanadium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:10	1
Zinc	<0.0200		0.0200		mg/L		08/27/25 09:00	08/30/25 17:10	1
Tin	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			08/25/25 12:16	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-105B_25_08
Date Collected: 08/20/25 11:35
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 17:18	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 17:18	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 17:18	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 17:18	1
1,1-Dichloroethane	**3.84**		1.00		ug/L			08/25/25 17:18	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 17:18	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 17:18	1
1,2-Dibromo-3-chloropropane	<5.00		5.00		ug/L			08/25/25 17:18	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 17:18	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 17:18	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 17:18	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 17:18	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 17:18	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 17:18	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 17:18	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 17:18	1
Acetone	<10.0		10.0		ug/L			08/25/25 17:18	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 17:18	1
Benzene	<0.500		0.500		ug/L			08/25/25 17:18	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 17:18	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 17:18	1
Bromoform	<5.00		5.00		ug/L			08/25/25 17:18	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 17:18	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 17:18	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 17:18	1
Chlorobenzene	<1.00		1.00		ug/L			08/25/25 17:18	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 17:18	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 17:18	1
Chloroform	<3.00		3.00		ug/L			08/25/25 17:18	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 17:18	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 17:18	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 17:18	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 17:18	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 17:18	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 17:18	1
Methylene chloride	<5.00		5.00		ug/L			08/25/25 17:18	1
Styrene	<1.00		1.00		ug/L			08/25/25 17:18	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 17:18	1
Toluene	<1.00		1.00		ug/L			08/25/25 17:18	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 17:18	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 17:18	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 17:18	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 17:18	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 17:18	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 17:18	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 17:18	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*124*		*76 - 130*		*08/25/25 17:18*	*1*

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-105B_25_08

Date Collected: 08/20/25 11:35
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-10

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*08/25/25 17:18*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*08/25/25 17:18*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 17:13	1
Arsenic	**0.00442**		0.00200		mg/L		08/27/25 09:00	08/30/25 17:13	1
Barium	**0.111**		0.00200		mg/L		08/27/25 09:00	08/30/25 17:13	1
Beryllium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:13	1
Cadmium	<0.000200		0.000200		mg/L		08/27/25 09:00	08/30/25 17:13	1
Chromium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:13	1
Cobalt	**0.00455**		0.000500		mg/L		08/27/25 09:00	08/30/25 17:13	1
Copper	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:13	1
Lead	<0.000500		0.000500		mg/L		08/27/25 09:00	08/30/25 17:13	1
Nickel	**0.0135**		0.00500		mg/L		08/27/25 09:00	08/30/25 17:13	1
Selenium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:13	1
Silver	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:13	1
Thallium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:13	1
Vanadium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:13	1
Zinc	<0.0200		0.0200		mg/L		08/27/25 09:00	08/30/25 17:13	1
Tin	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			08/25/25 12:16	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-109A_25_08
Date Collected: 08/20/25 17:35
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 17:40	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 17:40	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 17:40	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 17:40	1
1,1-Dichloroethane	<1.00		1.00		ug/L			08/25/25 17:40	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 17:40	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 17:40	1
1,2-Dibromo-3-chloropropane	<5.00		5.00		ug/L			08/25/25 17:40	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 17:40	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 17:40	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 17:40	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 17:40	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 17:40	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 17:40	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 17:40	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 17:40	1
Acetone	<10.0		10.0		ug/L			08/25/25 17:40	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 17:40	1
Benzene	<0.500		0.500		ug/L			08/25/25 17:40	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 17:40	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 17:40	1
Bromoform	<5.00		5.00		ug/L			08/25/25 17:40	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 17:40	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 17:40	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 17:40	1
Chlorobenzene	<1.00		1.00		ug/L			08/25/25 17:40	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 17:40	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 17:40	1
Chloroform	<3.00		3.00		ug/L			08/25/25 17:40	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 17:40	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 17:40	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 17:40	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 17:40	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 17:40	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 17:40	1
Methylene chloride	<5.00		5.00		ug/L			08/25/25 17:40	1
Styrene	<1.00		1.00		ug/L			08/25/25 17:40	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 17:40	1
Toluene	<1.00		1.00		ug/L			08/25/25 17:40	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 17:40	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 17:40	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 17:40	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 17:40	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 17:40	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 17:40	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 17:40	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*122*		*76 - 130*		*08/25/25 17:40*	*1*

Client Sample ID: MW-109A_25_08
Date Collected: 08/20/25 17:35
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*08/25/25 17:40*	*1*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*08/25/25 17:40*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 17:16	1
Arsenic	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 17:16	1
Barium	**0.199**		0.00200		mg/L		08/27/25 09:00	08/30/25 17:16	1
Beryllium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:16	1
Cadmium	<0.000200		0.000200		mg/L		08/27/25 09:00	08/30/25 17:16	1
Chromium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:16	1
Cobalt	<0.000500		0.000500		mg/L		08/27/25 09:00	08/30/25 17:16	1
Copper	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:16	1
Lead	<0.000500		0.000500		mg/L		08/27/25 09:00	08/30/25 17:16	1
Nickel	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:16	1
Selenium	**0.00720**		0.00500		mg/L		08/27/25 09:00	08/30/25 17:16	1
Silver	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:16	1
Thallium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:16	1
Vanadium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:16	1
Zinc	<0.0200		0.0200		mg/L		08/27/25 09:00	08/30/25 17:16	1
Tin	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			08/25/25 12:16	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-109B_25_08
Date Collected: 08/20/25 16:55
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 18:03	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 18:03	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 18:03	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 18:03	1
1,1-Dichloroethane	<1.00		1.00		ug/L			08/25/25 18:03	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 18:03	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 18:03	1
1,2-Dibromo-3-chloropropane	<5.00		5.00		ug/L			08/25/25 18:03	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 18:03	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 18:03	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 18:03	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 18:03	1
1,4-Dichlorobenzene	**1.49**		1.00		ug/L			08/25/25 18:03	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 18:03	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 18:03	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 18:03	1
Acetone	<10.0		10.0		ug/L			08/25/25 18:03	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 18:03	1
Benzene	<0.500		0.500		ug/L			08/25/25 18:03	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 18:03	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 18:03	1
Bromoform	<5.00		5.00		ug/L			08/25/25 18:03	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 18:03	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 18:03	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 18:03	1
Chlorobenzene	**6.62**		1.00		ug/L			08/25/25 18:03	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 18:03	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 18:03	1
Chloroform	<3.00		3.00		ug/L			08/25/25 18:03	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 18:03	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 18:03	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 18:03	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 18:03	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 18:03	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 18:03	1
Methylene chloride	<5.00		5.00		ug/L			08/25/25 18:03	1
Styrene	<1.00		1.00		ug/L			08/25/25 18:03	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 18:03	1
Toluene	<1.00		1.00		ug/L			08/25/25 18:03	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 18:03	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 18:03	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 18:03	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 18:03	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 18:03	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 18:03	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 18:03	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*76 - 130*		*08/25/25 18:03*	*1*

Client Sample ID: MW-109B_25_08
Date Collected: 08/20/25 16:55
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*08/25/25 18:03*	*1*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*08/25/25 18:03*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 17:27	1
Arsenic	**0.0192**		0.00200		mg/L		08/27/25 09:00	08/30/25 17:27	1
Barium	**0.646**		0.00200		mg/L		08/27/25 09:00	08/30/25 17:27	1
Beryllium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:27	1
Cadmium	<0.000200		0.000200		mg/L		08/27/25 09:00	08/30/25 17:27	1
Chromium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:27	1
Cobalt	**0.0155**		0.000500		mg/L		08/27/25 09:00	08/30/25 17:27	1
Copper	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:27	1
Lead	<0.000500		0.000500		mg/L		08/27/25 09:00	08/30/25 17:27	1
Nickel	**0.0335**		0.00500		mg/L		08/27/25 09:00	08/30/25 17:27	1
Selenium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:27	1
Silver	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:27	1
Thallium	**0.00425**		0.00100		mg/L		08/27/25 09:00	08/30/25 17:27	1
Vanadium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:27	1
Zinc	<0.0200		0.0200		mg/L		08/27/25 09:00	08/30/25 17:27	1
Tin	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**10.3**		3.8		mg/L			08/25/25 12:16	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: FD-3_25_08
Date Collected: 08/20/25 00:00
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 18:26	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 18:26	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 18:26	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 18:26	1
1,1-Dichloroethane	**2.76**		1.00		ug/L			08/25/25 18:26	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 18:26	1
1,1-Dichloropropene	<1.00		1.00		ug/L			08/25/25 18:26	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 18:26	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			08/25/25 18:26	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			08/25/25 18:26	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 18:26	1
1,2-Dichlorobenzene	**2.77**		1.00		ug/L			08/25/25 18:26	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 18:26	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 18:26	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 18:26	1
1,3-Dichloropropane	<1.00		1.00		ug/L			08/25/25 18:26	1
1,4-Dichlorobenzene	**9.01**		1.00		ug/L			08/25/25 18:26	1
2,2-Dichloropropane	<4.00		4.00		ug/L			08/25/25 18:26	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 18:26	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 18:26	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 18:26	1
Acetone	<10.0		10.0		ug/L			08/25/25 18:26	1
Acrolein	<10.0		10.0		ug/L			08/25/25 18:26	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 18:26	1
Allyl chloride	<2.00		2.00		ug/L			08/25/25 18:26	1
Benzene	<0.500		0.500		ug/L			08/25/25 18:26	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 18:26	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 18:26	1
Bromoform	<5.00		5.00		ug/L			08/25/25 18:26	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 18:26	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 18:26	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 18:26	1
Chlorobenzene	**3.67**		1.00		ug/L			08/25/25 18:26	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 18:26	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 18:26	1
Chloroform	<3.00		3.00		ug/L			08/25/25 18:26	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 18:26	1
Chloroprene	<1.00		1.00		ug/L			08/25/25 18:26	1
cis-1,2-Dichloroethene	**3.18**		1.00		ug/L			08/25/25 18:26	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 18:26	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 18:26	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			08/25/25 18:26	1
Ethyl methacrylate	<2.00		2.00		ug/L			08/25/25 18:26	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 18:26	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 18:26	1
m,p-Xylene	<2.00		2.00		ug/L			08/25/25 18:26	1
Methacrylonitrile	<10.0		10.0		ug/L			08/25/25 18:26	1
Methyl methacrylate	<2.00		2.00		ug/L			08/25/25 18:26	1
Methylene Chloride	<5.00		5.00		ug/L			08/25/25 18:26	1

Client Sample ID: FD-3_25_08
Date Collected: 08/20/25 00:00
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<5.00		5.00		ug/L			08/25/25 18:26	1
o-Xylene	<1.00		1.00		ug/L			08/25/25 18:26	1
Propionitrile	<10.0		10.0		ug/L			08/25/25 18:26	1
Styrene	<1.00		1.00		ug/L			08/25/25 18:26	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 18:26	1
Toluene	<1.00		1.00		ug/L			08/25/25 18:26	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 18:26	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 18:26	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 18:26	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 18:26	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 18:26	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 18:26	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 18:26	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*122*		*76 - 130*		*08/25/25 18:26*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*08/25/25 18:26*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*08/25/25 18:26*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
1,3,5-Trinitrobenzene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
1,3-Dinitrobenzene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
1,4-Naphthoquinone	<9.80		9.80		ug/L		08/26/25 07:34	09/05/25 15:24	1
1,4-phenylenediamine	<9.80	*- *1	9.80		ug/L		08/26/25 07:34	09/05/25 15:24	1
1-Naphthylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
2,3,4,6-Tetrachlorophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
2,4,5-Trichlorophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
2,4,6-Trichlorophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
2,4-Dichlorophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
2,4-Dimethylphenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
2,4-Dinitrophenol	<19.6		19.6		ug/L		08/26/25 07:34	09/06/25 19:03	1
2,4-Dinitrotoluene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
2,6-Dichlorophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/05/25 15:24	1
2,6-Dinitrotoluene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
2-Acetylaminofluorene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
2-Chloronaphthalene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
2-Chlorophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
2-Methylnaphthalene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
2-Methylphenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
2-Naphthylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
2-Nitroaniline	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
2-Nitrophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
3,3'-Dichlorobenzidine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
3,3'-Dimethylbenzidine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
3-Methylcholanthrene	<9.80		9.80		ug/L		08/26/25 07:34	09/05/25 15:24	1
3-Nitroaniline	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
4,6-Dinitro-2-methylphenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: FD-3_25_08
Date Collected: 08/20/25 00:00
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-13
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
4-Bromophenyl phenyl ether	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
4-Chloro-3-methylphenol	<9.80		9.80		ug/L		08/26/25 07:34	09/05/25 15:24	1
4-Chloroaniline	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
4-Chlorophenyl phenyl ether	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Methylphenol, 3 & 4	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
4-Nitroaniline	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
4-Nitrophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
5-Nitro-o-toluidine	<9.80		9.80		ug/L		08/26/25 07:34	09/05/25 15:24	1
7,12-Dimethylbenz(a)anthracene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Acenaphthene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Acenaphthylene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Acetophenone	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Anthracene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Benzo[a]anthracene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Benzo[a]pyrene	<9.80		9.80		ug/L		08/26/25 07:34	09/07/25 18:02	1
Benzo[b]fluoranthene	<9.80		9.80		ug/L		08/26/25 07:34	09/05/25 15:24	1
Benzo[g,h,i]perylene	<9.80		9.80		ug/L		08/26/25 07:34	09/05/25 15:24	1
Benzo[k]fluoranthene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Benzyl alcohol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Bis(2-chloroethoxy)methane	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Bis(2-chloroethyl)ether	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
2,2'-oxybis[1-chloropropane]	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Bis(2-ethylhexyl) phthalate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Butyl benzyl phthalate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Chlorobenzilate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Chrysene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Diallate	<9.80	*+	9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Dibenzo(a,h)anthracene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Dibenzofuran	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Diethyl phthalate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Dimethoate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Dimethyl phthalate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Di-n-butyl phthalate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Di-n-octyl phthalate	<19.6		19.6		ug/L		08/26/25 07:34	09/06/25 19:03	1
Dinoseb	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Diphenylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Disulfoton	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Ethyl methanesulfonate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Ethyl Parathion	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Famphur	<9.80	*+	9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Fluoranthene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Fluorene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Hexachlorobenzene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Hexachlorobutadiene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Hexachlorocyclopentadiene	<9.80		9.80		ug/L		08/26/25 07:34	09/05/25 15:24	1
Hexachloroethane	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Hexachloropropene	<9.80		9.80		ug/L		08/26/25 07:34	09/05/25 15:24	1
Indeno[1,2,3-cd]pyrene	<9.80		9.80		ug/L		08/26/25 07:34	09/07/25 18:02	1

Client Sample ID: FD-3_25_08
Date Collected: 08/20/25 00:00
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-13
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Isophorone	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Isosafrole	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Kepone	<9.80	*+ *1	9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Methapyrilene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Methyl methanesulfonate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Methyl parathion	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Nitrobenzene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
N-Nitrosodiethylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
N-Nitrosodimethylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
N-Nitrosodi-n-butylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
N-Nitrosodi-n-propylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
N-Nitrosodiphenylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
N-Nitrosomethylethylamine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
N-Nitrosopiperidine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
N-Nitrosopyrrolidine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
o,o',o''-Triethylphosphorothioate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
o-Toluidine	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
p-Dimethylamino azobenzene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Pentachlorobenzene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Pentachloronitrobenzene	<9.80		9.80		ug/L		08/26/25 07:34	09/05/25 15:24	1
Pentachlorophenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Phenacetin	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Phenanthrene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Phenol	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Phorate	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Pronamide	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Pyrene	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Safrole	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1
Thionazin	<9.80		9.80		ug/L		08/26/25 07:34	09/06/25 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*60*		*21 - 110*	*08/26/25 07:34*	*09/06/25 19:03*	*1*
Phenol-d5 (Surr)	*48*		*21 - 110*	*08/26/25 07:34*	*09/06/25 19:03*	*1*
Nitrobenzene-d5 (Surr)	*78*		*39 - 140*	*08/26/25 07:34*	*09/06/25 19:03*	*1*
2-Fluorobiphenyl (Surr)	*80*		*33 - 126*	*08/26/25 07:34*	*09/06/25 19:03*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*20 - 144*	*08/26/25 07:34*	*09/06/25 19:03*	*1*
Terphenyl-d14 (Surr)	*73*		*13 - 150*	*08/26/25 07:34*	*09/06/25 19:03*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0		mg/L			08/26/25 18:28	1
Isobutanol	<10.0		10.0		mg/L			08/26/25 18:28	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1
4,4'-DDE	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1
4,4'-DDT	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1
Aldrin	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1

Client Sample ID: FD-3_25_08
Date Collected: 08/20/25 00:00
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-13
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1
beta-BHC	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1
Chlordane (technical)	<1.88		1.88		ug/L		08/27/25 12:40	08/28/25 12:59	1
delta-BHC	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1
Dieldrin	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1
Endosulfan I	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1
Endosulfan II	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1
Endosulfan sulfate	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1
Endrin	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1
Endrin aldehyde	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1
gamma-BHC (Lindane)	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1
Heptachlor	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1
Heptachlor epoxide	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1
Methoxychlor	<0.0941		0.0941		ug/L		08/27/25 12:40	08/28/25 12:59	1
Toxaphene	<1.88		1.88		ug/L		08/27/25 12:40	08/28/25 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*10 - 150*	*08/27/25 12:40*	*08/28/25 12:59*	*1*
Tetrachloro-m-xylene	*105*		*17 - 150*	*08/27/25 12:40*	*08/28/25 12:59*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.88		1.88		ug/L		08/27/25 12:40	08/27/25 20:24	1
PCB-1221	<1.88		1.88		ug/L		08/27/25 12:40	08/27/25 20:24	1
PCB-1232	<1.88		1.88		ug/L		08/27/25 12:40	08/27/25 20:24	1
PCB-1242	<1.88		1.88		ug/L		08/27/25 12:40	08/27/25 20:24	1
PCB-1248	<1.88		1.88		ug/L		08/27/25 12:40	08/27/25 20:24	1
PCB-1254	<1.88		1.88		ug/L		08/27/25 12:40	08/27/25 20:24	1
PCB-1260	<1.88		1.88		ug/L		08/27/25 12:40	08/27/25 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*10 - 150*	*08/27/25 12:40*	*08/27/25 20:24*	*1*
Tetrachloro-m-xylene	*103*		*17 - 150*	*08/27/25 12:40*	*08/27/25 20:24*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<1.00		1.00		ug/L		08/27/25 07:18	08/27/25 20:43	1
Silvex (2,4,5-TP)	<1.00		1.00		ug/L		08/27/25 07:18	08/27/25 20:43	1
2,4,5-T	<1.00		1.00		ug/L		08/27/25 07:18	08/27/25 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*245*	*S1+*	*25 - 130*	*08/27/25 07:18*	*08/27/25 20:43*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 17:30	1
Arsenic	**0.120**		0.00200		mg/L		08/27/25 09:00	08/30/25 17:30	1
Barium	**0.526**		0.00200		mg/L		08/27/25 09:00	08/30/25 17:30	1
Beryllium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:30	1
Cadmium	<0.000200		0.000200		mg/L		08/27/25 09:00	08/30/25 17:30	1
Chromium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:30	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: FD-3_25_08
Date Collected: 08/20/25 00:00
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-13
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00368**		0.000500		mg/L		08/27/25 09:00	08/30/25 17:30	1
Copper	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:30	1
Lead	<0.000500		0.000500		mg/L		08/27/25 09:00	08/30/25 17:30	1
Nickel	**0.0819**		0.00500		mg/L		08/27/25 09:00	08/30/25 17:30	1
Selenium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:30	1
Silver	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:30	1
Thallium	**0.00223**		0.00100		mg/L		08/27/25 09:00	08/30/25 17:30	1
Tin	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:30	1
Vanadium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:30	1
Zinc	<0.0200		0.0200		mg/L		08/27/25 09:00	08/30/25 17:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		08/27/25 12:30	08/28/25 11:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100		mg/L		08/25/25 09:00	08/28/25 00:02	1
Sulfide (SW846 9034)	<1.00		1.00		mg/L		08/26/25 18:19	08/27/25 02:35	1
Total Suspended Solids (USGS I-3765-85)	**51.0**		15.0		mg/L			08/25/25 12:16	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: FD-4_25_08
Date Collected: 08/20/25 00:00
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-14
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 18:48	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 18:48	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 18:48	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 18:48	1
1,1-Dichloroethane	**2.09**		1.00		ug/L			08/25/25 18:48	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 18:48	1
1,1-Dichloropropene	<1.00		1.00		ug/L			08/25/25 18:48	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 18:48	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			08/25/25 18:48	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			08/25/25 18:48	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 18:48	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 18:48	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 18:48	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 18:48	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 18:48	1
1,3-Dichloropropane	<1.00		1.00		ug/L			08/25/25 18:48	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 18:48	1
2,2-Dichloropropane	<4.00		4.00		ug/L			08/25/25 18:48	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 18:48	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 18:48	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 18:48	1
Acetone	<10.0		10.0		ug/L			08/25/25 18:48	1
Acrolein	<10.0		10.0		ug/L			08/25/25 18:48	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 18:48	1
Allyl chloride	<2.00		2.00		ug/L			08/25/25 18:48	1
Benzene	<0.500		0.500		ug/L			08/25/25 18:48	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 18:48	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 18:48	1
Bromoform	<5.00		5.00		ug/L			08/25/25 18:48	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 18:48	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 18:48	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 18:48	1
Chlorobenzene	<1.00		1.00		ug/L			08/25/25 18:48	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 18:48	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 18:48	1
Chloroform	<3.00		3.00		ug/L			08/25/25 18:48	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 18:48	1
Chloroprene	<1.00		1.00		ug/L			08/25/25 18:48	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 18:48	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 18:48	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 18:48	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			08/25/25 18:48	1
Ethyl methacrylate	<2.00		2.00		ug/L			08/25/25 18:48	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 18:48	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 18:48	1
m,p-Xylene	<2.00		2.00		ug/L			08/25/25 18:48	1
Methacrylonitrile	<10.0		10.0		ug/L			08/25/25 18:48	1
Methyl methacrylate	<2.00		2.00		ug/L			08/25/25 18:48	1
Methylene Chloride	<5.00		5.00		ug/L			08/25/25 18:48	1

Client Sample ID: FD-4_25_08
Date Collected: 08/20/25 00:00
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-14
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<5.00		5.00		ug/L			08/25/25 18:48	1
o-Xylene	<1.00		1.00		ug/L			08/25/25 18:48	1
Propionitrile	<10.0		10.0		ug/L			08/25/25 18:48	1
Styrene	<1.00		1.00		ug/L			08/25/25 18:48	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 18:48	1
Toluene	<1.00		1.00		ug/L			08/25/25 18:48	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 18:48	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 18:48	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 18:48	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 18:48	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 18:48	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 18:48	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 18:48	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*76 - 130*		*08/25/25 18:48*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*08/25/25 18:48*	*1*
4-Bromofluorobenzene (Surr)	*114*		*80 - 120*		*08/25/25 18:48*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
1,3,5-Trinitrobenzene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
1,3-Dinitrobenzene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
1,4-Naphthoquinone	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
1,4-phenylenediamine	<9.62	*-	9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
1-Naphthylamine	<9.62	*1	9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2,3,4,6-Tetrachlorophenol	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2,4,5-Trichlorophenol	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2,4,6-Trichlorophenol	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2,4-Dichlorophenol	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2,4-Dimethylphenol	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2,4-Dinitrophenol	<19.2		19.2		ug/L		08/27/25 07:17	09/04/25 22:29	1
2,4-Dinitrotoluene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2,6-Dichlorophenol	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2,6-Dinitrotoluene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2-Acetylaminofluorene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2-Chloronaphthalene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2-Chlorophenol	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2-Methylnaphthalene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2-Methylphenol	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2-Naphthylamine	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2-Nitroaniline	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2-Nitrophenol	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
3,3'-Dichlorobenzidine	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
3,3'-Dimethylbenzidine	<9.62	*1	9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
3-Methylcholanthrene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
3-Nitroaniline	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
4,6-Dinitro-2-methylphenol	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: FD-4_25_08
Date Collected: 08/20/25 00:00
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-14
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
4-Bromophenyl phenyl ether	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
4-Chloro-3-methylphenol	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
4-Chloroaniline	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
4-Chlorophenyl phenyl ether	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Methylphenol, 3 & 4	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
4-Nitroaniline	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
4-Nitrophenol	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
5-Nitro-o-toluidine	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
7,12-Dimethylbenz(a)anthracene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Acenaphthene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Acenaphthylene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Acetophenone	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Anthracene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Benzo[a]anthracene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Benzo[a]pyrene	<9.62		9.62		ug/L		08/27/25 07:17	08/29/25 16:40	1
Benzo[b]fluoranthene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Benzo[g,h,i]perylene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Benzo[k]fluoranthene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Benzyl alcohol	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Bis(2-chloroethoxy)methane	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Bis(2-chloroethyl)ether	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
2,2'-oxybis[1-chloropropane]	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Bis(2-ethylhexyl) phthalate	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Butyl benzyl phthalate	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Chlorobenzilate	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Chrysene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Diallate	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Dibenzo(a,h)anthracene	<9.62		9.62		ug/L		08/27/25 07:17	08/29/25 16:40	1
Dibenzofuran	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Diethyl phthalate	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Dimethoate	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Dimethyl phthalate	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Di-n-butyl phthalate	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Di-n-octyl phthalate	<19.2		19.2		ug/L		08/27/25 07:17	09/04/25 22:29	1
Dinoseb	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Diphenylamine	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Disulfoton	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Ethyl methanesulfonate	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Ethyl Parathion	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Famphur	<9.62	*+	9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Fluoranthene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Fluorene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Hexachlorobenzene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Hexachlorobutadiene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Hexachlorocyclopentadiene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Hexachloroethane	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Hexachloropropene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Indeno[1,2,3-cd]pyrene	<9.62		9.62		ug/L		08/27/25 07:17	08/29/25 16:40	1

Client Sample ID: FD-4_25_08
Date Collected: 08/20/25 00:00
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-14
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Isophorone	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Isosafrole	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Kepone	<9.62	*+	9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Methapyrilene	<9.62	*- *1	9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Methyl methanesulfonate	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Methyl parathion	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Nitrobenzene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
N-Nitrosodiethylamine	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
N-Nitrosodimethylamine	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
N-Nitrosodi-n-butylamine	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
N-Nitrosodi-n-propylamine	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
N-Nitrosodiphenylamine	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
N-Nitrosomethylethylamine	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
N-Nitrosopiperidine	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
N-Nitrosopyrrolidine	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
o,o',o''-Triethylphosphorothioate	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
o-Toluidine	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
p-Dimethylamino azobenzene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Pentachlorobenzene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Pentachloronitrobenzene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Pentachlorophenol	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Phenacetin	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Phenanthrene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Phenol	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Phorate	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Pronamide	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Pyrene	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Safrole	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1
Thionazin	<9.62		9.62		ug/L		08/27/25 07:17	09/04/25 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*62*		*21 - 110*	*08/27/25 07:17*	*09/04/25 22:29*	*1*
Phenol-d5 (Surr)	*53*		*21 - 110*	*08/27/25 07:17*	*09/04/25 22:29*	*1*
Nitrobenzene-d5 (Surr)	*90*		*39 - 140*	*08/27/25 07:17*	*09/04/25 22:29*	*1*
2-Fluorobiphenyl (Surr)	*91*		*33 - 126*	*08/27/25 07:17*	*09/04/25 22:29*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*20 - 144*	*08/27/25 07:17*	*09/04/25 22:29*	*1*
Terphenyl-d14 (Surr)	*122*		*13 - 150*	*08/27/25 07:17*	*09/04/25 22:29*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0		mg/L			08/26/25 18:51	1
Isobutanol	<10.0		10.0		mg/L			08/26/25 18:51	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1
4,4'-DDE	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1
4,4'-DDT	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1
Aldrin	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1

Client Sample ID: FD-4_25_08
Date Collected: 08/20/25 00:00
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-14
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1
beta-BHC	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1
Chlordane (technical)	<1.84		1.84		ug/L		08/27/25 12:40	08/28/25 13:12	1
delta-BHC	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1
Dieldrin	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1
Endosulfan I	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1
Endosulfan II	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1
Endosulfan sulfate	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1
Endrin	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1
Endrin aldehyde	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1
gamma-BHC (Lindane)	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1
Heptachlor	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1
Heptachlor epoxide	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1
Methoxychlor	<0.0921		0.0921		ug/L		08/27/25 12:40	08/28/25 13:12	1
Toxaphene	<1.84		1.84		ug/L		08/27/25 12:40	08/28/25 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*95*		*10 - 150*	*08/27/25 12:40*	*08/28/25 13:12*	*1*
Tetrachloro-m-xylene	*98*		*17 - 150*	*08/27/25 12:40*	*08/28/25 13:12*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.84		1.84		ug/L		08/27/25 12:40	08/27/25 20:37	1
PCB-1221	<1.84		1.84		ug/L		08/27/25 12:40	08/27/25 20:37	1
PCB-1232	<1.84		1.84		ug/L		08/27/25 12:40	08/27/25 20:37	1
PCB-1242	<1.84		1.84		ug/L		08/27/25 12:40	08/27/25 20:37	1
PCB-1248	<1.84		1.84		ug/L		08/27/25 12:40	08/27/25 20:37	1
PCB-1254	<1.84		1.84		ug/L		08/27/25 12:40	08/27/25 20:37	1
PCB-1260	<1.84		1.84		ug/L		08/27/25 12:40	08/27/25 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*10 - 150*	*08/27/25 12:40*	*08/27/25 20:37*	*1*
Tetrachloro-m-xylene	*93*		*17 - 150*	*08/27/25 12:40*	*08/27/25 20:37*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<1.07		1.07		ug/L		08/27/25 07:18	08/27/25 21:01	1
Silvex (2,4,5-TP)	<1.07		1.07		ug/L		08/27/25 07:18	08/27/25 21:01	1
2,4,5-T	<1.07		1.07		ug/L		08/27/25 07:18	08/27/25 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*353*	*S1+*	*25 - 130*	*08/27/25 07:18*	*08/27/25 21:01*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 17:33	1
Arsenic	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 17:33	1
Barium	**0.143**		0.00200		mg/L		08/27/25 09:00	08/30/25 17:33	1
Beryllium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:33	1
Cadmium	<0.000200		0.000200		mg/L		08/27/25 09:00	08/30/25 17:33	1
Chromium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:33	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: FD-4_25_08
Date Collected: 08/20/25 00:00
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-14
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00834**		0.000500		mg/L		08/27/25 09:00	08/30/25 17:33	1
Copper	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:33	1
Lead	<0.000500		0.000500		mg/L		08/27/25 09:00	08/30/25 17:33	1
Nickel	**0.0286**		0.00500		mg/L		08/27/25 09:00	08/30/25 17:33	1
Selenium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:33	1
Silver	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:33	1
Thallium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:33	1
Tin	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:33	1
Vanadium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:33	1
Zinc	<0.0200		0.0200		mg/L		08/27/25 09:00	08/30/25 17:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		08/27/25 12:30	08/28/25 11:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100		mg/L		08/27/25 10:06	08/28/25 00:15	1
Sulfide (SW846 9034)	<1.00		1.00		mg/L		08/26/25 18:21	08/27/25 02:40	1
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			08/25/25 12:16	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: FB-3_25_08
Date Collected: 08/20/25 13:40
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-15
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 11:40	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 11:40	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 11:40	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 11:40	1
1,1-Dichloroethane	<1.00		1.00		ug/L			08/25/25 11:40	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 11:40	1
1,1-Dichloropropene	<1.00		1.00		ug/L			08/25/25 11:40	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 11:40	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			08/25/25 11:40	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			08/25/25 11:40	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 11:40	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 11:40	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 11:40	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 11:40	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 11:40	1
1,3-Dichloropropane	<1.00		1.00		ug/L			08/25/25 11:40	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 11:40	1
2,2-Dichloropropane	<4.00		4.00		ug/L			08/25/25 11:40	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 11:40	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 11:40	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 11:40	1
Acetone	<10.0		10.0		ug/L			08/25/25 11:40	1
Acrolein	<10.0		10.0		ug/L			08/25/25 11:40	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 11:40	1
Allyl chloride	<2.00		2.00		ug/L			08/25/25 11:40	1
Benzene	<0.500		0.500		ug/L			08/25/25 11:40	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 11:40	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 11:40	1
Bromoform	<5.00		5.00		ug/L			08/25/25 11:40	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 11:40	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 11:40	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 11:40	1
Chlorobenzene	<1.00		1.00		ug/L			08/25/25 11:40	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 11:40	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 11:40	1
Chloroform	<3.00		3.00		ug/L			08/25/25 11:40	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 11:40	1
Chloroprene	<1.00		1.00		ug/L			08/25/25 11:40	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 11:40	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 11:40	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 11:40	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			08/25/25 11:40	1
Ethyl methacrylate	<2.00		2.00		ug/L			08/25/25 11:40	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 11:40	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 11:40	1
m,p-Xylene	<2.00		2.00		ug/L			08/25/25 11:40	1
Methacrylonitrile	<10.0		10.0		ug/L			08/25/25 11:40	1
Methyl methacrylate	<2.00		2.00		ug/L			08/25/25 11:40	1
Methylene Chloride	<5.00		5.00		ug/L			08/25/25 11:40	1

Client Sample ID: FB-3_25_08
Date Collected: 08/20/25 13:40
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-15
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<5.00		5.00		ug/L			08/25/25 11:40	1
o-Xylene	<1.00		1.00		ug/L			08/25/25 11:40	1
Propionitrile	<10.0		10.0		ug/L			08/25/25 11:40	1
Styrene	<1.00		1.00		ug/L			08/25/25 11:40	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 11:40	1
Toluene	<1.00		1.00		ug/L			08/25/25 11:40	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 11:40	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 11:40	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 11:40	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 11:40	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 11:40	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 11:40	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 11:40	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*122*		*76 - 130*		*08/25/25 11:40*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*08/25/25 11:40*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/25/25 11:40*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
1,3,5-Trinitrobenzene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
1,3-Dinitrobenzene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
1,4-Naphthoquinone	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
1,4-phenylenediamine	<10.4	*-	10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
1-Naphthylamine	<10.4	*1	10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2,3,4,6-Tetrachlorophenol	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2,4,5-Trichlorophenol	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2,4,6-Trichlorophenol	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2,4-Dichlorophenol	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2,4-Dimethylphenol	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2,4-Dinitrophenol	<20.8		20.8		ug/L		08/27/25 07:17	09/04/25 22:56	1
2,4-Dinitrotoluene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2,6-Dichlorophenol	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2,6-Dinitrotoluene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2-Acetylaminofluorene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2-Chloronaphthalene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2-Chlorophenol	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2-Methylnaphthalene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2-Methylphenol	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2-Naphthylamine	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2-Nitroaniline	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2-Nitrophenol	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
3,3'-Dichlorobenzidine	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
3,3'-Dimethylbenzidine	<10.4	*1	10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
3-Methylcholanthrene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
3-Nitroaniline	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
4,6-Dinitro-2-methylphenol	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: FB-3_25_08
Date Collected: 08/20/25 13:40
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-15
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Aminobiphenyl	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
4-Bromophenyl phenyl ether	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
4-Chloro-3-methylphenol	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
4-Chloroaniline	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
4-Chlorophenyl phenyl ether	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Methylphenol, 3 & 4	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
4-Nitroaniline	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
4-Nitrophenol	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
5-Nitro-o-toluidine	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
7,12-Dimethylbenz(a)anthracene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Acenaphthene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Acenaphthylene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Acetophenone	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Anthracene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Benzo[a]anthracene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Benzo[a]pyrene	<10.4		10.4		ug/L		08/27/25 07:17	08/29/25 17:07	1
Benzo[b]fluoranthene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Benzo[g,h,i]perylene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Benzo[k]fluoranthene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Benzyl alcohol	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Bis(2-chloroethoxy)methane	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Bis(2-chloroethyl)ether	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
2,2'-oxybis[1-chloropropane]	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Bis(2-ethylhexyl) phthalate	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Butyl benzyl phthalate	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Chlorobenzilate	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Chrysene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Diallate	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Dibenzo(a,h)anthracene	<10.4		10.4		ug/L		08/27/25 07:17	08/29/25 17:07	1
Dibenzofuran	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Diethyl phthalate	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Dimethoate	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Dimethyl phthalate	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Di-n-butyl phthalate	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Di-n-octyl phthalate	<20.8		20.8		ug/L		08/27/25 07:17	09/04/25 22:56	1
Dinoseb	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Diphenylamine	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Disulfoton	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Ethyl methanesulfonate	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Ethyl Parathion	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Famphur	<10.4	*+	10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Fluoranthene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Fluorene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Hexachlorobenzene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Hexachlorobutadiene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Hexachlorocyclopentadiene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Hexachloroethane	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Hexachloropropene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Indeno[1,2,3-cd]pyrene	<10.4		10.4		ug/L		08/27/25 07:17	08/29/25 17:07	1

Client Sample ID: FB-3_25_08
Date Collected: 08/20/25 13:40
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-15
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isodrin	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Isophorone	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Isosafrole	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Kepone	<10.4	*+	10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Methapyrilene	<10.4	*- *1	10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Methyl methanesulfonate	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Methyl parathion	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Nitrobenzene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
N-Nitrosodiethylamine	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
N-Nitrosodimethylamine	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
N-Nitrosodi-n-butylamine	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
N-Nitrosodi-n-propylamine	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
N-Nitrosodiphenylamine	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
N-Nitrosomethylethylamine	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
N-Nitrosopiperidine	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
N-Nitrosopyrrolidine	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
o,o',o''-Triethylphosphorothioate	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
o-Toluidine	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
p-Dimethylamino azobenzene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Pentachlorobenzene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Pentachloronitrobenzene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Pentachlorophenol	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Phenacetin	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Phenanthrene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Phenol	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Phorate	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Pronamide	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Pyrene	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Safrole	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1
Thionazin	<10.4		10.4		ug/L		08/27/25 07:17	09/04/25 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*67*		*21 - 110*	*08/27/25 07:17*	*09/04/25 22:56*	*1*
Phenol-d5 (Surr)	*57*		*21 - 110*	*08/27/25 07:17*	*09/04/25 22:56*	*1*
Nitrobenzene-d5 (Surr)	*88*		*39 - 140*	*08/27/25 07:17*	*09/04/25 22:56*	*1*
2-Fluorobiphenyl (Surr)	*87*		*33 - 126*	*08/27/25 07:17*	*09/04/25 22:56*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*20 - 144*	*08/27/25 07:17*	*09/04/25 22:56*	*1*
Terphenyl-d14 (Surr)	*131*		*13 - 150*	*08/27/25 07:17*	*09/04/25 22:56*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0		mg/L			08/26/25 19:12	1
Isobutanol	<10.0		10.0		mg/L			08/26/25 19:12	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1
4,4'-DDE	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1
4,4'-DDT	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1
Aldrin	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1

Client Sample ID: FB-3_25_08
Date Collected: 08/20/25 13:40
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-15
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1
beta-BHC	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1
Chlordane (technical)	<1.84		1.84		ug/L		08/27/25 12:40	08/28/25 13:25	1
delta-BHC	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1
Dieldrin	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1
Endosulfan I	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1
Endosulfan II	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1
Endosulfan sulfate	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1
Endrin	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1
Endrin aldehyde	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1
gamma-BHC (Lindane)	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1
Heptachlor	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1
Heptachlor epoxide	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1
Methoxychlor	<0.0919		0.0919		ug/L		08/27/25 12:40	08/28/25 13:25	1
Toxaphene	<1.84		1.84		ug/L		08/27/25 12:40	08/28/25 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*10 - 150*	*08/27/25 12:40*	*08/28/25 13:25*	*1*
Tetrachloro-m-xylene	*89*		*17 - 150*	*08/27/25 12:40*	*08/28/25 13:25*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.84		1.84		ug/L		08/27/25 12:40	08/27/25 20:50	1
PCB-1221	<1.84		1.84		ug/L		08/27/25 12:40	08/27/25 20:50	1
PCB-1232	<1.84		1.84		ug/L		08/27/25 12:40	08/27/25 20:50	1
PCB-1242	<1.84		1.84		ug/L		08/27/25 12:40	08/27/25 20:50	1
PCB-1248	<1.84		1.84		ug/L		08/27/25 12:40	08/27/25 20:50	1
PCB-1254	<1.84		1.84		ug/L		08/27/25 12:40	08/27/25 20:50	1
PCB-1260	<1.84		1.84		ug/L		08/27/25 12:40	08/27/25 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*10 - 150*	*08/27/25 12:40*	*08/27/25 20:50*	*1*
Tetrachloro-m-xylene	*87*		*17 - 150*	*08/27/25 12:40*	*08/27/25 20:50*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<1.05		1.05		ug/L		08/27/25 07:18	08/27/25 21:18	1
Silvex (2,4,5-TP)	<1.05		1.05		ug/L		08/27/25 07:18	08/27/25 21:18	1
2,4,5-T	<1.05		1.05		ug/L		08/27/25 07:18	08/27/25 21:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*117*		*25 - 130*	*08/27/25 07:18*	*08/27/25 21:18*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 17:36	1
Arsenic	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 17:36	1
Barium	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 17:36	1
Beryllium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:36	1
Cadmium	<0.000200		0.000200		mg/L		08/27/25 09:00	08/30/25 17:36	1
Chromium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:36	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: FB-3_25_08
Date Collected: 08/20/25 13:40
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-15
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.000500		0.000500		mg/L		08/27/25 09:00	08/30/25 17:36	1
Copper	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:36	1
Lead	<0.000500		0.000500		mg/L		08/27/25 09:00	08/30/25 17:36	1
Nickel	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:36	1
Selenium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:36	1
Silver	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:36	1
Thallium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 17:36	1
Tin	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:36	1
Vanadium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 17:36	1
Zinc	<0.0200		0.0200		mg/L		08/27/25 09:00	08/30/25 17:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		08/29/25 14:10	08/30/25 10:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100		mg/L		08/27/25 10:06	08/28/25 00:11	1
Sulfide (SW846 9034)	<1.00		1.00		mg/L		08/26/25 18:23	08/27/25 02:44	1
Total Suspended Solids (USGS I-3765-85)	<1.9		1.9		mg/L			08/25/25 12:16	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: TB-3_25_08
Date Collected: 08/20/25 00:00
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-16
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 23:40	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 23:40	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 23:40	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 23:40	1
1,1-Dichloroethane	<1.00		1.00		ug/L			08/25/25 23:40	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 23:40	1
1,1-Dichloropropene	<1.00		1.00		ug/L			08/25/25 23:40	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 23:40	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			08/25/25 23:40	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			08/25/25 23:40	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 23:40	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 23:40	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 23:40	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 23:40	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 23:40	1
1,3-Dichloropropane	<1.00		1.00		ug/L			08/25/25 23:40	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 23:40	1
2,2-Dichloropropane	<4.00		4.00		ug/L			08/25/25 23:40	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 23:40	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 23:40	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 23:40	1
Acetone	<10.0		10.0		ug/L			08/25/25 23:40	1
Acrolein	<10.0		10.0		ug/L			08/25/25 23:40	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 23:40	1
Allyl chloride	<2.00		2.00		ug/L			08/25/25 23:40	1
Benzene	<0.500		0.500		ug/L			08/25/25 23:40	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 23:40	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 23:40	1
Bromoform	<5.00		5.00		ug/L			08/25/25 23:40	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 23:40	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 23:40	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 23:40	1
Chlorobenzene	<1.00		1.00		ug/L			08/25/25 23:40	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 23:40	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 23:40	1
Chloroform	<3.00		3.00		ug/L			08/25/25 23:40	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 23:40	1
Chloroprene	<1.00		1.00		ug/L			08/25/25 23:40	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 23:40	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 23:40	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 23:40	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			08/25/25 23:40	1
Ethyl methacrylate	<2.00		2.00		ug/L			08/25/25 23:40	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 23:40	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 23:40	1
m,p-Xylene	<2.00		2.00		ug/L			08/25/25 23:40	1
Methacrylonitrile	<10.0		10.0		ug/L			08/25/25 23:40	1
Methyl methacrylate	<2.00		2.00		ug/L			08/25/25 23:40	1
Methylene Chloride	<5.00		5.00		ug/L			08/25/25 23:40	1

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: TB-3_25_08
Date Collected: 08/20/25 00:00
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-16
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<5.00		5.00		ug/L			08/25/25 23:40	1
o-Xylene	<1.00		1.00		ug/L			08/25/25 23:40	1
Propionitrile	<10.0		10.0		ug/L			08/25/25 23:40	1
Styrene	<1.00		1.00		ug/L			08/25/25 23:40	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 23:40	1
Toluene	<1.00		1.00		ug/L			08/25/25 23:40	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 23:40	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 23:40	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 23:40	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 23:40	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 23:40	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 23:40	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 23:40	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*125*		*76 - 130*		*08/25/25 23:40*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*08/25/25 23:40*	*1*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*08/25/25 23:40*	*1*

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
*3	ISTD response or retention time outside acceptable limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		DBFM	TOL	BFB							
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)							
310-314023-1	AW-5_25_08	123	90	107							
310-314023-1 MS	AW-5_25_08	93	96	104							
310-314023-1 MSD	AW-5_25_08	95	98	103							
310-314023-2	AW-6_25_08	121	90	110							
310-314023-3	MW-11_25_08	123	88	107							
310-314023-4	MW-12_25_08	119	90	104							
310-314023-5	MW-32_25_08	115	92	108							
310-314023-6	MW-33_25_08	120	88	107							
310-314023-7	MW-34_25_08	122	89	105							
310-314023-9	MW-105A_25_08	121	88	110							
310-314023-10	MW-105B_25_08	124	88	107							
310-314023-11	MW-109A_25_08	122	88	111							
310-314023-12	MW-109B_25_08	120	90	110							
310-314023-13	FD-3_25_08	122	91	108							
310-314023-14	FD-4_25_08	120	90	114							
310-314023-15	FB-3_25_08	122	89	105							
310-314023-16	TB-3_25_08	125	88	111							
LCS 310-464629/7	Lab Control Sample	95	98	103							
LCS 310-464629/8	Lab Control Sample	124	90	107							
LCS 310-464631/7	Lab Control Sample	96	97	108							
LCS 310-464631/8	Lab Control Sample	121	87	108							
MB 310-464629/6	Method Blank	124	89	107							
MB 310-464631/6	Method Blank	121	89	109							

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		2FP	PHL	NBZ	FBP	TBP	TPHL		
Lab Sample ID	Client Sample ID	(21-110)	(21-110)	(39-140)	(33-126)	(20-144)	(13-150)		
310-314023-1	AW-5_25_08	62	51	88	89	77	102		
310-314023-2	AW-6_25_08	65	54	90	91	73	118		
310-314023-3	MW-11_25_08	68	57	93	92	71	116		
310-314023-4	MW-12_25_08	67	53	83	81	77	86		
310-314023-5	MW-32_25_08	65	52	81	81	70	85		
310-314023-6	MW-33_25_08	81	63	96	103	78	122		
310-314023-7	MW-34_25_08	61	50	76	76	73	86		
310-314023-13	FD-3_25_08	60	48	78	80	74	73		
310-314023-14	FD-4_25_08	62	53	90	91	76	122		
310-314023-15	FB-3_25_08	67	57	88	87	73	131		
LCS 310-464719/2-A	Lab Control Sample	76	63	100	96	108	101		
LCS 310-464848/2-A	Lab Control Sample	74	61	96	89	104	131		
LCSD 310-464719/3-A	Lab Control Sample Dup	68	57	85	79	93	80		
LCSD 310-464848/3-A	Lab Control Sample Dup	75	62	95	90	106	129		
MB 310-464719/1-A	Method Blank	91	76	121	114	106	179 S1+		

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		2FP	PHL	NBZ	FBP	TBP	TPHL		
Lab Sample ID	Client Sample ID	(21-110)	(21-110)	(39-140)	(33-126)	(20-144)	(13-150)		
MB 310-464848/1-A	Method Blank	78	66	101	101	92	169 S1+		

Surrogate Legend

2FP = 2-Fluorophenol (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		DCB1	TCX1						
Lab Sample ID	Client Sample ID	(10-150)	(17-150)						
310-314023-1	AW-5_25_08	60	97						
310-314023-2	AW-6_25_08	89	92						
310-314023-3	MW-11_25_08	91	74						
310-314023-4	MW-12_25_08	76	84						
310-314023-5	MW-32_25_08	75	97						
310-314023-6	MW-33_25_08	153 *3 S1+	173 *3 S1+						
310-314023-7	MW-34_25_08	165 *3 S1+	182 *3 S1+						
310-314023-13	FD-3_25_08	82	105						
310-314023-14	FD-4_25_08	95	98						
310-314023-15	FB-3_25_08	72	89						
LB 310-464811/1-D	Method Blank	55	95						
LCS 310-464678/2-A	Lab Control Sample	56	85						
LCS 310-464939/10-A	Lab Control Sample	54	77						
MB 310-464678/1-A	Method Blank	51	88						
MB 310-464939/1-A	Method Blank	50	84						

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		DCB1	TCX1						
Lab Sample ID	Client Sample ID	(10-150)	(17-150)						
310-314023-1	AW-5_25_08	61	99						
310-314023-2	AW-6_25_08	90	94						
310-314023-3	MW-11_25_08	92	76						
310-314023-4	MW-12_25_08	77	86						
310-314023-5	MW-32_25_08	76	99						
310-314023-6	MW-33_25_08	156 S1+ *3	177 S1+ *3						
310-314023-7	MW-34_25_08	168 *3 S1+	186 *3 S1+						

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		DCB1	TCX1								
Lab Sample ID	Client Sample ID	(10-150)	(17-150)								
310-314023-7 MS	MW-34_25_08	110	102								
310-314023-7 MSD	MW-34_25_08	97	92								
310-314023-13	FD-3_25_08	78	103								
310-314023-14	FD-4_25_08	87	93								
310-314023-15	FB-3_25_08	66	87								
LB 310-464677/1-E	Method Blank	79	90								
LCS 310-464678/27-A	Lab Control Sample	82	91								
LCS 310-464939/2-A	Lab Control Sample	40	75								
MB 310-464678/1-A	Method Blank	52	90								
MB 310-464939/1-A	Method Blank	53	87								

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		DCPAA1									
Lab Sample ID	Client Sample ID	(25-130)									
310-314023-1	AW-5_25_08	95									
310-314023-2	AW-6_25_08	267 S1+									
310-314023-3	MW-11_25_08	115									
310-314023-4	MW-12_25_08	402 S1+									
310-314023-5	MW-32_25_08	133 S1+									
310-314023-6	MW-33_25_08	77									
310-314023-7	MW-34_25_08	149 S1+									
310-314023-13	FD-3_25_08	245 S1+									
310-314023-14	FD-4_25_08	353 S1+									
310-314023-15	FB-3_25_08	117									
LCS 500-831632/2-A	Lab Control Sample	122									
LCSD 500-831632/3-A	Lab Control Sample Dup	119									
MB 500-831632/1-A	Method Blank	97									

Surrogate Legend

DCPAA = DCAA

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-464629/6
Matrix: Water
Analysis Batch: 464629

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 10:33	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 10:33	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 10:33	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 10:33	1
1,1-Dichloroethane	<1.00		1.00		ug/L			08/25/25 10:33	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 10:33	1
1,1-Dichloropropene	<1.00		1.00		ug/L			08/25/25 10:33	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 10:33	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			08/25/25 10:33	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			08/25/25 10:33	1
1,2-Dibromo-3-chloropropane	<5.00		5.00		ug/L			08/25/25 10:33	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 10:33	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 10:33	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 10:33	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 10:33	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 10:33	1
1,3-Dichloropropane	<1.00		1.00		ug/L			08/25/25 10:33	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 10:33	1
2,2-Dichloropropane	<4.00		4.00		ug/L			08/25/25 10:33	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 10:33	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 10:33	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 10:33	1
Acetone	<10.0		10.0		ug/L			08/25/25 10:33	1
Acrolein	<10.0		10.0		ug/L			08/25/25 10:33	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 10:33	1
Allyl chloride	<2.00		2.00		ug/L			08/25/25 10:33	1
Benzene	<0.500		0.500		ug/L			08/25/25 10:33	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 10:33	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 10:33	1
Bromoform	<5.00		5.00		ug/L			08/25/25 10:33	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 10:33	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 10:33	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 10:33	1
Chlorobenzene	<1.00		1.00		ug/L			08/25/25 10:33	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 10:33	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 10:33	1
Chloroform	<3.00		3.00		ug/L			08/25/25 10:33	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 10:33	1
Chloroprene	<1.00		1.00		ug/L			08/25/25 10:33	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 10:33	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 10:33	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 10:33	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			08/25/25 10:33	1
Ethyl methacrylate	<2.00		2.00		ug/L			08/25/25 10:33	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 10:33	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 10:33	1
m,p-Xylene	<2.00		2.00		ug/L			08/25/25 10:33	1
Methacrylonitrile	<10.0		10.0		ug/L			08/25/25 10:33	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-464629/6
Matrix: Water
Analysis Batch: 464629

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl methacrylate	<2.00		2.00		ug/L			08/25/25 10:33	1
Methylene Chloride	<5.00		5.00		ug/L			08/25/25 10:33	1
Methylene chloride	<5.00		5.00		ug/L			08/25/25 10:33	1
Naphthalene	<5.00		5.00		ug/L			08/25/25 10:33	1
o-Xylene	<1.00		1.00		ug/L			08/25/25 10:33	1
Propionitrile	<10.0		10.0		ug/L			08/25/25 10:33	1
Styrene	<1.00		1.00		ug/L			08/25/25 10:33	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 10:33	1
Toluene	<1.00		1.00		ug/L			08/25/25 10:33	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 10:33	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 10:33	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 10:33	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 10:33	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 10:33	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 10:33	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 10:33	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 10:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*124*		*76 - 130*		*08/25/25 10:33*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*08/25/25 10:33*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*08/25/25 10:33*	*1*

Lab Sample ID: LCS 310-464629/7
Matrix: Water
Analysis Batch: 464629

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.69		ug/L		98	70 - 121
1,1,1-Trichloroethane	20.0	19.52		ug/L		98	69 - 130
1,1,2,2-Tetrachloroethane	20.0	18.15		ug/L		91	70 - 122
1,1,2-Trichloroethane	20.0	18.68		ug/L		93	75 - 121
1,1-Dichloroethane	20.0	18.97		ug/L		95	69 - 127
1,1-Dichloroethene	20.0	20.03		ug/L		100	64 - 134
1,1-Dichloropropene	20.0	18.94		ug/L		95	70 - 133
1,2,3-Trichloropropane	20.0	18.14		ug/L		91	70 - 122
1,2,4-Trichlorobenzene	20.0	19.28		ug/L		96	69 - 125
1,2-Dibromo-3-Chloropropane	20.0	19.34		ug/L		97	62 - 132
1,2-Dibromo-3-chloropropane	20.0	19.34		ug/L		97	62 - 132
1,2-Dibromoethane (EDB)	20.0	18.78		ug/L		94	74 - 122
1,2-Dichlorobenzene	20.0	18.27		ug/L		91	74 - 120
1,2-Dichloroethane	20.0	19.53		ug/L		98	68 - 125
1,2-Dichloropropane	20.0	18.15		ug/L		91	72 - 128
1,3-Dichlorobenzene	20.0	19.06		ug/L		95	71 - 120
1,3-Dichloropropane	20.0	17.86		ug/L		89	72 - 125
1,4-Dichlorobenzene	20.0	18.77		ug/L		94	72 - 120
2,2-Dichloropropane	20.0	20.35		ug/L		102	51 - 146
2-Butanone (MEK)	40.0	30.06		ug/L		75	60 - 134

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-464629/7
Matrix: Water
Analysis Batch: 464629

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	40.67		ug/L		102	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	38.08		ug/L		95	62 - 136
Acetone	40.0	34.32		ug/L		86	59 - 136
Acrolein	94.8	77.04		ug/L		81	50 - 150
Acrylonitrile	200	187.5		ug/L		94	50 - 150
Allyl chloride	20.0	19.50		ug/L		97	61 - 136
Benzene	20.0	19.54		ug/L		98	71 - 125
Bromochloromethane	20.0	19.04		ug/L		95	69 - 131
Bromodichloromethane	20.0	17.75		ug/L		89	70 - 122
Bromoform	20.0	18.98		ug/L		95	62 - 122
Carbon disulfide	20.0	19.30		ug/L		96	58 - 137
Carbon tetrachloride	20.0	21.10		ug/L		105	63 - 136
Chlorobenzene	20.0	18.21		ug/L		91	74 - 120
Chlorodibromomethane	20.0	18.31		ug/L		92	69 - 121
Chloroform	20.0	19.80		ug/L		99	72 - 122
Chloroprene	20.0	18.93		ug/L		95	67 - 136
cis-1,2-Dichloroethene	20.0	19.79		ug/L		99	72 - 123
cis-1,3-Dichloropropene	20.0	17.29		ug/L		86	72 - 123
Dibromomethane	20.0	19.58		ug/L		98	72 - 122
Ethyl methacrylate	20.0	20.00		ug/L		100	68 - 128
Ethylbenzene	20.0	18.86		ug/L		94	75 - 120
Iodomethane	20.0	11.37		ug/L		57	18 - 150
Methacrylonitrile	200	164.2		ug/L		82	67 - 128
Methyl methacrylate	40.0	39.33		ug/L		98	69 - 129
Methylene Chloride	20.0	19.72		ug/L		99	72 - 128
Methylene chloride	20.0	19.72		ug/L		99	72 - 128
Naphthalene	20.0	18.87		ug/L		94	69 - 126
Propionitrile	200	188.3		ug/L		94	68 - 131
Styrene	20.0	19.20		ug/L		96	74 - 122
Tetrachloroethene	20.0	21.18		ug/L		106	70 - 128
Toluene	20.0	18.08		ug/L		90	74 - 120
trans-1,2-Dichloroethene	20.0	20.28		ug/L		101	67 - 127
trans-1,3-Dichloropropene	20.0	17.17		ug/L		86	67 - 123
trans-1,4-Dichloro-2-butene	20.0	19.30		ug/L		97	50 - 150
Trichloroethene	20.0	18.28		ug/L		91	70 - 128
Vinyl acetate	40.0	38.86		ug/L		97	50 - 150
Xylenes, Total	40.0	36.80		ug/L		92	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*95*		*76 - 130*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-464629/8
Matrix: Water
Analysis Batch: 464629

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromomethane			20.0	17.11		ug/L		86	33 - 138		
Chloroethane			20.0	21.39		ug/L		107	59 - 139		
Chloromethane			20.0	18.45		ug/L		92	52 - 146		
Dichlorodifluoromethane			20.0	23.40		ug/L		117	45 - 150		
Trichlorofluoromethane			20.0	21.83		ug/L		109	55 - 150		
Vinyl chloride			20.0	21.14		ug/L		106	60 - 142		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*124*		*76 - 130*
Toluene-d8 (Surr)	*90*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*

Lab Sample ID: 310-314023-1 MS
Matrix: Water
Analysis Batch: 464629

Client Sample ID: AW-5_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane	<1.00		25.0	22.65		ug/L		91	55 - 121		
1,1,1-Trichloroethane	<1.00		25.0	20.91		ug/L		84	53 - 130		
1,1,2,2-Tetrachloroethane	<1.00		25.0	22.12		ug/L		88	55 - 123		
1,1,2-Trichloroethane	<1.00		25.0	21.72		ug/L		87	60 - 121		
1,1-Dichloroethane	<1.00		25.0	21.11		ug/L		84	53 - 127		
1,1-Dichloroethene	<2.00		25.0	20.99		ug/L		84	51 - 134		
1,1-Dichloropropene	<1.00		25.0	20.48		ug/L		82	55 - 133		
1,2,3-Trichloropropane	<1.00		25.0	21.88		ug/L		88	56 - 122		
1,2,4-Trichlorobenzene	<5.00		25.0	22.75		ug/L		91	55 - 126		
1,2-Dibromo-3-Chloropropane	<5.00		25.0	22.70		ug/L		91	44 - 138		
1,2-Dibromo-3-chloropropane	<5.00		25.0	22.70		ug/L		91	44 - 138		
1,2-Dibromoethane (EDB)	<1.00		25.0	21.67		ug/L		87	60 - 122		
1,2-Dichlorobenzene	<1.00		25.0	21.62		ug/L		86	60 - 120		
1,2-Dichloroethane	<1.00		25.0	21.90		ug/L		88	48 - 128		
1,2-Dichloropropane	<1.00		25.0	20.71		ug/L		83	59 - 128		
1,3-Dichlorobenzene	<1.00		25.0	21.90		ug/L		88	58 - 120		
1,3-Dichloropropane	<1.00		25.0	21.06		ug/L		84	58 - 125		
1,4-Dichlorobenzene	<1.00		25.0	22.07		ug/L		88	58 - 120		
2,2-Dichloropropane	<4.00		25.0	19.33		ug/L		77	34 - 146		
2-Butanone (MEK)	<10.0		50.0	36.91		ug/L		74	46 - 134		
2-Hexanone	<10.0		50.0	52.37		ug/L		105	46 - 141		
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	47.29		ug/L		95	49 - 138		
Acetone	<10.0		50.0	41.06		ug/L		82	39 - 141		
Acrolein	<10.0		119	87.05		ug/L		73	39 - 150		
Acrylonitrile	<5.00		250	224.2		ug/L		90	41 - 150		
Allyl chloride	<2.00		25.0	19.51		ug/L		78	47 - 136		
Benzene	<0.500		25.0	21.45		ug/L		86	48 - 125		
Bromochloromethane	<5.00		25.0	21.75		ug/L		87	55 - 131		
Bromodichloromethane	<1.00		25.0	20.37		ug/L		81	53 - 122		
Bromoform	<5.00		25.0	22.22		ug/L		89	47 - 122		
Carbon disulfide	<1.00		25.0	22.23		ug/L		89	45 - 137		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-314023-1 MS
Matrix: Water
Analysis Batch: 464629

Client Sample ID: AW-5_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	<2.00		25.0	22.62		ug/L		90	45 - 136
Chlorobenzene	<1.00		25.0	20.16		ug/L		81	59 - 120
Chlorodibromomethane	<5.00		25.0	20.29		ug/L		81	53 - 121
Chloroform	<3.00		25.0	21.61		ug/L		86	52 - 122
Chloroprene	<1.00		25.0	19.90		ug/L		80	48 - 136
cis-1,2-Dichloroethene	<1.00		25.0	21.87		ug/L		87	51 - 123
cis-1,3-Dichloropropene	<5.00		25.0	18.79		ug/L		75	55 - 123
Dibromomethane	<1.00		25.0	22.14		ug/L		89	57 - 122
Ethyl methacrylate	<2.00		25.0	24.95		ug/L		100	53 - 129
Ethylbenzene	<1.00		25.0	20.52		ug/L		82	53 - 120
Iodomethane	<10.0		25.0	14.02		ug/L		56	18 - 150
Methacrylonitrile	<10.0		250	200.5		ug/L		80	53 - 128
Methyl methacrylate	<2.00		50.0	47.66		ug/L		95	48 - 137
Methylene Chloride	<5.00		25.0	22.37		ug/L		89	59 - 128
Methylene chloride	<5.00		25.0	22.37		ug/L		89	59 - 128
Naphthalene	<5.00		25.0	22.63		ug/L		91	45 - 144
Propionitrile	<10.0		250	225.3		ug/L		90	56 - 131
Styrene	<1.00		25.0	21.80		ug/L		87	50 - 125
Tetrachloroethene	<1.00		25.0	22.68		ug/L		91	51 - 128
Toluene	<1.00		25.0	19.60		ug/L		78	52 - 120
trans-1,2-Dichloroethene	<1.00		25.0	21.93		ug/L		88	53 - 127
trans-1,3-Dichloropropene	<5.00		25.0	18.73		ug/L		75	50 - 123
trans-1,4-Dichloro-2-butene	<10.0		25.0	21.63		ug/L		87	28 - 150
Trichloroethene	<1.00		25.0	19.13		ug/L		77	50 - 128
Vinyl acetate	<10.0		50.0	43.26		ug/L		87	31 - 150
Xylenes, Total	<3.00		50.0	41.86		ug/L		84	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*93*		*76 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*

Lab Sample ID: 310-314023-1 MSD
Matrix: Water
Analysis Batch: 464629

Client Sample ID: AW-5_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<1.00		25.0	21.25		ug/L		85	55 - 121	6	20
1,1,1-Trichloroethane	<1.00		25.0	19.26		ug/L		77	53 - 130	8	20
1,1,2,2-Tetrachloroethane	<1.00		25.0	21.11		ug/L		84	55 - 123	5	20
1,1,2-Trichloroethane	<1.00		25.0	20.78		ug/L		83	60 - 121	4	20
1,1-Dichloroethane	<1.00		25.0	19.73		ug/L		79	53 - 127	7	20
1,1-Dichloroethene	<2.00		25.0	20.13		ug/L		81	51 - 134	4	20
1,1-Dichloropropene	<1.00		25.0	18.73		ug/L		75	55 - 133	9	20
1,2,3-Trichloropropane	<1.00		25.0	20.79		ug/L		83	56 - 122	5	21
1,2,4-Trichlorobenzene	<5.00		25.0	21.65		ug/L		87	55 - 126	5	20
1,2-Dibromo-3-Chloropropane	<5.00		25.0	22.11		ug/L		88	44 - 138	3	24
1,2-Dibromo-3-chloropropane	<5.00		25.0	22.11		ug/L		88	44 - 138	3	24

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-314023-1 MSD
Matrix: Water
Analysis Batch: 464629

Client Sample ID: AW-5_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	<1.00		25.0	20.48		ug/L		82	60 - 122	6	20
1,2-Dichlorobenzene	<1.00		25.0	20.00		ug/L		80	60 - 120	8	20
1,2-Dichloroethane	<1.00		25.0	19.66		ug/L		79	48 - 128	11	20
1,2-Dichloropropane	<1.00		25.0	18.84		ug/L		75	59 - 128	9	20
1,3-Dichlorobenzene	<1.00		25.0	20.16		ug/L		81	58 - 120	8	20
1,3-Dichloropropane	<1.00		25.0	19.39		ug/L		78	58 - 125	8	20
1,4-Dichlorobenzene	<1.00		25.0	20.45		ug/L		82	58 - 120	8	20
2,2-Dichloropropane	<4.00		25.0	18.73		ug/L		75	34 - 146	3	20
2-Butanone (MEK)	<10.0		50.0	36.12		ug/L		72	46 - 134	2	23
2-Hexanone	<10.0		50.0	49.36		ug/L		99	46 - 141	6	20
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	46.17		ug/L		92	49 - 138	2	20
Acetone	<10.0		50.0	41.42		ug/L		83	39 - 141	1	23
Acrolein	<10.0		119	85.35		ug/L		72	39 - 150	2	33
Acrylonitrile	<5.00		250	211.8		ug/L		85	41 - 150	6	20
Allyl chloride	<2.00		25.0	19.24		ug/L		77	47 - 136	1	33
Benzene	<0.500		25.0	19.48		ug/L		78	48 - 125	10	20
Bromochloromethane	<5.00		25.0	20.53		ug/L		82	55 - 131	6	21
Bromodichloromethane	<1.00		25.0	18.71		ug/L		75	53 - 122	9	20
Bromoform	<5.00		25.0	21.41		ug/L		86	47 - 122	4	20
Carbon disulfide	<1.00		25.0	18.50		ug/L		74	45 - 137	18	24
Carbon tetrachloride	<2.00		25.0	21.03		ug/L		84	45 - 136	7	20
Chlorobenzene	<1.00		25.0	19.16		ug/L		77	59 - 120	5	20
Chlorodibromomethane	<5.00		25.0	19.81		ug/L		79	53 - 121	2	20
Chloroform	<3.00		25.0	20.16		ug/L		81	52 - 122	7	20
Chloroprene	<1.00		25.0	18.43		ug/L		74	48 - 136	8	20
cis-1,2-Dichloroethene	<1.00		25.0	20.38		ug/L		82	51 - 123	7	20
cis-1,3-Dichloropropene	<5.00		25.0	17.92		ug/L		72	55 - 123	5	20
Dibromomethane	<1.00		25.0	20.48		ug/L		82	57 - 122	8	20
Ethyl methacrylate	<2.00		25.0	23.66		ug/L		95	53 - 129	5	20
Ethylbenzene	<1.00		25.0	19.28		ug/L		77	53 - 120	6	20
Iodomethane	<10.0		25.0	13.83		ug/L		55	18 - 150	1	32
Methacrylonitrile	<10.0		250	181.7		ug/L		73	53 - 128	10	20
Methyl methacrylate	<2.00		50.0	44.15		ug/L		88	48 - 137	8	20
Methylene Chloride	<5.00		25.0	20.89		ug/L		84	59 - 128	7	20
Methylene chloride	<5.00		25.0	20.89		ug/L		84	59 - 128	7	20
Naphthalene	<5.00		25.0	22.31		ug/L		89	45 - 144	1	32
Propionitrile	<10.0		250	212.2		ug/L		85	56 - 131	6	20
Styrene	<1.00		25.0	20.13		ug/L		81	50 - 125	8	20
Tetrachloroethene	<1.00		25.0	21.76		ug/L		87	51 - 128	4	20
Toluene	<1.00		25.0	18.18		ug/L		73	52 - 120	8	20
trans-1,2-Dichloroethene	<1.00		25.0	19.57		ug/L		78	53 - 127	11	20
trans-1,3-Dichloropropene	<5.00		25.0	18.51		ug/L		74	50 - 123	1	20
trans-1,4-Dichloro-2-butene	<10.0		25.0	20.98		ug/L		84	28 - 150	3	24
Trichloroethene	<1.00		25.0	17.74		ug/L		71	50 - 128	8	20
Vinyl acetate	<10.0		50.0	39.40		ug/L		79	31 - 150	9	25
Xylenes, Total	<3.00		50.0	38.00		ug/L		76	50 - 122	10	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-314023-1 MSD
Matrix: Water
Analysis Batch: 464629

Client Sample ID: AW-5_25_08
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	*95*		*76 - 130*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 310-464631/6
Matrix: Water
Analysis Batch: 464631

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 21:47	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			08/25/25 21:47	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			08/25/25 21:47	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			08/25/25 21:47	1
1,1-Dichloroethane	<1.00		1.00		ug/L			08/25/25 21:47	1
1,1-Dichloroethene	<2.00		2.00		ug/L			08/25/25 21:47	1
1,1-Dichloropropene	<1.00		1.00		ug/L			08/25/25 21:47	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			08/25/25 21:47	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			08/25/25 21:47	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			08/25/25 21:47	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			08/25/25 21:47	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 21:47	1
1,2-Dichloroethane	<1.00		1.00		ug/L			08/25/25 21:47	1
1,2-Dichloropropane	<1.00		1.00		ug/L			08/25/25 21:47	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 21:47	1
1,3-Dichloropropane	<1.00		1.00		ug/L			08/25/25 21:47	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			08/25/25 21:47	1
2,2-Dichloropropane	<4.00		4.00		ug/L			08/25/25 21:47	1
2-Butanone (MEK)	<10.0		10.0		ug/L			08/25/25 21:47	1
2-Hexanone	<10.0		10.0		ug/L			08/25/25 21:47	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0		ug/L			08/25/25 21:47	1
Acetone	<10.0		10.0		ug/L			08/25/25 21:47	1
Acrolein	<10.0		10.0		ug/L			08/25/25 21:47	1
Acrylonitrile	<5.00		5.00		ug/L			08/25/25 21:47	1
Allyl chloride	<2.00		2.00		ug/L			08/25/25 21:47	1
Benzene	<0.500		0.500		ug/L			08/25/25 21:47	1
Bromochloromethane	<5.00		5.00		ug/L			08/25/25 21:47	1
Bromodichloromethane	<1.00		1.00		ug/L			08/25/25 21:47	1
Bromoform	<5.00		5.00		ug/L			08/25/25 21:47	1
Bromomethane	<4.00		4.00		ug/L			08/25/25 21:47	1
Carbon disulfide	<1.00		1.00		ug/L			08/25/25 21:47	1
Carbon tetrachloride	<2.00		2.00		ug/L			08/25/25 21:47	1
Chlorobenzene	<1.00		1.00		ug/L			08/25/25 21:47	1
Chlorodibromomethane	<5.00		5.00		ug/L			08/25/25 21:47	1
Chloroethane	<4.00		4.00		ug/L			08/25/25 21:47	1
Chloroform	<3.00		3.00		ug/L			08/25/25 21:47	1
Chloromethane	<3.00		3.00		ug/L			08/25/25 21:47	1
Chloroprene	<1.00		1.00		ug/L			08/25/25 21:47	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 21:47	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-464631/6
Matrix: Water
Analysis Batch: 464631

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 21:47	1
Dibromomethane	<1.00		1.00		ug/L			08/25/25 21:47	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			08/25/25 21:47	1
Ethyl methacrylate	<2.00		2.00		ug/L			08/25/25 21:47	1
Ethylbenzene	<1.00		1.00		ug/L			08/25/25 21:47	1
Iodomethane	<10.0		10.0		ug/L			08/25/25 21:47	1
m,p-Xylene	<2.00		2.00		ug/L			08/25/25 21:47	1
Methacrylonitrile	<10.0		10.0		ug/L			08/25/25 21:47	1
Methyl methacrylate	<2.00		2.00		ug/L			08/25/25 21:47	1
Methylene Chloride	<5.00		5.00		ug/L			08/25/25 21:47	1
Naphthalene	<5.00		5.00		ug/L			08/25/25 21:47	1
o-Xylene	<1.00		1.00		ug/L			08/25/25 21:47	1
Propionitrile	<10.0		10.0		ug/L			08/25/25 21:47	1
Styrene	<1.00		1.00		ug/L			08/25/25 21:47	1
Tetrachloroethene	<1.00		1.00		ug/L			08/25/25 21:47	1
Toluene	<1.00		1.00		ug/L			08/25/25 21:47	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			08/25/25 21:47	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			08/25/25 21:47	1
trans-1,4-Dichloro-2-butene	<10.0		10.0		ug/L			08/25/25 21:47	1
Trichloroethene	<1.00		1.00		ug/L			08/25/25 21:47	1
Trichlorofluoromethane	<4.00		4.00		ug/L			08/25/25 21:47	1
Vinyl acetate	<10.0		10.0		ug/L			08/25/25 21:47	1
Vinyl chloride	<1.00		1.00		ug/L			08/25/25 21:47	1
Xylenes, Total	<3.00		3.00		ug/L			08/25/25 21:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*121*		*76 - 130*		*08/25/25 21:47*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*08/25/25 21:47*	*1*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*08/25/25 21:47*	*1*

Lab Sample ID: LCS 310-464631/7
Matrix: Water
Analysis Batch: 464631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	18.56		ug/L		93	70 - 121
1,1,1-Trichloroethane	20.0	18.69		ug/L		93	69 - 130
1,1,2,2-Tetrachloroethane	20.0	17.54		ug/L		88	70 - 122
1,1,2-Trichloroethane	20.0	17.62		ug/L		88	75 - 121
1,1-Dichloroethane	20.0	19.14		ug/L		96	69 - 127
1,1-Dichloroethene	20.0	19.91		ug/L		100	64 - 134
1,1-Dichloropropene	20.0	17.77		ug/L		89	70 - 133
1,2,3-Trichloropropane	20.0	17.07		ug/L		85	70 - 122
1,2,4-Trichlorobenzene	20.0	18.05		ug/L		90	69 - 125
1,2-Dibromo-3-Chloropropane	20.0	17.71		ug/L		89	62 - 132
1,2-Dibromoethane (EDB)	20.0	18.22		ug/L		91	74 - 122
1,2-Dichlorobenzene	20.0	17.81		ug/L		89	74 - 120
1,2-Dichloroethane	20.0	18.42		ug/L		92	68 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-464631/7
Matrix: Water
Analysis Batch: 464631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	20.0	17.04		ug/L		85	72 - 128
1,3-Dichlorobenzene	20.0	18.35		ug/L		92	71 - 120
1,3-Dichloropropane	20.0	17.20		ug/L		86	72 - 125
1,4-Dichlorobenzene	20.0	18.33		ug/L		92	72 - 120
2,2-Dichloropropane	20.0	16.67		ug/L		83	51 - 146
2-Butanone (MEK)	40.0	31.13		ug/L		78	60 - 134
2-Hexanone	40.0	40.55		ug/L		101	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	36.82		ug/L		92	62 - 136
Acetone	40.0	34.64		ug/L		87	59 - 136
Acrolein	94.8	66.12		ug/L		70	50 - 150
Acrylonitrile	200	189.5		ug/L		95	50 - 150
Allyl chloride	20.0	18.22		ug/L		91	61 - 136
Benzene	20.0	18.88		ug/L		94	71 - 125
Bromochloromethane	20.0	19.41		ug/L		97	69 - 131
Bromodichloromethane	20.0	17.03		ug/L		85	70 - 122
Bromoform	20.0	18.04		ug/L		90	62 - 122
Carbon disulfide	20.0	18.85		ug/L		94	58 - 137
Carbon tetrachloride	20.0	19.68		ug/L		98	63 - 136
Chlorobenzene	20.0	17.48		ug/L		87	74 - 120
Chlorodibromomethane	20.0	17.28		ug/L		86	69 - 121
Chloroform	20.0	19.18		ug/L		96	72 - 122
Chloroprene	20.0	17.63		ug/L		88	67 - 136
cis-1,2-Dichloroethene	20.0	19.32		ug/L		97	72 - 123
cis-1,3-Dichloropropene	20.0	16.16		ug/L		81	72 - 123
Dibromomethane	20.0	18.75		ug/L		94	72 - 122
Ethyl methacrylate	20.0	20.47		ug/L		102	68 - 128
Ethylbenzene	20.0	18.45		ug/L		92	75 - 120
Iodomethane	20.0	12.90		ug/L		65	18 - 150
Methacrylonitrile	200	161.8		ug/L		81	67 - 128
Methyl methacrylate	40.0	37.93		ug/L		95	69 - 129
Methylene Chloride	20.0	19.83		ug/L		99	72 - 128
Naphthalene	20.0	17.82		ug/L		89	69 - 126
Propionitrile	200	185.4		ug/L		93	68 - 131
Styrene	20.0	19.37		ug/L		97	74 - 122
Tetrachloroethene	20.0	20.03		ug/L		100	70 - 128
Toluene	20.0	17.69		ug/L		88	74 - 120
trans-1,2-Dichloroethene	20.0	19.91		ug/L		100	67 - 127
trans-1,3-Dichloropropene	20.0	16.15		ug/L		81	67 - 123
trans-1,4-Dichloro-2-butene	20.0	16.82		ug/L		84	50 - 150
Trichloroethene	20.0	17.07		ug/L		85	70 - 128
Vinyl acetate	40.0	36.19		ug/L		90	50 - 150
Xylenes, Total	40.0	37.99		ug/L		95	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*76 - 130*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-464631/8
Matrix: Water
Analysis Batch: 464631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	17.09		ug/L		85	33 - 138
Chloroethane	20.0	20.74		ug/L		104	59 - 139
Chloromethane	20.0	18.58		ug/L		93	52 - 146
Dichlorodifluoromethane	20.0	22.22		ug/L		111	45 - 150
Trichlorofluoromethane	20.0	21.97		ug/L		110	55 - 150
Vinyl chloride	20.0	21.29		ug/L		106	60 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*121*		*76 - 130*
Toluene-d8 (Surr)	*87*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 310-464719/1-A
Matrix: Water
Analysis Batch: 465217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<10.0		10.0		ug/L		08/26/25 07:34	08/29/25 19:44	1
Dibenzo(a,h)anthracene	<10.0		10.0		ug/L		08/26/25 07:34	08/29/25 19:44	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0		ug/L		08/26/25 07:34	08/29/25 19:44	1

Lab Sample ID: MB 310-464719/1-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
1,3,5-Trinitrobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
1,3-Dinitrobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
1,4-Naphthoquinone	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
1,4-phenylenediamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
1-Naphthylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2,4,5-Trichlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2,4,6-Trichlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2,4-Dichlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2,4-Dimethylphenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2,4-Dinitrophenol	<20.0		20.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2,4-Dinitrotoluene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2,6-Dichlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2,6-Dinitrotoluene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2-Acetylaminofluorene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2-Chloronaphthalene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2-Chlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2-Methylnaphthalene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2-Methylphenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2-Naphthylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-464719/1-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2-Nitrophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
3,3'-Dichlorobenzidine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
3,3'-Dimethylbenzidine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
3-Methylcholanthrene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
3-Nitroaniline	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
4,6-Dinitro-2-methylphenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
4-Aminobiphenyl	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
4-Bromophenyl phenyl ether	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
4-Chloro-3-methylphenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
4-Chloroaniline	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
4-Chlorophenyl phenyl ether	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Methylphenol, 3 & 4	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
4-Nitroaniline	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
4-Nitrophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
5-Nitro-o-toluidine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Acenaphthene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Acenaphthylene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Acetophenone	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Anthracene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Benzo[a]anthracene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Benzo[b]fluoranthene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Benzo[g,h,i]perylene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Benzo[k]fluoranthene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Benzyl alcohol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Bis(2-chloroethoxy)methane	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Bis(2-chloroethyl)ether	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
2,2'-oxybis[1-chloropropane]	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Butyl benzyl phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Chlorobenzilate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Chrysene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Diallate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Dibenzofuran	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Diethyl phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Dimethoate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Dimethyl phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Di-n-butyl phthalate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Di-n-octyl phthalate	<20.0		20.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Dinoseb	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Diphenylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Disulfoton	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Ethyl methanesulfonate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Ethyl Parathion	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Famphur	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Fluoranthene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Fluorene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Hexachlorobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-464719/1-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Hexachlorocyclopentadiene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Hexachloroethane	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Hexachloropropene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Isodrin	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Isophorone	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Isosafrole	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Kepone	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Methapyrilene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Methyl methanesulfonate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Methyl parathion	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Nitrobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
N-Nitrosodiethylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
N-Nitrosodimethylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
N-Nitrosodi-n-butylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
N-Nitrosodi-n-propylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
N-Nitrosodiphenylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
N-Nitrosomethylethylamine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
N-Nitrosopiperidine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
N-Nitrosopyrrolidine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
o-Toluidine	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
p-Dimethylamino azobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Pentachlorobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Pentachloronitrobenzene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Pentachlorophenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Phenacetin	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Phenanthrene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Phenol	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Phorate	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Pronamide	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Pyrene	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Safrole	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1
Thionazin	<10.0		10.0		ug/L		08/26/25 07:34	09/05/25 01:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*91*		*21 - 110*	*08/26/25 07:34*	*09/05/25 01:34*	*1*
Phenol-d5 (Surr)	*76*		*21 - 110*	*08/26/25 07:34*	*09/05/25 01:34*	*1*
Nitrobenzene-d5 (Surr)	*121*		*39 - 140*	*08/26/25 07:34*	*09/05/25 01:34*	*1*
2-Fluorobiphenyl (Surr)	*114*		*33 - 126*	*08/26/25 07:34*	*09/05/25 01:34*	*1*
2,4,6-Tribromophenol (Surr)	*106*		*20 - 144*	*08/26/25 07:34*	*09/05/25 01:34*	*1*
Terphenyl-d14 (Surr)	*179*	*S1+*	*13 - 150*	*08/26/25 07:34*	*09/05/25 01:34*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464719/2-A
Matrix: Water
Analysis Batch: 465217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]pyrene	100	83.08		ug/L		83	44 - 133
Dibenzo(a,h)anthracene	100	93.10		ug/L		93	36 - 146
Indeno[1,2,3-cd]pyrene	100	99.48		ug/L		99	36 - 149

Lab Sample ID: LCS 310-464719/2-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4,5-Tetrachlorobenzene	100	76.17		ug/L		76	35 - 110
1,3,5-Trinitrobenzene	51.2	43.37		ug/L		85	26 - 150
1,3-Dinitrobenzene	100	93.90		ug/L		94	36 - 147
1,4-Naphthoquinone	51.2	46.09		ug/L		90	38 - 137
1,4-phenylenediamine	51.2	<1.90	*-	ug/L		-15	20 - 120
1-Naphthylamine	51.2	17.26		ug/L		34	10 - 110
2,3,4,6-Tetrachlorophenol	100	82.29		ug/L		82	32 - 142
2,4,5-Trichlorophenol	100	91.03		ug/L		91	39 - 136
2,4,6-Trichlorophenol	100	90.34		ug/L		90	35 - 141
2,4-Dichlorophenol	100	96.79		ug/L		97	44 - 131
2,4-Dimethylphenol	100	86.36		ug/L		86	30 - 128
2,4-Dinitrophenol	200	106.6		ug/L		53	10 - 150
2,4-Dinitrotoluene	100	91.33		ug/L		91	48 - 136
2,6-Dichlorophenol	100	97.45		ug/L		97	41 - 131
2,6-Dinitrotoluene	100	90.54		ug/L		91	49 - 135
2-Acetylaminofluorene	51.2	35.27		ug/L		69	37 - 149
2-Chloronaphthalene	100	79.48		ug/L		79	33 - 112
2-Chlorophenol	100	90.21		ug/L		90	43 - 119
2-Methylnaphthalene	100	78.26		ug/L		78	35 - 110
2-Methylphenol	100	90.62		ug/L		91	47 - 114
2-Naphthylamine	51.2	23.46		ug/L		46	18 - 111
2-Nitroaniline	100	98.36		ug/L		98	48 - 135
2-Nitrophenol	100	92.84		ug/L		93	36 - 144
3,3'-Dimethylbenzidine	51.2	13.34		ug/L		26	10 - 147
3-Methylcholanthrene	51.2	34.81		ug/L		68	13 - 140
3-Nitroaniline	100	90.61		ug/L		91	38 - 142
4,6-Dinitro-2-methylphenol	200	148.2		ug/L		74	22 - 150
4-Aminobiphenyl	51.2	20.60		ug/L		40	23 - 123
4-Bromophenyl phenyl ether	100	105.7		ug/L		106	41 - 131
4-Chloro-3-methylphenol	100	98.36		ug/L		98	51 - 132
4-Chloroaniline	100	86.69		ug/L		87	13 - 143
4-Chlorophenyl phenyl ether	100	90.54		ug/L		91	44 - 118
Methylphenol, 3 & 4	100	86.36		ug/L		86	45 - 114
4-Nitroaniline	100	94.34		ug/L		94	33 - 141
4-Nitrophenol	200	119.9		ug/L		60	22 - 110
5-Nitro-o-toluidine	51.2	49.15		ug/L		96	43 - 139
7,12-Dimethylbenz(a)anthracene	51.2	35.10		ug/L		69	47 - 129
Acenaphthene	100	86.42		ug/L		86	38 - 118
Acenaphthylene	100	80.52		ug/L		81	39 - 115
Acetophenone	100	97.00		ug/L		97	47 - 118

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464719/2-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	100	100.9		ug/L		101	49 - 127
Benzo[a]anthracene	100	98.02		ug/L		98	49 - 126
Benzo[b]fluoranthene	100	81.38		ug/L		81	44 - 136
Benzo[g,h,i]perylene	100	102.7		ug/L		103	42 - 135
Benzo[k]fluoranthene	100	94.33		ug/L		94	49 - 134
Benzyl alcohol	100	91.13		ug/L		91	46 - 123
Bis(2-chloroethoxy)methane	100	99.16		ug/L		99	44 - 126
Bis(2-chloroethyl)ether	100	85.83		ug/L		86	41 - 116
2,2'-oxybis[1-chloropropane]	100	83.71		ug/L		84	36 - 115
Bis(2-ethylhexyl) phthalate	100	75.96		ug/L		76	46 - 138
Butyl benzyl phthalate	100	96.50		ug/L		97	47 - 133
Chlorobenzilate	51.2	39.25		ug/L		77	39 - 145
Chrysene	100	105.2		ug/L		105	50 - 128
Diallate	44.8	61.12	*+	ug/L		136	40 - 135
Dibenzofuran	100	89.92		ug/L		90	44 - 114
Diethyl phthalate	100	96.15		ug/L		96	43 - 135
Dimethoate	44.8	63.82		ug/L		142	31 - 150
Dimethyl phthalate	100	97.20		ug/L		97	46 - 129
Di-n-butyl phthalate	100	102.6		ug/L		103	49 - 138
Di-n-octyl phthalate	100	64.94		ug/L		65	33 - 148
Dinoseb	51.2	31.28		ug/L		61	22 - 150
Disulfoton	44.8	52.59		ug/L		117	27 - 138
Ethyl methanesulfonate	51.2	40.46		ug/L		79	44 - 110
Ethyl Parathion	44.8	51.18		ug/L		114	52 - 141
Famphur	44.8	91.29	E *+	ug/L		204	67 - 150
Fluoranthene	100	102.0		ug/L		102	49 - 132
Fluorene	100	93.17		ug/L		93	46 - 118
Hexachlorobenzene	100	102.9		ug/L		103	42 - 134
Hexachlorobutadiene	100	73.19		ug/L		73	29 - 110
Hexachlorocyclopentadiene	100	61.11		ug/L		61	10 - 110
Hexachloroethane	100	61.31		ug/L		61	25 - 110
Hexachloropropene	51.2	9.251	J	ug/L		18	10 - 110
Isodrin	51.2	46.87		ug/L		92	50 - 122
Isophorone	100	97.42		ug/L		97	46 - 126
Methapyrilene	44.8	12.42		ug/L		28	10 - 110
Methyl methanesulfonate	51.2	28.78		ug/L		56	16 - 110
Methyl parathion	44.8	65.39		ug/L		146	49 - 150
Nitrobenzene	100	92.87		ug/L		93	42 - 123
N-Nitrosodiethylamine	51.2	43.54		ug/L		85	51 - 116
N-Nitrosodimethylamine	100	76.45		ug/L		76	37 - 110
N-Nitrosodi-n-butylamine	51.2	45.79		ug/L		89	49 - 135
N-Nitrosodi-n-propylamine	100	98.04		ug/L		98	44 - 124
N-Nitrosodiphenylamine	100	96.51		ug/L		97	43 - 132
N-Nitrosomethylethylamine	51.2	42.68		ug/L		83	43 - 114
N-Nitrosopiperidine	51.2	47.24		ug/L		92	50 - 120
N-Nitrosopyrrolidine	51.2	47.95		ug/L		94	47 - 129
o,o',o''-Triethylphosphorothioate	44.8	48.77		ug/L		109	34 - 125
o-Toluidine	51.2	35.51		ug/L		69	19 - 128
p-Dimethylamino azobenzene	51.2	45.50		ug/L		89	45 - 133

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464719/2-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464719

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Pentachlorobenzene			51.2	39.53		ug/L		77	27 - 112		
Pentachloronitrobenzene			51.2	55.86		ug/L		109	45 - 132		
Pentachlorophenol			200	119.5		ug/L		60	28 - 142		
Phenacetin			51.2	52.29		ug/L		102	51 - 139		
Phenanthrene			100	101.8		ug/L		102	48 - 126		
Phenol			100	61.77		ug/L		62	29 - 110		
Phorate			44.8	55.16		ug/L		123	21 - 147		
Pronamide			51.2	48.85		ug/L		95	52 - 135		
Pyrene			100	107.4		ug/L		107	45 - 134		
Safrole			44.8	44.24		ug/L		99	26 - 117		
Thionazin			44.8	57.00		ug/L		127	48 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*76*		*21 - 110*
Phenol-d5 (Surr)	*63*		*21 - 110*
Nitrobenzene-d5 (Surr)	*100*		*39 - 140*
2-Fluorobiphenyl (Surr)	*96*		*33 - 126*
2,4,6-Tribromophenol (Surr)	*108*		*20 - 144*
Terphenyl-d14 (Surr)	*101*		*13 - 150*

Lab Sample ID: LCSD 310-464719/3-A
Matrix: Water
Analysis Batch: 465217

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464719

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]pyrene			100	70.43		ug/L		70	44 - 133	16	35
Dibenzo(a,h)anthracene			100	84.23		ug/L		84	36 - 146	10	35
Indeno[1,2,3-cd]pyrene			100	85.48		ug/L		85	36 - 149	15	35

Lab Sample ID: LCSD 310-464719/3-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464719

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene			100	68.35		ug/L		68	35 - 110	11	35
1,3,5-Trinitrobenzene			51.2	38.20		ug/L		75	26 - 150	13	29
1,3-Dinitrobenzene			100	84.48		ug/L		84	36 - 147	11	35
1,4-Naphthoquinone			51.2	39.85		ug/L		78	38 - 137	15	27
1,4-phenylenediamine			51.2	11.20	*1	ug/L		22	20 - 120	1013	35
1-Naphthylamine			51.2	16.04		ug/L		31	10 - 110	7	35
2,3,4,6-Tetrachlorophenol			100	72.70		ug/L		73	32 - 142	12	35
2,4,5-Trichlorophenol			100	81.01		ug/L		81	39 - 136	12	35
2,4,6-Trichlorophenol			100	81.91		ug/L		82	35 - 141	10	35
2,4-Dichlorophenol			100	90.11		ug/L		90	44 - 131	7	35
2,4-Dimethylphenol			100	78.30		ug/L		78	30 - 128	10	35
2,4-Dinitrophenol			200	94.90		ug/L		47	10 - 150	12	35
2,4-Dinitrotoluene			100	80.86		ug/L		81	48 - 136	12	35
2,6-Dichlorophenol			100	88.03		ug/L		88	41 - 131	10	35
2,6-Dinitrotoluene			100	84.28		ug/L		84	49 - 135	7	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-464719/3-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464719

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Acetylaminofluorene	51.2	34.73		ug/L		68	37 - 149	2	26
2-Chloronaphthalene	100	69.82		ug/L		70	33 - 112	13	35
2-Chlorophenol	100	84.17		ug/L		84	43 - 119	7	35
2-Methylnaphthalene	100	72.17		ug/L		72	35 - 110	8	35
2-Methylphenol	100	84.47		ug/L		84	47 - 114	7	35
2-Naphthylamine	51.2	22.14		ug/L		43	18 - 111	6	35
2-Nitroaniline	100	84.70		ug/L		85	48 - 135	15	35
2-Nitrophenol	100	87.51		ug/L		88	36 - 144	6	35
3,3'-Dimethylbenzidine	51.2	15.71		ug/L		31	10 - 147	16	35
3-Methylcholanthrene	51.2	32.93		ug/L		64	13 - 140	6	35
3-Nitroaniline	100	82.89		ug/L		83	38 - 142	9	35
4,6-Dinitro-2-methylphenol	200	137.1		ug/L		69	22 - 150	8	35
4-Aminobiphenyl	51.2	21.12		ug/L		41	23 - 123	3	35
4-Bromophenyl phenyl ether	100	92.89		ug/L		93	41 - 131	13	35
4-Chloro-3-methylphenol	100	89.19		ug/L		89	51 - 132	10	35
4-Chloroaniline	100	80.91		ug/L		81	13 - 143	7	35
4-Chlorophenyl phenyl ether	100	80.23		ug/L		80	44 - 118	12	35
Methylphenol, 3 & 4	100	80.55		ug/L		81	45 - 114	7	35
4-Nitroaniline	100	84.32		ug/L		84	33 - 141	11	35
4-Nitrophenol	200	106.4		ug/L		53	22 - 110	12	35
5-Nitro-o-toluidine	51.2	42.03		ug/L		82	43 - 139	16	32
7,12-Dimethylbenz(a)anthracene	51.2	30.78		ug/L		60	47 - 129	13	29
Acenaphthene	100	77.61		ug/L		78	38 - 118	11	35
Acenaphthylene	100	71.47		ug/L		71	39 - 115	12	35
Acetophenone	100	88.00		ug/L		88	47 - 118	10	35
Anthracene	100	88.95		ug/L		89	49 - 127	13	35
Benzo[a]anthracene	100	86.07		ug/L		86	49 - 126	13	35
Benzo[b]fluoranthene	100	82.56		ug/L		83	44 - 136	1	35
Benzo[g,h,i]perylene	100	94.45		ug/L		94	42 - 135	8	35
Benzo[k]fluoranthene	100	89.51		ug/L		90	49 - 134	5	35
Benzyl alcohol	100	85.70		ug/L		86	46 - 123	6	35
Bis(2-chloroethoxy)methane	100	91.35		ug/L		91	44 - 126	8	35
Bis(2-chloroethyl)ether	100	82.72		ug/L		83	41 - 116	4	35
2,2'-oxybis[1-chloropropane]	100	75.05		ug/L		75	36 - 115	11	35
Bis(2-ethylhexyl) phthalate	100	71.50		ug/L		71	46 - 138	6	35
Butyl benzyl phthalate	100	86.57		ug/L		87	47 - 133	11	35
Chlorobenzilate	51.2	36.18		ug/L		71	39 - 145	8	28
Chrysene	100	77.78		ug/L		78	50 - 128	30	35
Diallate	44.8	52.65		ug/L		118	40 - 135	15	29
Dibenzofuran	100	80.30		ug/L		80	44 - 114	11	35
Diethyl phthalate	100	86.64		ug/L		87	43 - 135	10	35
Dimethoate	44.8	56.38		ug/L		126	31 - 150	12	35
Dimethyl phthalate	100	89.88		ug/L		90	46 - 129	8	35
Di-n-butyl phthalate	100	93.52		ug/L		94	49 - 138	9	35
Di-n-octyl phthalate	100	65.12		ug/L		65	33 - 148	0	35
Dinoseb	51.2	29.18		ug/L		57	22 - 150	7	35
Disulfoton	44.8	46.04		ug/L		103	27 - 138	13	32
Ethyl methanesulfonate	51.2	35.97		ug/L		70	44 - 110	12	30
Ethyl Parathion	44.8	47.32		ug/L		106	52 - 141	8	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-464719/3-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464719

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Famphur			44.8	77.26	E *+	ug/L		172	67 - 150	17	28
Fluoranthene			100	90.39		ug/L		90	49 - 132	12	35
Fluorene			100	81.17		ug/L		81	46 - 118	14	35
Hexachlorobenzene			100	91.01		ug/L		91	42 - 134	12	35
Hexachlorobutadiene			100	69.48		ug/L		69	29 - 110	5	35
Hexachlorocyclopentadiene			100	53.16		ug/L		53	10 - 110	14	35
Hexachloroethane			100	58.29		ug/L		58	25 - 110	5	35
Hexachloropropene			51.2	7.722	J	ug/L		15	10 - 110	18	35
Isodrin			51.2	42.17		ug/L		82	50 - 122	11	28
Isophorone			100	88.56		ug/L		89	46 - 126	10	35
Methapyrilene			44.8	15.61		ug/L		35	10 - 110	23	35
Methyl methanesulfonate			51.2	24.64		ug/L		48	16 - 110	15	28
Methyl parathion			44.8	56.86		ug/L		127	49 - 150	14	29
Nitrobenzene			100	87.18		ug/L		87	42 - 123	6	35
N-Nitrosodiethylamine			51.2	39.44		ug/L		77	51 - 116	10	27
N-Nitrosodimethylamine			100	69.82		ug/L		70	37 - 110	9	35
N-Nitrosodi-n-butylamine			51.2	40.83		ug/L		80	49 - 135	11	28
N-Nitrosodi-n-propylamine			100	88.41		ug/L		88	44 - 124	10	35
N-Nitrosodiphenylamine			100	86.71		ug/L		87	43 - 132	11	35
N-Nitrosomethylethylamine			51.2	40.15		ug/L		78	43 - 114	6	29
N-Nitrosopiperidine			51.2	41.15		ug/L		80	50 - 120	14	26
N-Nitrosopyrrolidine			51.2	43.05		ug/L		84	47 - 129	11	31
o,o',o''-Triethylphosphorothioate			44.8	43.11		ug/L		96	34 - 125	12	33
o-Toluidine			51.2	33.99		ug/L		66	19 - 128	4	35
p-Dimethylamino azobenzene			51.2	41.15		ug/L		80	45 - 133	10	31
Pentachlorobenzene			51.2	33.05		ug/L		65	27 - 112	18	35
Pentachloronitrobenzene			51.2	42.42		ug/L		83	45 - 132	27	29
Pentachlorophenol			200	114.7		ug/L		57	28 - 142	4	35
Phenacetin			51.2	44.62		ug/L		87	51 - 139	16	29
Phenanthrene			100	92.23		ug/L		92	48 - 126	10	35
Phenol			100	56.26		ug/L		56	29 - 110	9	35
Phorate			44.8	48.82		ug/L		109	21 - 147	12	35
Pronamide			51.2	44.53		ug/L		87	52 - 135	9	28
Pyrene			100	88.98		ug/L		89	45 - 134	19	35
Safrole			44.8	40.52		ug/L		90	26 - 117	9	35
Thionazin			44.8	49.01		ug/L		109	48 - 135	15	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*68*		*21 - 110*
Phenol-d5 (Surr)	*57*		*21 - 110*
Nitrobenzene-d5 (Surr)	*85*		*39 - 140*
2-Fluorobiphenyl (Surr)	*79*		*33 - 126*
2,4,6-Tribromophenol (Surr)	*93*		*20 - 144*
Terphenyl-d14 (Surr)	*80*		*13 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-464848/1-A
Matrix: Water
Analysis Batch: 465217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464848

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<10.0		10.0		ug/L		08/27/25 07:17	08/29/25 15:22	1
Dibenzo(a,h)anthracene	<10.0		10.0		ug/L		08/27/25 07:17	08/29/25 15:22	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0		ug/L		08/27/25 07:17	08/29/25 15:22	1

Lab Sample ID: MB 310-464848/1-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464848

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
1,3,5-Trinitrobenzene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
1,3-Dinitrobenzene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
1,4-Naphthoquinone	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
1,4-phenylenediamine	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
1-Naphthylamine	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2,4,5-Trichlorophenol	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2,4,6-Trichlorophenol	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2,4-Dichlorophenol	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2,4-Dimethylphenol	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2,4-Dinitrophenol	<20.0		20.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2,4-Dinitrotoluene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2,6-Dichlorophenol	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2,6-Dinitrotoluene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2-Acetylaminofluorene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2-Chloronaphthalene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2-Chlorophenol	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2-Methylnaphthalene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2-Methylphenol	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2-Naphthylamine	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2-Nitroaniline	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2-Nitrophenol	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
3,3'-Dichlorobenzidine	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
3,3'-Dimethylbenzidine	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
3-Methylcholanthrene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
3-Nitroaniline	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
4,6-Dinitro-2-methylphenol	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
4-Aminobiphenyl	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
4-Bromophenyl phenyl ether	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
4-Chloro-3-methylphenol	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
4-Chloroaniline	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
4-Chlorophenyl phenyl ether	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Methylphenol, 3 & 4	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
4-Nitroaniline	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
4-Nitrophenol	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
5-Nitro-o-toluidine	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Acenaphthene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Acenaphthylene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-464848/1-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464848

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Anthracene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Benzo[a]anthracene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Benzo[b]fluoranthene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Benzo[g,h,i]perylene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Benzo[k]fluoranthene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Benzyl alcohol	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Bis(2-chloroethoxy)methane	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Bis(2-chloroethyl)ether	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
2,2'-oxybis[1-chloropropane]	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Butyl benzyl phthalate	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Chlorobenzilate	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Chrysene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Diallate	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Dibenzofuran	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Diethyl phthalate	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Dimethoate	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Dimethyl phthalate	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Di-n-butyl phthalate	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Di-n-octyl phthalate	<20.0		20.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Dinoseb	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Diphenylamine	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Disulfoton	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Ethyl methanesulfonate	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Ethyl Parathion	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Famphur	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Fluoranthene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Fluorene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Hexachlorobenzene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Hexachlorobutadiene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Hexachlorocyclopentadiene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Hexachloroethane	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Hexachloropropene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Isodrin	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Isophorone	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Isosafrole	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Kepone	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Methapyrilene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Methyl methanesulfonate	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Methyl parathion	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Nitrobenzene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
N-Nitrosodiethylamine	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
N-Nitrosodimethylamine	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
N-Nitrosodi-n-butylamine	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
N-Nitrosodi-n-propylamine	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
N-Nitrosodiphenylamine	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
N-Nitrosomethylethylamine	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
N-Nitrosopiperidine	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-464848/1-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464848

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosopyrrolidine	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
o-Toluidine	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
p-Dimethylamino azobenzene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Pentachlorobenzene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Pentachloronitrobenzene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Pentachlorophenol	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Phenacetin	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Phenanthrene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Phenol	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Phorate	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Pronamide	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Pyrene	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Safrole	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1
Thionazin	<10.0		10.0		ug/L		08/27/25 07:17	09/04/25 21:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*78*		*21 - 110*	*08/27/25 07:17*	*09/04/25 21:11*	*1*
Phenol-d5 (Surr)	*66*		*21 - 110*	*08/27/25 07:17*	*09/04/25 21:11*	*1*
Nitrobenzene-d5 (Surr)	*101*		*39 - 140*	*08/27/25 07:17*	*09/04/25 21:11*	*1*
2-Fluorobiphenyl (Surr)	*101*		*33 - 126*	*08/27/25 07:17*	*09/04/25 21:11*	*1*
2,4,6-Tribromophenol (Surr)	*92*		*20 - 144*	*08/27/25 07:17*	*09/04/25 21:11*	*1*
Terphenyl-d14 (Surr)	*169*	*S1+*	*13 - 150*	*08/27/25 07:17*	*09/04/25 21:11*	*1*

Lab Sample ID: LCS 310-464848/2-A
Matrix: Water
Analysis Batch: 465217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]pyrene	100	88.69		ug/L		89	44 - 133
Dibenzo(a,h)anthracene	100	103.4		ug/L		103	36 - 146
Indeno[1,2,3-cd]pyrene	100	108.4		ug/L		108	36 - 149

Lab Sample ID: LCS 310-464848/2-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4,5-Tetrachlorobenzene	100	78.93		ug/L		79	35 - 110
1,3,5-Trinitrobenzene	51.2	39.36		ug/L		77	26 - 150
1,3-Dinitrobenzene	100	90.76		ug/L		91	36 - 147
1,4-Naphthoquinone	51.2	45.47		ug/L		89	38 - 137
1,4-phenylenediamine	51.2	<1.90	*-	ug/L		0	20 - 120
1-Naphthylamine	51.2	17.67		ug/L		35	10 - 110
2,3,4,6-Tetrachlorophenol	100	82.47		ug/L		82	32 - 142
2,4,5-Trichlorophenol	100	90.99		ug/L		91	39 - 136
2,4,6-Trichlorophenol	100	91.14		ug/L		91	35 - 141
2,4-Dichlorophenol	100	97.60		ug/L		98	44 - 131
2,4-Dimethylphenol	100	95.31		ug/L		95	30 - 128

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464848/2-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrophenol	200	114.4		ug/L		57	10 - 150
2,4-Dinitrotoluene	100	87.86		ug/L		88	48 - 136
2,6-Dichlorophenol	100	97.50		ug/L		98	41 - 131
2,6-Dinitrotoluene	100	89.42		ug/L		89	49 - 135
2-Acetylaminofluorene	51.2	40.58		ug/L		79	37 - 149
2-Chloronaphthalene	100	76.54		ug/L		77	33 - 112
2-Chlorophenol	100	89.19		ug/L		89	43 - 119
2-Methylnaphthalene	100	77.79		ug/L		78	35 - 110
2-Methylphenol	100	88.04		ug/L		88	47 - 114
2-Naphthylamine	51.2	23.77		ug/L		46	18 - 111
2-Nitroaniline	100	93.72		ug/L		94	48 - 135
2-Nitrophenol	100	91.79		ug/L		92	36 - 144
3,3'-Dimethylbenzidine	51.2	16.18		ug/L		32	10 - 147
3-Methylcholanthrene	51.2	40.11		ug/L		78	13 - 140
3-Nitroaniline	100	85.90		ug/L		86	38 - 142
4,6-Dinitro-2-methylphenol	200	147.4		ug/L		74	22 - 150
4-Aminobiphenyl	51.2	20.03		ug/L		39	23 - 123
4-Bromophenyl phenyl ether	100	93.03		ug/L		93	41 - 131
4-Chloro-3-methylphenol	100	98.11		ug/L		98	51 - 132
4-Chloroaniline	100	83.84		ug/L		84	13 - 143
4-Chlorophenyl phenyl ether	100	87.80		ug/L		88	44 - 118
Methylphenol, 3 & 4	100	85.06		ug/L		85	45 - 114
4-Nitroaniline	100	87.90		ug/L		88	33 - 141
4-Nitrophenol	200	117.8		ug/L		59	22 - 110
5-Nitro-o-toluidine	51.2	48.57		ug/L		95	43 - 139
7,12-Dimethylbenz(a)anthracene	51.2	35.55		ug/L		69	47 - 129
Acenaphthene	100	82.46		ug/L		82	38 - 118
Acenaphthylene	100	80.10		ug/L		80	39 - 115
Acetophenone	100	92.92		ug/L		93	47 - 118
Anthracene	100	89.84		ug/L		90	49 - 127
Benzo[a]anthracene	100	93.34		ug/L		93	49 - 126
Benzo[b]fluoranthene	100	90.57		ug/L		91	44 - 136
Benzo[g,h,i]perylene	100	100.5		ug/L		101	42 - 135
Benzo[k]fluoranthene	100	92.11		ug/L		92	49 - 134
Benzyl alcohol	100	88.80		ug/L		89	46 - 123
Bis(2-chloroethoxy)methane	100	96.95		ug/L		97	44 - 126
Bis(2-chloroethyl)ether	100	87.02		ug/L		87	41 - 116
2,2'-oxybis[1-chloropropane]	100	82.53		ug/L		83	36 - 115
Bis(2-ethylhexyl) phthalate	100	86.21		ug/L		86	46 - 138
Butyl benzyl phthalate	100	92.38		ug/L		92	47 - 133
Chlorobenzilate	51.2	42.32		ug/L		83	39 - 145
Chrysene	100	90.63		ug/L		91	50 - 128
Diallate	44.8	55.11		ug/L		123	40 - 135
Dibenzofuran	100	87.14		ug/L		87	44 - 114
Diethyl phthalate	100	95.52		ug/L		96	43 - 135
Dimethoate	44.8	60.91		ug/L		136	31 - 150
Dimethyl phthalate	100	93.45		ug/L		93	46 - 129
Di-n-butyl phthalate	100	93.08		ug/L		93	49 - 138
Di-n-octyl phthalate	100	86.21		ug/L		86	33 - 148

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-464848/2-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dinoseb	51.2	32.00		ug/L		62	22 - 150
Disulfoton	44.8	48.90		ug/L		109	27 - 138
Ethyl methanesulfonate	51.2	41.51		ug/L		81	44 - 110
Ethyl Parathion	44.8	47.67		ug/L		106	52 - 141
Famphur	44.8	91.69	E *+	ug/L		205	67 - 150
Fluoranthene	100	92.85		ug/L		93	49 - 132
Fluorene	100	88.32		ug/L		88	46 - 118
Hexachlorobenzene	100	93.48		ug/L		93	42 - 134
Hexachlorobutadiene	100	74.42		ug/L		74	29 - 110
Hexachlorocyclopentadiene	100	59.77		ug/L		60	10 - 110
Hexachloroethane	100	62.20		ug/L		62	25 - 110
Hexachloropropene	51.2	7.574	J	ug/L		15	10 - 110
Isodrin	51.2	43.29		ug/L		85	50 - 122
Isophorone	100	96.71		ug/L		97	46 - 126
Methapyrilene	44.8	28.64		ug/L		64	10 - 110
Methyl methanesulfonate	51.2	28.40		ug/L		55	16 - 110
Methyl parathion	44.8	58.26		ug/L		130	49 - 150
Nitrobenzene	100	93.74		ug/L		94	42 - 123
N-Nitrosodiethylamine	51.2	43.32		ug/L		85	51 - 116
N-Nitrosodimethylamine	100	76.87		ug/L		77	37 - 110
N-Nitrosodi-n-butylamine	51.2	46.61		ug/L		91	49 - 135
N-Nitrosodi-n-propylamine	100	95.44		ug/L		95	44 - 124
N-Nitrosodiphenylamine	100	94.77		ug/L		95	43 - 132
N-Nitrosomethylethylamine	51.2	43.39		ug/L		85	43 - 114
N-Nitrosopiperidine	51.2	48.63		ug/L		95	50 - 120
N-Nitrosopyrrolidine	51.2	50.03		ug/L		98	47 - 129
o,o',o''-Triethylphosphorothioate	44.8	46.54		ug/L		104	34 - 125
o-Toluidine	51.2	33.83		ug/L		66	19 - 128
p-Dimethylamino azobenzene	51.2	44.26		ug/L		86	45 - 133
Pentachlorobenzene	51.2	34.11		ug/L		67	27 - 112
Pentachloronitrobenzene	51.2	47.11		ug/L		92	45 - 132
Pentachlorophenol	200	127.4		ug/L		64	28 - 142
Phenacetin	51.2	49.63		ug/L		97	51 - 139
Phenanthrene	100	90.79		ug/L		91	48 - 126
Phenol	100	59.33		ug/L		59	29 - 110
Phorate	44.8	52.01		ug/L		116	21 - 147
Pronamide	51.2	45.85		ug/L		90	52 - 135
Pyrene	100	95.99		ug/L		96	45 - 134
Safrole	44.8	42.90		ug/L		96	26 - 117
Thionazin	44.8	54.77		ug/L		122	48 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*74*		*21 - 110*
Phenol-d5 (Surr)	*61*		*21 - 110*
Nitrobenzene-d5 (Surr)	*96*		*39 - 140*
2-Fluorobiphenyl (Surr)	*89*		*33 - 126*
2,4,6-Tribromophenol (Surr)	*104*		*20 - 144*
Terphenyl-d14 (Surr)	*131*		*13 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-464848/3-A
Matrix: Water
Analysis Batch: 465217

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464848

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]pyrene			100	88.29		ug/L		88	44 - 133	0	35
Dibenzo(a,h)anthracene			100	105.7		ug/L		106	36 - 146	2	35
Indeno[1,2,3-cd]pyrene			100	112.4		ug/L		112	36 - 149	4	35

Lab Sample ID: LCSD 310-464848/3-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464848

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene			100	78.22		ug/L		78	35 - 110	1	35
1,3,5-Trinitrobenzene			51.2	42.68		ug/L		83	26 - 150	8	29
1,3-Dinitrobenzene			100	96.92		ug/L		97	36 - 147	7	35
1,4-Naphthoquinone			51.2	49.13		ug/L		96	38 - 137	8	27
1,4-phenylenediamine			51.2	<1.90	*-	ug/L		0	20 - 120	NC	35
1-Naphthylamine			51.2	5.688	J *1	ug/L		11	10 - 110	103	35
2,3,4,6-Tetrachlorophenol			100	93.68		ug/L		94	32 - 142	13	35
2,4,5-Trichlorophenol			100	99.91		ug/L		100	39 - 136	9	35
2,4,6-Trichlorophenol			100	98.58		ug/L		99	35 - 141	8	35
2,4-Dichlorophenol			100	99.82		ug/L		100	44 - 131	2	35
2,4-Dimethylphenol			100	96.86		ug/L		97	30 - 128	2	35
2,4-Dinitrophenol			200	138.2		ug/L		69	10 - 150	19	35
2,4-Dinitrotoluene			100	96.90		ug/L		97	48 - 136	10	35
2,6-Dichlorophenol			100	100.2		ug/L		100	41 - 131	3	35
2,6-Dinitrotoluene			100	93.79		ug/L		94	49 - 135	5	35
2-Acetylaminofluorene			51.2	40.34		ug/L		79	37 - 149	1	26
2-Chloronaphthalene			100	77.07		ug/L		77	33 - 112	1	35
2-Chlorophenol			100	93.00		ug/L		93	43 - 119	4	35
2-Methylnaphthalene			100	79.63		ug/L		80	35 - 110	2	35
2-Methylphenol			100	95.47		ug/L		95	47 - 114	8	35
2-Naphthylamine			51.2	23.06		ug/L		45	18 - 111	3	35
2-Nitroaniline			100	100.0		ug/L		100	48 - 135	7	35
2-Nitrophenol			100	93.35		ug/L		93	36 - 144	2	35
3,3'-Dimethylbenzidine			51.2	8.970	J *1	ug/L		18	10 - 147	57	35
3-Methylcholanthrene			51.2	44.42		ug/L		87	13 - 140	10	35
3-Nitroaniline			100	94.94		ug/L		95	38 - 142	10	35
4,6-Dinitro-2-methylphenol			200	168.2		ug/L		84	22 - 150	13	35
4-Aminobiphenyl			51.2	22.63		ug/L		44	23 - 123	12	35
4-Bromophenyl phenyl ether			100	94.24		ug/L		94	41 - 131	1	35
4-Chloro-3-methylphenol			100	100.4		ug/L		100	51 - 132	2	35
4-Chloroaniline			100	90.15		ug/L		90	13 - 143	7	35
4-Chlorophenyl phenyl ether			100	92.35		ug/L		92	44 - 118	5	35
Methylphenol, 3 & 4			100	92.11		ug/L		92	45 - 114	8	35
4-Nitroaniline			100	98.44		ug/L		98	33 - 141	11	35
4-Nitrophenol			200	133.5		ug/L		67	22 - 110	13	35
5-Nitro-o-toluidine			51.2	51.07		ug/L		100	43 - 139	5	32
7,12-Dimethylbenz(a)anthracene			51.2	38.00		ug/L		74	47 - 129	7	29
Acenaphthene			100	84.64		ug/L		85	38 - 118	3	35
Acenaphthylene			100	81.75		ug/L		82	39 - 115	2	35
Acetophenone			100	97.10		ug/L		97	47 - 118	4	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-464848/3-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464848

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Anthracene	100	96.80		ug/L		97	49 - 127	7	35
Benzo[a]anthracene	100	99.97		ug/L		100	49 - 126	7	35
Benzo[b]fluoranthene	100	96.81		ug/L		97	44 - 136	7	35
Benzo[g,h,i]perylene	100	103.6		ug/L		104	42 - 135	3	35
Benzo[k]fluoranthene	100	101.2		ug/L		101	49 - 134	9	35
Benzyl alcohol	100	92.41		ug/L		92	46 - 123	4	35
Bis(2-chloroethoxy)methane	100	100.7		ug/L		101	44 - 126	4	35
Bis(2-chloroethyl)ether	100	90.24		ug/L		90	41 - 116	4	35
2,2'-oxybis[1-chloropropane]	100	85.74		ug/L		86	36 - 115	4	35
Bis(2-ethylhexyl) phthalate	100	92.25		ug/L		92	46 - 138	7	35
Butyl benzyl phthalate	100	98.87		ug/L		99	47 - 133	7	35
Chlorobenzilate	51.2	43.14		ug/L		84	39 - 145	2	28
Chrysene	100	89.15		ug/L		89	50 - 128	2	35
Diallate	44.8	53.09		ug/L		119	40 - 135	4	29
Dibenzofuran	100	90.64		ug/L		91	44 - 114	4	35
Diethyl phthalate	100	101.2		ug/L		101	43 - 135	6	35
Dimethoate	44.8	64.73		ug/L		144	31 - 150	6	35
Dimethyl phthalate	100	101.0		ug/L		101	46 - 129	8	35
Di-n-butyl phthalate	100	99.43		ug/L		99	49 - 138	7	35
Di-n-octyl phthalate	100	93.64		ug/L		94	33 - 148	8	35
Dinoseb	51.2	34.59		ug/L		68	22 - 150	8	35
Disulfoton	44.8	49.86		ug/L		111	27 - 138	2	32
Ethyl methanesulfonate	51.2	40.35		ug/L		79	44 - 110	3	30
Ethyl Parathion	44.8	52.30		ug/L		117	52 - 141	9	30
Famphur	44.8	94.36	E *+	ug/L		211	67 - 150	3	28
Fluoranthene	100	97.98		ug/L		98	49 - 132	5	35
Fluorene	100	93.86		ug/L		94	46 - 118	6	35
Hexachlorobenzene	100	98.07		ug/L		98	42 - 134	5	35
Hexachlorobutadiene	100	75.64		ug/L		76	29 - 110	2	35
Hexachlorocyclopentadiene	100	61.50		ug/L		61	10 - 110	3	35
Hexachloroethane	100	60.76		ug/L		61	25 - 110	2	35
Hexachloropropene	51.2	7.149	J	ug/L		14	10 - 110	6	35
Isodrin	51.2	44.75		ug/L		87	50 - 122	3	28
Isophorone	100	101.1		ug/L		101	46 - 126	4	35
Methapyrilene	44.8	1.455	J *- *1	ug/L		3	10 - 110	181	35
Methyl methanesulfonate	51.2	28.06		ug/L		55	16 - 110	1	28
Methyl parathion	44.8	61.96		ug/L		138	49 - 150	6	29
Nitrobenzene	100	94.20		ug/L		94	42 - 123	0	35
N-Nitrosodiethylamine	51.2	43.47		ug/L		85	51 - 116	0	27
N-Nitrosodimethylamine	100	78.24		ug/L		78	37 - 110	2	35
N-Nitrosodi-n-butylamine	51.2	47.11		ug/L		92	49 - 135	1	28
N-Nitrosodi-n-propylamine	100	97.67		ug/L		98	44 - 124	2	35
N-Nitrosodiphenylamine	100	102.4		ug/L		102	43 - 132	8	35
N-Nitrosomethylethylamine	51.2	43.62		ug/L		85	43 - 114	1	29
N-Nitrosopiperidine	51.2	50.33		ug/L		98	50 - 120	3	26
N-Nitrosopyrrolidine	51.2	48.06		ug/L		94	47 - 129	4	31
o,o',o''-Triethylphosphorothioate	44.8	48.59		ug/L		108	34 - 125	4	33
o-Toluidine	51.2	35.14		ug/L		69	19 - 128	4	35
p-Dimethylamino azobenzene	51.2	50.06		ug/L		98	45 - 133	12	31

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-464848/3-A
Matrix: Water
Analysis Batch: 465678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 464848

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pentachlorobenzene			51.2	32.99		ug/L		64	27 - 112	3	35
Pentachloronitrobenzene			51.2	42.73		ug/L		83	45 - 132	10	29
Pentachlorophenol			200	151.4		ug/L		76	28 - 142	17	35
Phenacetin			51.2	51.50		ug/L		101	51 - 139	4	29
Phenanthrene			100	96.59		ug/L		97	48 - 126	6	35
Phenol			100	64.96		ug/L		65	29 - 110	9	35
Phorate			44.8	52.68		ug/L		118	21 - 147	1	35
Pronamide			51.2	49.95		ug/L		98	52 - 135	9	28
Pyrene			100	100.3		ug/L		100	45 - 134	4	35
Safrole			44.8	42.22		ug/L		94	26 - 117	2	35
Thionazin			44.8	60.70		ug/L		135	48 - 135	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*75*		*21 - 110*
Phenol-d5 (Surr)	*62*		*21 - 110*
Nitrobenzene-d5 (Surr)	*95*		*39 - 140*
2-Fluorobiphenyl (Surr)	*90*		*33 - 126*
2,4,6-Tribromophenol (Surr)	*106*		*20 - 144*
Terphenyl-d14 (Surr)	*129*		*13 - 150*

Method: 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Lab Sample ID: MB 310-464746/4
Matrix: Water
Analysis Batch: 464746

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0		mg/L			08/26/25 11:36	1
Isobutanol	<10.0		10.0		mg/L			08/26/25 11:36	1

Lab Sample ID: LCS 310-464746/5
Matrix: Water
Analysis Batch: 464746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetonitrile			49.6	45.00		mg/L		91	67 - 131		
Isobutanol			47.8	43.89		mg/L		92	80 - 120		

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 310-464678/1-A
Matrix: Water
Analysis Batch: 465299

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464678

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1
4,4'-DDE	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1
4,4'-DDT	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1
Aldrin	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 310-464678/1-A
Matrix: Water
Analysis Batch: 465299

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464678

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1
beta-BHC	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1
Chlordane (technical)	<1.97		1.97		ug/L		08/25/25 13:33	09/02/25 12:26	1
delta-BHC	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1
Dieldrin	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1
Endosulfan I	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1
Endosulfan II	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1
Endosulfan sulfate	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1
Endrin	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1
Endrin aldehyde	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1
gamma-BHC (Lindane)	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1
Heptachlor	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1
Heptachlor epoxide	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1
Methoxychlor	<0.0986		0.0986		ug/L		08/25/25 13:33	09/02/25 12:26	1
Toxaphene	<1.97		1.97		ug/L		08/25/25 13:33	09/02/25 12:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*51*		*10 - 150*	*08/25/25 13:33*	*09/02/25 12:26*	*1*
Tetrachloro-m-xylene	*88*		*17 - 150*	*08/25/25 13:33*	*09/02/25 12:26*	*1*

Lab Sample ID: LCS 310-464678/2-A
Matrix: Water
Analysis Batch: 465299

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464678

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	2.78	2.143		ug/L		77	28 - 150
4,4'-DDE	2.78	2.024		ug/L		73	10 - 150
4,4'-DDT	2.78	2.772		ug/L		100	10 - 150
Aldrin	2.78	1.784		ug/L		64	10 - 146
alpha-BHC	2.78	2.318		ug/L		83	57 - 149
beta-BHC	2.78	2.261		ug/L		81	53 - 145
delta-BHC	2.78	2.221		ug/L		80	49 - 148
Dieldrin	2.78	2.320		ug/L		84	43 - 150
Endosulfan I	2.78	1.295		ug/L		47	26 - 133
Endosulfan II	2.78	1.423		ug/L		51	38 - 139
Endosulfan sulfate	2.78	2.784		ug/L		100	54 - 150
Endrin	2.78	2.367		ug/L		85	41 - 150
Endrin aldehyde	2.78	2.081		ug/L		75	42 - 147
gamma-BHC (Lindane)	2.78	2.362		ug/L		85	57 - 150
Heptachlor	2.78	2.043		ug/L		74	16 - 135
Heptachlor epoxide	2.78	2.345		ug/L		84	49 - 150
Methoxychlor	2.78	2.671		ug/L		96	16 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*56*		*10 - 150*
Tetrachloro-m-xylene	*85*		*17 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 310-464811/1-D
Matrix: Water
Analysis Batch: 465011

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464939

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
4,4'-DDE	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
4,4'-DDT	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
Aldrin	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
alpha-BHC	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
beta-BHC	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
Chlordane (technical)	<1.85		1.85		ug/L		08/27/25 12:29	08/28/25 11:27	1
delta-BHC	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
Dieldrin	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
Endosulfan I	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
Endosulfan II	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
Endosulfan sulfate	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
Endrin	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
Endrin aldehyde	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
gamma-BHC (Lindane)	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
Heptachlor	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
Heptachlor epoxide	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
Methoxychlor	<0.0923		0.0923		ug/L		08/27/25 12:29	08/28/25 11:27	1
Toxaphene	<1.85		1.85		ug/L		08/27/25 12:29	08/28/25 11:27	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*55*		*10 - 150*	*08/27/25 12:29*	*08/28/25 11:27*	*1*
Tetrachloro-m-xylene	*95*		*17 - 150*	*08/27/25 12:29*	*08/28/25 11:27*	*1*

Lab Sample ID: MB 310-464939/1-A
Matrix: Water
Analysis Batch: 465011

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
4,4'-DDE	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
4,4'-DDT	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
Aldrin	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
alpha-BHC	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
beta-BHC	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
Chlordane (technical)	<1.96		1.96		ug/L		08/27/25 12:29	08/28/25 11:15	1
delta-BHC	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
Dieldrin	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
Endosulfan I	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
Endosulfan II	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
Endosulfan sulfate	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
Endrin	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
Endrin aldehyde	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
gamma-BHC (Lindane)	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
Heptachlor	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
Heptachlor epoxide	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
Methoxychlor	<0.0980		0.0980		ug/L		08/27/25 12:29	08/28/25 11:15	1
Toxaphene	<1.96		1.96		ug/L		08/27/25 12:29	08/28/25 11:15	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 310-464939/1-A
Matrix: Water
Analysis Batch: 465011

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464939

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	50		10 - 150	08/27/25 12:29	08/28/25 11:15	1
Tetrachloro-m-xylene	84		17 - 150	08/27/25 12:29	08/28/25 11:15	1

Lab Sample ID: LCS 310-464939/10-A
Matrix: Water
Analysis Batch: 465011

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	2.77	2.160		ug/L		78	28 - 150
4,4'-DDE	2.77	1.984		ug/L		72	10 - 150
4,4'-DDT	2.77	2.457		ug/L		89	10 - 150
Aldrin	2.77	1.943		ug/L		70	10 - 146
alpha-BHC	2.77	2.337		ug/L		84	57 - 149
beta-BHC	2.77	2.272		ug/L		82	53 - 145
delta-BHC	2.77	2.220		ug/L		80	49 - 148
Dieldrin	2.77	2.330		ug/L		84	43 - 150
Endosulfan I	2.77	1.290		ug/L		47	26 - 133
Endosulfan II	2.77	1.446		ug/L		52	38 - 139
Endosulfan sulfate	2.77	2.855		ug/L		103	54 - 150
Endrin	2.77	2.063		ug/L		74	41 - 150
Endrin aldehyde	2.77	2.366		ug/L		85	42 - 147
gamma-BHC (Lindane)	2.77	2.357		ug/L		85	57 - 150
Heptachlor	2.77	2.007		ug/L		72	16 - 135
Heptachlor epoxide	2.77	2.316		ug/L		84	49 - 150
Methoxychlor	2.77	2.688		ug/L		97	16 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	54		10 - 150
Tetrachloro-m-xylene	77		17 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 310-464678/1-A
Matrix: Water
Analysis Batch: 465301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464678

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.97		1.97		ug/L		08/25/25 13:33	09/02/25 12:26	1
PCB-1221	<1.97		1.97		ug/L		08/25/25 13:33	09/02/25 12:26	1
PCB-1232	<1.97		1.97		ug/L		08/25/25 13:33	09/02/25 12:26	1
PCB-1242	<1.97		1.97		ug/L		08/25/25 13:33	09/02/25 12:26	1
PCB-1248	<1.97		1.97		ug/L		08/25/25 13:33	09/02/25 12:26	1
PCB-1254	<1.97		1.97		ug/L		08/25/25 13:33	09/02/25 12:26	1
PCB-1260	<1.97		1.97		ug/L		08/25/25 13:33	09/02/25 12:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	52		10 - 150	08/25/25 13:33	09/02/25 12:26	1
Tetrachloro-m-xylene	90		17 - 150	08/25/25 13:33	09/02/25 12:26	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: LCS 310-464678/27-A
Matrix: Water
Analysis Batch: 465301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464678

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			27.9	23.41		ug/L		84	25 - 150		
PCB-1260			27.9	22.05		ug/L		79	14 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*82*		*10 - 150*
Tetrachloro-m-xylene	*91*		*17 - 150*

Lab Sample ID: 310-314023-7 MS
Matrix: Water
Analysis Batch: 465301

Client Sample ID: MW-34_25_08
Prep Type: Total/NA
Prep Batch: 464678

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	<1.89	*3	27.0	28.07		ug/L		104	25 - 150		
PCB-1260	<1.89	*3	27.0	24.65		ug/L		91	10 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*110*		*10 - 150*
Tetrachloro-m-xylene	*102*		*17 - 150*

Lab Sample ID: 310-314023-7 MSD
Matrix: Water
Analysis Batch: 465301

Client Sample ID: MW-34_25_08
Prep Type: Total/NA
Prep Batch: 464678

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<1.89	*3	27.1	22.19		ug/L		82	25 - 150	23	35
PCB-1260	<1.89	*3	27.1	20.44		ug/L		75	10 - 150	19	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*97*		*10 - 150*
Tetrachloro-m-xylene	*92*		*17 - 150*

Lab Sample ID: LB 310-464677/1-E
Matrix: Water
Analysis Batch: 464957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464939

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.93		1.93		ug/L		08/27/25 12:29	08/27/25 17:22	1
PCB-1221	<1.93		1.93		ug/L		08/27/25 12:29	08/27/25 17:22	1
PCB-1232	<1.93		1.93		ug/L		08/27/25 12:29	08/27/25 17:22	1
PCB-1242	<1.93		1.93		ug/L		08/27/25 12:29	08/27/25 17:22	1
PCB-1248	<1.93		1.93		ug/L		08/27/25 12:29	08/27/25 17:22	1
PCB-1254	<1.93		1.93		ug/L		08/27/25 12:29	08/27/25 17:22	1
PCB-1260	<1.93		1.93		ug/L		08/27/25 12:29	08/27/25 17:22	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*10 - 150*	*08/27/25 12:29*	*08/27/25 17:22*	*1*
Tetrachloro-m-xylene	*90*		*17 - 150*	*08/27/25 12:29*	*08/27/25 17:22*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 310-464939/1-A
Matrix: Water
Analysis Batch: 464957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.96		1.96		ug/L		08/27/25 12:29	08/27/25 16:56	1
PCB-1221	<1.96		1.96		ug/L		08/27/25 12:29	08/27/25 16:56	1
PCB-1232	<1.96		1.96		ug/L		08/27/25 12:29	08/27/25 16:56	1
PCB-1242	<1.96		1.96		ug/L		08/27/25 12:29	08/27/25 16:56	1
PCB-1248	<1.96		1.96		ug/L		08/27/25 12:29	08/27/25 16:56	1
PCB-1254	<1.96		1.96		ug/L		08/27/25 12:29	08/27/25 16:56	1
PCB-1260	<1.96		1.96		ug/L		08/27/25 12:29	08/27/25 16:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*53*		*10 - 150*	*08/27/25 12:29*	*08/27/25 16:56*	*1*
Tetrachloro-m-xylene	*87*		*17 - 150*	*08/27/25 12:29*	*08/27/25 16:56*	*1*

Lab Sample ID: LCS 310-464939/2-A
Matrix: Water
Analysis Batch: 464957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	27.5	21.31		ug/L		77	25 - 150
PCB-1260	27.5	17.03		ug/L		62	14 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*40*		*10 - 150*
Tetrachloro-m-xylene	*75*		*17 - 150*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 500-831632/1-A
Matrix: Water
Analysis Batch: 831680

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 831632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<1.00		1.00		ug/L		08/27/25 07:18	08/27/25 15:58	1
Silvex (2,4,5-TP)	<1.00		1.00		ug/L		08/27/25 07:18	08/27/25 15:58	1
2,4,5-T	<1.00		1.00		ug/L		08/27/25 07:18	08/27/25 15:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*97*		*25 - 130*	*08/27/25 07:18*	*08/27/25 15:58*	*1*

Lab Sample ID: LCS 500-831632/2-A
Matrix: Water
Analysis Batch: 831680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 831632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-D	10.0	9.241		ug/L		92	30 - 115
Silvex (2,4,5-TP)	2.50	2.573		ug/L		103	32 - 115
2,4,5-T	2.53	2.820		ug/L		112	30 - 115

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 500-831632/2-A
Matrix: Water
Analysis Batch: 831680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 831632

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCAA	122		25 - 130

Lab Sample ID: LCSD 500-831632/3-A
Matrix: Water
Analysis Batch: 831680

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 831632

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D			10.0	9.377		ug/L		94	30 - 115	1	20
Silvex (2,4,5-TP)			2.50	2.602		ug/L		104	32 - 115	1	20
2,4,5-T			2.53	2.822		ug/L		112	30 - 115	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCAA	119		25 - 130

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-464825/1-A
Matrix: Water
Analysis Batch: 465295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464825

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 16:30	1
Arsenic	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 16:30	1
Barium	<0.00200		0.00200		mg/L		08/27/25 09:00	08/30/25 16:30	1
Beryllium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:30	1
Cadmium	<0.000200		0.000200		mg/L		08/27/25 09:00	08/30/25 16:30	1
Chromium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:30	1
Cobalt	<0.000500		0.000500		mg/L		08/27/25 09:00	08/30/25 16:30	1
Copper	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:30	1
Lead	<0.000500		0.000500		mg/L		08/27/25 09:00	08/30/25 16:30	1
Nickel	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:30	1
Selenium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:30	1
Silver	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:30	1
Thallium	<0.00100		0.00100		mg/L		08/27/25 09:00	08/30/25 16:30	1
Vanadium	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:30	1
Tin	<0.00500		0.00500		mg/L		08/27/25 09:00	08/30/25 16:30	1
Zinc	<0.0200		0.0200		mg/L		08/27/25 09:00	08/30/25 16:30	1

Lab Sample ID: LCS 310-464825/2-A
Matrix: Water
Analysis Batch: 465295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464825

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony			0.200	0.1977		mg/L		99	80 - 120		
Arsenic			0.200	0.1926		mg/L		96	80 - 120		
Barium			0.100	0.09898		mg/L		99	80 - 120		
Beryllium			0.100	0.1082		mg/L		108	80 - 120		
Cadmium			0.100	0.1005		mg/L		101	80 - 120		
Chromium			0.100	0.1014		mg/L		101	80 - 120		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 310-464825/2-A
Matrix: Water
Analysis Batch: 465295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464825

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.100	0.1066		mg/L		107	80 - 120
Copper	0.200	0.2201		mg/L		110	80 - 120
Lead	0.200	0.2057		mg/L		103	80 - 120
Nickel	0.200	0.1993		mg/L		100	80 - 120
Selenium	0.400	0.3885		mg/L		97	80 - 120
Silver	0.100	0.1149		mg/L		115	80 - 120
Thallium	0.100	0.1059		mg/L		106	80 - 120
Vanadium	0.100	0.09855		mg/L		99	80 - 120
Tin	0.200	0.1992		mg/L		100	80 - 120
Zinc	0.200	0.1908		mg/L		95	80 - 120

Lab Sample ID: 310-314023-1 MS
Matrix: Water
Analysis Batch: 465295

Client Sample ID: AW-5_25_08
Prep Type: Total/NA
Prep Batch: 464825

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00200		0.200	0.2100		mg/L		105	75 - 125
Arsenic	0.00244		0.200	0.2126		mg/L		105	75 - 125
Barium	0.146		0.100	0.2534		mg/L		107	75 - 125
Beryllium	<0.00100		0.100	0.1083		mg/L		108	75 - 125
Cadmium	<0.000200		0.100	0.1028		mg/L		103	75 - 125
Chromium	<0.00500		0.100	0.1011		mg/L		101	75 - 125
Cobalt	0.00205		0.100	0.1065		mg/L		104	75 - 125
Copper	<0.00500		0.200	0.2121		mg/L		104	75 - 125
Lead	<0.000500		0.200	0.2101		mg/L		105	75 - 125
Nickel	0.00890		0.200	0.2101		mg/L		101	75 - 125
Selenium	0.0208		0.400	0.4200		mg/L		100	75 - 125
Silver	<0.00100		0.100	0.1118		mg/L		112	75 - 125
Thallium	<0.00100		0.100	0.1025		mg/L		103	75 - 125
Vanadium	<0.00500		0.100	0.1020		mg/L		102	75 - 125
Tin	<0.00500		0.200	0.1976		mg/L		99	75 - 125
Zinc	<0.0200		0.200	0.1965		mg/L		98	75 - 125

Lab Sample ID: 310-314023-1 MSD
Matrix: Water
Analysis Batch: 465295

Client Sample ID: AW-5_25_08
Prep Type: Total/NA
Prep Batch: 464825

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00200		0.200	0.2079		mg/L		104	75 - 125	1	20
Arsenic	0.00244		0.200	0.2104		mg/L		104	75 - 125	1	20
Barium	0.146		0.100	0.2498		mg/L		104	75 - 125	1	20
Beryllium	<0.00100		0.100	0.1072		mg/L		107	75 - 125	1	20
Cadmium	<0.000200		0.100	0.1010		mg/L		101	75 - 125	2	20
Chromium	<0.00500		0.100	0.1000		mg/L		100	75 - 125	1	20
Cobalt	0.00205		0.100	0.1050		mg/L		103	75 - 125	1	20
Copper	<0.00500		0.200	0.2097		mg/L		103	75 - 125	1	20
Lead	<0.000500		0.200	0.2068		mg/L		103	75 - 125	2	20
Nickel	0.00890		0.200	0.2084		mg/L		100	75 - 125	1	20
Selenium	0.0208		0.400	0.4198		mg/L		100	75 - 125	0	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-314023-1 MSD — **Client Sample ID: AW-5_25_08**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 465295 — **Prep Batch: 464825**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	<0.00100		0.100	0.1100		mg/L		110	75 - 125	2	20
Thallium	<0.00100		0.100	0.1004		mg/L		100	75 - 125	2	20
Vanadium	<0.00500		0.100	0.1007		mg/L		101	75 - 125	1	20
Tin	<0.00500		0.200	0.1956		mg/L		98	75 - 125	1	20
Zinc	<0.0200		0.200	0.1945		mg/L		97	75 - 125	1	20

Lab Sample ID: 310-314023-11 DU — **Client Sample ID: MW-109A_25_08**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 465295 — **Prep Batch: 464825**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00200		<0.00200		mg/L		NC	20
Arsenic	<0.00200		<0.00200		mg/L		NC	20
Barium	0.199		0.1994		mg/L		0.2	20
Beryllium	<0.00100		<0.00100		mg/L		NC	20
Cadmium	<0.000200		<0.000200		mg/L		NC	20
Chromium	<0.00500		<0.00500		mg/L		NC	20
Cobalt	<0.000500		<0.000500		mg/L		NC	20
Copper	<0.00500		<0.00500		mg/L		NC	20
Lead	<0.000500		<0.000500		mg/L		NC	20
Nickel	<0.00500		<0.00500		mg/L		NC	20
Selenium	0.00720		0.007077		mg/L		2	20
Silver	<0.00100		<0.00100		mg/L		NC	20
Thallium	<0.00100		<0.00100		mg/L		NC	20
Vanadium	<0.00500		<0.00500		mg/L		NC	20
Tin	<0.00500		<0.00500		mg/L		NC	20
Zinc	<0.0200		<0.0200		mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-464802/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 465101 — **Prep Batch: 464802**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		08/27/25 12:30	08/28/25 09:46	1

Lab Sample ID: LCS 310-464802/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 465101 — **Prep Batch: 464802**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001562		mg/L		94	80 - 120

Lab Sample ID: MB 310-464805/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 465101 — **Prep Batch: 464805**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		08/27/25 12:30	08/28/25 10:45	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LCS 310-464805/2-A
Matrix: Water
Analysis Batch: 465101

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464805

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001607		mg/L		96	80 - 120

Lab Sample ID: MB 310-465197/1-A
Matrix: Water
Analysis Batch: 465283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 465197

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		08/29/25 14:10	08/30/25 09:44	1

Lab Sample ID: LCS 310-465197/2-A
Matrix: Water
Analysis Batch: 465283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 465197

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001604		mg/L		96	80 - 120

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 310-464625/1-A
Matrix: Water
Analysis Batch: 464987

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464625

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0100		0.0100		mg/L		08/25/25 09:00	08/27/25 23:42	1

Lab Sample ID: LCS 310-464625/2-A
Matrix: Water
Analysis Batch: 464987

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464625

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.2019		mg/L		101	90 - 110

Lab Sample ID: MB 310-464897/1-A
Matrix: Water
Analysis Batch: 464987

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464897

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0100		0.0100		mg/L		08/27/25 10:06	08/28/25 00:11	1

Lab Sample ID: LCS 310-464897/2-A
Matrix: Water
Analysis Batch: 464987

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.2030		mg/L		102	90 - 110

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 310-314023-15 MS
Matrix: Water
Analysis Batch: 464987

Client Sample ID: FB-3_25_08
Prep Type: Total/NA
Prep Batch: 464897

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	<0.0100		0.200	0.1957		mg/L		98	63 - 122

Lab Sample ID: 310-314023-15 MSD
Matrix: Water
Analysis Batch: 464987

Client Sample ID: FB-3_25_08
Prep Type: Total/NA
Prep Batch: 464897

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0100		0.200	0.2074		mg/L		104	63 - 122	6	35

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-831618/1-A
Matrix: Water
Analysis Batch: 831619

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 831618

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.00		1.00		mg/L		08/26/25 18:00	08/27/25 01:55	1

Lab Sample ID: LCS 500-831618/2-A
Matrix: Water
Analysis Batch: 831619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 831618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.51	3.633		mg/L		103	80 - 120

Lab Sample ID: 310-314023-15 MS
Matrix: Water
Analysis Batch: 831619

Client Sample ID: FB-3_25_08
Prep Type: Total/NA
Prep Batch: 831618

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<1.00		8.79	9.362		mg/L		107	75 - 125

Lab Sample ID: 310-314023-15 MSD
Matrix: Water
Analysis Batch: 831619

Client Sample ID: FB-3_25_08
Prep Type: Total/NA
Prep Batch: 831618

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<1.00		8.79	9.880		mg/L		112	75 - 125	5	20

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-464655/1
Matrix: Water
Analysis Batch: 464655

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.0		5.0		mg/L			08/25/25 12:16	1

Method: I-3765-85 - Residue, Non-filterable (TSS) (Continued)

Lab Sample ID: LCS 310-464655/2
Matrix: Water
Analysis Batch: 464655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			100	94.00		mg/L		94	82 - 117		

Lab Sample ID: MB 310-464673/1
Matrix: Water
Analysis Batch: 464673

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.0		5.0		mg/L			08/25/25 13:14	1

Lab Sample ID: LCS 310-464673/2
Matrix: Water
Analysis Batch: 464673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			100	101.0		mg/L		101	82 - 117		

Lab Sample ID: 310-314023-1 DU
Matrix: Water
Analysis Batch: 464673

Client Sample ID: AW-5_25_08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	12.5			11.50		mg/L				8	35

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Analysis Batch: 464629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	8260D	
310-314023-2	AW-6_25_08	Total/NA	Water	8260D	
310-314023-3	MW-11_25_08	Total/NA	Water	8260D	
310-314023-4	MW-12_25_08	Total/NA	Water	8260D	
310-314023-5	MW-32_25_08	Total/NA	Water	8260D	
310-314023-6	MW-33_25_08	Total/NA	Water	8260D	
310-314023-7	MW-34_25_08	Total/NA	Water	8260D	
310-314023-9	MW-105A_25_08	Total/NA	Water	8260D	
310-314023-10	MW-105B_25_08	Total/NA	Water	8260D	
310-314023-11	MW-109A_25_08	Total/NA	Water	8260D	
310-314023-12	MW-109B_25_08	Total/NA	Water	8260D	
310-314023-13	FD-3_25_08	Total/NA	Water	8260D	
310-314023-14	FD-4_25_08	Total/NA	Water	8260D	
310-314023-15	FB-3_25_08	Total/NA	Water	8260D	
MB 310-464629/6	Method Blank	Total/NA	Water	8260D	
LCS 310-464629/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-464629/8	Lab Control Sample	Total/NA	Water	8260D	
310-314023-1 MS	AW-5_25_08	Total/NA	Water	8260D	
310-314023-1 MSD	AW-5_25_08	Total/NA	Water	8260D	

Analysis Batch: 464631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-16	TB-3_25_08	Total/NA	Water	8260D	
MB 310-464631/6	Method Blank	Total/NA	Water	8260D	
LCS 310-464631/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-464631/8	Lab Control Sample	Total/NA	Water	8260D	

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Prep Batch: 464719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	3510C	
310-314023-2	AW-6_25_08	Total/NA	Water	3510C	
310-314023-3	MW-11_25_08	Total/NA	Water	3510C	
310-314023-4	MW-12_25_08	Total/NA	Water	3510C	
310-314023-5	MW-32_25_08	Total/NA	Water	3510C	
310-314023-6	MW-33_25_08	Total/NA	Water	3510C	
310-314023-7	MW-34_25_08	Total/NA	Water	3510C	
310-314023-13	FD-3_25_08	Total/NA	Water	3510C	
MB 310-464719/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-464719/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-464719/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 464848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-14	FD-4_25_08	Total/NA	Water	3510C	
310-314023-15	FB-3_25_08	Total/NA	Water	3510C	
MB 310-464848/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-464848/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-464848/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

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Analysis Batch: 465217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	8270E	464719
310-314023-2	AW-6_25_08	Total/NA	Water	8270E	464719
310-314023-3	MW-11_25_08	Total/NA	Water	8270E	464719
310-314023-14	FD-4_25_08	Total/NA	Water	8270E	464848
310-314023-15	FB-3_25_08	Total/NA	Water	8270E	464848
MB 310-464719/1-A	Method Blank	Total/NA	Water	8270E	464719
MB 310-464848/1-A	Method Blank	Total/NA	Water	8270E	464848
LCS 310-464719/2-A	Lab Control Sample	Total/NA	Water	8270E	464719
LCS 310-464848/2-A	Lab Control Sample	Total/NA	Water	8270E	464848
LCSD 310-464719/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	464719
LCSD 310-464848/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	464848

Analysis Batch: 465678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	8270E	464719
310-314023-2	AW-6_25_08	Total/NA	Water	8270E	464719
310-314023-3	MW-11_25_08	Total/NA	Water	8270E	464719
310-314023-14	FD-4_25_08	Total/NA	Water	8270E	464848
310-314023-15	FB-3_25_08	Total/NA	Water	8270E	464848
MB 310-464719/1-A	Method Blank	Total/NA	Water	8270E	464719
MB 310-464848/1-A	Method Blank	Total/NA	Water	8270E	464848
LCS 310-464719/2-A	Lab Control Sample	Total/NA	Water	8270E	464719
LCS 310-464848/2-A	Lab Control Sample	Total/NA	Water	8270E	464848
LCSD 310-464719/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	464719
LCSD 310-464848/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	464848

Analysis Batch: 465765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-4	MW-12_25_08	Total/NA	Water	8270E	464719
310-314023-5	MW-32_25_08	Total/NA	Water	8270E	464719
310-314023-6	MW-33_25_08	Total/NA	Water	8270E	464719
310-314023-7	MW-34_25_08	Total/NA	Water	8270E	464719
310-314023-13	FD-3_25_08	Total/NA	Water	8270E	464719

Analysis Batch: 465897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-4	MW-12_25_08	Total/NA	Water	8270E	464719
310-314023-5	MW-32_25_08	Total/NA	Water	8270E	464719
310-314023-6	MW-33_25_08	Total/NA	Water	8270E	464719
310-314023-7	MW-34_25_08	Total/NA	Water	8270E	464719
310-314023-13	FD-3_25_08	Total/NA	Water	8270E	464719

Analysis Batch: 465902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-4	MW-12_25_08	Total/NA	Water	8270E	464719
310-314023-5	MW-32_25_08	Total/NA	Water	8270E	464719
310-314023-6	MW-33_25_08	Total/NA	Water	8270E	464719
310-314023-7	MW-34_25_08	Total/NA	Water	8270E	464719
310-314023-13	FD-3_25_08	Total/NA	Water	8270E	464719

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Leach Batch: 464677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-464677/1-E	Method Blank	Total/NA	Water	1311	

Prep Batch: 464678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	3511	
310-314023-2	AW-6_25_08	Total/NA	Water	3511	
310-314023-3	MW-11_25_08	Total/NA	Water	3511	
310-314023-4	MW-12_25_08	Total/NA	Water	3511	
310-314023-5	MW-32_25_08	Total/NA	Water	3511	
310-314023-6	MW-33_25_08	Total/NA	Water	3511	
310-314023-7	MW-34_25_08	Total/NA	Water	3511	
MB 310-464678/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-464678/27-A	Lab Control Sample	Total/NA	Water	3511	
LCS 310-464678/2-A	Lab Control Sample	Total/NA	Water	3511	
310-314023-7 MS	MW-34_25_08	Total/NA	Water	3511	
310-314023-7 MSD	MW-34_25_08	Total/NA	Water	3511	

Analysis Batch: 464746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	8015C	
310-314023-2	AW-6_25_08	Total/NA	Water	8015C	
310-314023-3	MW-11_25_08	Total/NA	Water	8015C	
310-314023-4	MW-12_25_08	Total/NA	Water	8015C	
310-314023-5	MW-32_25_08	Total/NA	Water	8015C	
310-314023-6	MW-33_25_08	Total/NA	Water	8015C	
310-314023-7	MW-34_25_08	Total/NA	Water	8015C	
310-314023-13	FD-3_25_08	Total/NA	Water	8015C	
310-314023-14	FD-4_25_08	Total/NA	Water	8015C	
310-314023-15	FB-3_25_08	Total/NA	Water	8015C	
MB 310-464746/4	Method Blank	Total/NA	Water	8015C	
LCS 310-464746/5	Lab Control Sample	Total/NA	Water	8015C	

Leach Batch: 464811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-464811/1-D	Method Blank	Total/NA	Water	1311	

Prep Batch: 464939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-13	FD-3_25_08	Total/NA	Water	3511	
310-314023-14	FD-4_25_08	Total/NA	Water	3511	
310-314023-15	FB-3_25_08	Total/NA	Water	3511	
LB 310-464677/1-E	Method Blank	Total/NA	Water	3511	464677
LB 310-464811/1-D	Method Blank	Total/NA	Water	3511	464811
MB 310-464939/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-464939/10-A	Lab Control Sample	Total/NA	Water	3511	
LCS 310-464939/2-A	Lab Control Sample	Total/NA	Water	3511	

Analysis Batch: 464957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-13	FD-3_25_08	Total/NA	Water	8082A	464939
310-314023-14	FD-4_25_08	Total/NA	Water	8082A	464939

GC Semi VOA (Continued)

Analysis Batch: 464957 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-15	FB-3_25_08	Total/NA	Water	8082A	464939
LB 310-464677/1-E	Method Blank	Total/NA	Water	8082A	464939
MB 310-464939/1-A	Method Blank	Total/NA	Water	8082A	464939
LCS 310-464939/2-A	Lab Control Sample	Total/NA	Water	8082A	464939

Analysis Batch: 465011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-13	FD-3_25_08	Total/NA	Water	8081B	464939
310-314023-14	FD-4_25_08	Total/NA	Water	8081B	464939
310-314023-15	FB-3_25_08	Total/NA	Water	8081B	464939
LB 310-464811/1-D	Method Blank	Total/NA	Water	8081B	464939
MB 310-464939/1-A	Method Blank	Total/NA	Water	8081B	464939
LCS 310-464939/10-A	Lab Control Sample	Total/NA	Water	8081B	464939

Analysis Batch: 465299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-7	MW-34_25_08	Total/NA	Water	8081B	464678
MB 310-464678/1-A	Method Blank	Total/NA	Water	8081B	464678
LCS 310-464678/2-A	Lab Control Sample	Total/NA	Water	8081B	464678

Analysis Batch: 465301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-7	MW-34_25_08	Total/NA	Water	8082A	464678
MB 310-464678/1-A	Method Blank	Total/NA	Water	8082A	464678
LCS 310-464678/27-A	Lab Control Sample	Total/NA	Water	8082A	464678
310-314023-7 MS	MW-34_25_08	Total/NA	Water	8082A	464678
310-314023-7 MSD	MW-34_25_08	Total/NA	Water	8082A	464678

Analysis Batch: 465443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	8081B	464678
310-314023-2	AW-6_25_08	Total/NA	Water	8081B	464678
310-314023-3	MW-11_25_08	Total/NA	Water	8081B	464678
310-314023-4	MW-12_25_08	Total/NA	Water	8081B	464678
310-314023-5	MW-32_25_08	Total/NA	Water	8081B	464678
310-314023-6	MW-33_25_08	Total/NA	Water	8081B	464678

Analysis Batch: 465445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	8082A	464678
310-314023-2	AW-6_25_08	Total/NA	Water	8082A	464678
310-314023-3	MW-11_25_08	Total/NA	Water	8082A	464678
310-314023-4	MW-12_25_08	Total/NA	Water	8082A	464678
310-314023-5	MW-32_25_08	Total/NA	Water	8082A	464678
310-314023-6	MW-33_25_08	Total/NA	Water	8082A	464678

Prep Batch: 831632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	8151A	
310-314023-2	AW-6_25_08	Total/NA	Water	8151A	
310-314023-3	MW-11_25_08	Total/NA	Water	8151A	

GC Semi VOA (Continued)

Prep Batch: 831632 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-4	MW-12_25_08	Total/NA	Water	8151A	
310-314023-5	MW-32_25_08	Total/NA	Water	8151A	
310-314023-6	MW-33_25_08	Total/NA	Water	8151A	
310-314023-7	MW-34_25_08	Total/NA	Water	8151A	
310-314023-13	FD-3_25_08	Total/NA	Water	8151A	
310-314023-14	FD-4_25_08	Total/NA	Water	8151A	
310-314023-15	FB-3_25_08	Total/NA	Water	8151A	
MB 500-831632/1-A	Method Blank	Total/NA	Water	8151A	
LCS 500-831632/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 500-831632/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 831680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	8151A	831632
310-314023-2	AW-6_25_08	Total/NA	Water	8151A	831632
310-314023-3	MW-11_25_08	Total/NA	Water	8151A	831632
310-314023-4	MW-12_25_08	Total/NA	Water	8151A	831632
310-314023-5	MW-32_25_08	Total/NA	Water	8151A	831632
310-314023-6	MW-33_25_08	Total/NA	Water	8151A	831632
310-314023-7	MW-34_25_08	Total/NA	Water	8151A	831632
310-314023-13	FD-3_25_08	Total/NA	Water	8151A	831632
310-314023-14	FD-4_25_08	Total/NA	Water	8151A	831632
310-314023-15	FB-3_25_08	Total/NA	Water	8151A	831632
MB 500-831632/1-A	Method Blank	Total/NA	Water	8151A	831632
LCS 500-831632/2-A	Lab Control Sample	Total/NA	Water	8151A	831632
LCSD 500-831632/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	831632

Metals

Prep Batch: 464802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	7470A	
310-314023-2	AW-6_25_08	Total/NA	Water	7470A	
310-314023-3	MW-11_25_08	Total/NA	Water	7470A	
310-314023-4	MW-12_25_08	Total/NA	Water	7470A	
310-314023-5	MW-32_25_08	Total/NA	Water	7470A	
MB 310-464802/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-464802/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 464805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-6	MW-33_25_08	Total/NA	Water	7470A	
310-314023-7	MW-34_25_08	Total/NA	Water	7470A	
310-314023-13	FD-3_25_08	Total/NA	Water	7470A	
310-314023-14	FD-4_25_08	Total/NA	Water	7470A	
MB 310-464805/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-464805/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 464825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	3005A	

Metals (Continued)

Prep Batch: 464825 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-2	AW-6_25_08	Total/NA	Water	3005A	
310-314023-3	MW-11_25_08	Total/NA	Water	3005A	
310-314023-4	MW-12_25_08	Total/NA	Water	3005A	
310-314023-5	MW-32_25_08	Total/NA	Water	3005A	
310-314023-6	MW-33_25_08	Total/NA	Water	3005A	
310-314023-7	MW-34_25_08	Total/NA	Water	3005A	
310-314023-8	MW-104B_25_08	Total/NA	Water	3005A	
310-314023-9	MW-105A_25_08	Total/NA	Water	3005A	
310-314023-10	MW-105B_25_08	Total/NA	Water	3005A	
310-314023-11	MW-109A_25_08	Total/NA	Water	3005A	
310-314023-12	MW-109B_25_08	Total/NA	Water	3005A	
310-314023-13	FD-3_25_08	Total/NA	Water	3005A	
310-314023-14	FD-4_25_08	Total/NA	Water	3005A	
310-314023-15	FB-3_25_08	Total/NA	Water	3005A	
MB 310-464825/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-464825/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-314023-1 MS	AW-5_25_08	Total/NA	Water	3005A	
310-314023-1 MSD	AW-5_25_08	Total/NA	Water	3005A	
310-314023-11 DU	MW-109A_25_08	Total/NA	Water	3005A	

Analysis Batch: 465101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	7470A	464802
310-314023-2	AW-6_25_08	Total/NA	Water	7470A	464802
310-314023-3	MW-11_25_08	Total/NA	Water	7470A	464802
310-314023-4	MW-12_25_08	Total/NA	Water	7470A	464802
310-314023-5	MW-32_25_08	Total/NA	Water	7470A	464802
310-314023-6	MW-33_25_08	Total/NA	Water	7470A	464805
310-314023-7	MW-34_25_08	Total/NA	Water	7470A	464805
310-314023-13	FD-3_25_08	Total/NA	Water	7470A	464805
310-314023-14	FD-4_25_08	Total/NA	Water	7470A	464805
MB 310-464802/1-A	Method Blank	Total/NA	Water	7470A	464802
MB 310-464805/1-A	Method Blank	Total/NA	Water	7470A	464805
LCS 310-464802/2-A	Lab Control Sample	Total/NA	Water	7470A	464802
LCS 310-464805/2-A	Lab Control Sample	Total/NA	Water	7470A	464805

Prep Batch: 465197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-15	FB-3_25_08	Total/NA	Water	7470A	
MB 310-465197/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-465197/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 465283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-15	FB-3_25_08	Total/NA	Water	7470A	465197
MB 310-465197/1-A	Method Blank	Total/NA	Water	7470A	465197
LCS 310-465197/2-A	Lab Control Sample	Total/NA	Water	7470A	465197

Analysis Batch: 465295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	6020B	464825

Metals (Continued)

Analysis Batch: 465295 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-2	AW-6_25_08	Total/NA	Water	6020B	464825
310-314023-3	MW-11_25_08	Total/NA	Water	6020B	464825
310-314023-4	MW-12_25_08	Total/NA	Water	6020B	464825
310-314023-5	MW-32_25_08	Total/NA	Water	6020B	464825
310-314023-6	MW-33_25_08	Total/NA	Water	6020B	464825
310-314023-7	MW-34_25_08	Total/NA	Water	6020B	464825
310-314023-8	MW-104B_25_08	Total/NA	Water	6020B	464825
310-314023-9	MW-105A_25_08	Total/NA	Water	6020B	464825
310-314023-10	MW-105B_25_08	Total/NA	Water	6020B	464825
310-314023-11	MW-109A_25_08	Total/NA	Water	6020B	464825
310-314023-12	MW-109B_25_08	Total/NA	Water	6020B	464825
310-314023-13	FD-3_25_08	Total/NA	Water	6020B	464825
310-314023-14	FD-4_25_08	Total/NA	Water	6020B	464825
310-314023-15	FB-3_25_08	Total/NA	Water	6020B	464825
MB 310-464825/1-A	Method Blank	Total/NA	Water	6020B	464825
LCS 310-464825/2-A	Lab Control Sample	Total/NA	Water	6020B	464825
310-314023-1 MS	AW-5_25_08	Total/NA	Water	6020B	464825
310-314023-1 MSD	AW-5_25_08	Total/NA	Water	6020B	464825
310-314023-11 DU	MW-109A_25_08	Total/NA	Water	6020B	464825

General Chemistry

Prep Batch: 464625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	9012B	
310-314023-2	AW-6_25_08	Total/NA	Water	9012B	
310-314023-3	MW-11_25_08	Total/NA	Water	9012B	
310-314023-4	MW-12_25_08	Total/NA	Water	9012B	
310-314023-5	MW-32_25_08	Total/NA	Water	9012B	
310-314023-6	MW-33_25_08	Total/NA	Water	9012B	
310-314023-7	MW-34_25_08	Total/NA	Water	9012B	
310-314023-13	FD-3_25_08	Total/NA	Water	9012B	
MB 310-464625/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-464625/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 464655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-9	MW-105A_25_08	Total/NA	Water	I-3765-85	
310-314023-10	MW-105B_25_08	Total/NA	Water	I-3765-85	
310-314023-11	MW-109A_25_08	Total/NA	Water	I-3765-85	
310-314023-12	MW-109B_25_08	Total/NA	Water	I-3765-85	
310-314023-13	FD-3_25_08	Total/NA	Water	I-3765-85	
310-314023-14	FD-4_25_08	Total/NA	Water	I-3765-85	
310-314023-15	FB-3_25_08	Total/NA	Water	I-3765-85	
MB 310-464655/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-464655/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 464673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	I-3765-85	
310-314023-2	AW-6_25_08	Total/NA	Water	I-3765-85	

General Chemistry (Continued)

Analysis Batch: 464673 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-3	MW-11_25_08	Total/NA	Water	I-3765-85	
310-314023-4	MW-12_25_08	Total/NA	Water	I-3765-85	
310-314023-5	MW-32_25_08	Total/NA	Water	I-3765-85	
310-314023-6	MW-33_25_08	Total/NA	Water	I-3765-85	
310-314023-7	MW-34_25_08	Total/NA	Water	I-3765-85	
310-314023-8	MW-104B_25_08	Total/NA	Water	I-3765-85	
MB 310-464673/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-464673/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-314023-1 DU	AW-5_25_08	Total/NA	Water	I-3765-85	

Prep Batch: 464897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-14	FD-4_25_08	Total/NA	Water	9012B	
310-314023-15	FB-3_25_08	Total/NA	Water	9012B	
MB 310-464897/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-464897/2-A	Lab Control Sample	Total/NA	Water	9012B	
310-314023-15 MS	FB-3_25_08	Total/NA	Water	9012B	
310-314023-15 MSD	FB-3_25_08	Total/NA	Water	9012B	

Analysis Batch: 464987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	9012B	464625
310-314023-2	AW-6_25_08	Total/NA	Water	9012B	464625
310-314023-3	MW-11_25_08	Total/NA	Water	9012B	464625
310-314023-4	MW-12_25_08	Total/NA	Water	9012B	464625
310-314023-5	MW-32_25_08	Total/NA	Water	9012B	464625
310-314023-6	MW-33_25_08	Total/NA	Water	9012B	464625
310-314023-7	MW-34_25_08	Total/NA	Water	9012B	464625
310-314023-13	FD-3_25_08	Total/NA	Water	9012B	464625
310-314023-14	FD-4_25_08	Total/NA	Water	9012B	464897
310-314023-15	FB-3_25_08	Total/NA	Water	9012B	464897
MB 310-464625/1-A	Method Blank	Total/NA	Water	9012B	464625
MB 310-464897/1-A	Method Blank	Total/NA	Water	9012B	464897
LCS 310-464625/2-A	Lab Control Sample	Total/NA	Water	9012B	464625
LCS 310-464897/2-A	Lab Control Sample	Total/NA	Water	9012B	464897
310-314023-15 MS	FB-3_25_08	Total/NA	Water	9012B	464897
310-314023-15 MSD	FB-3_25_08	Total/NA	Water	9012B	464897

Prep Batch: 831618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	9030B	
310-314023-2	AW-6_25_08	Total/NA	Water	9030B	
310-314023-3	MW-11_25_08	Total/NA	Water	9030B	
310-314023-4	MW-12_25_08	Total/NA	Water	9030B	
310-314023-5	MW-32_25_08	Total/NA	Water	9030B	
310-314023-6	MW-33_25_08	Total/NA	Water	9030B	
310-314023-7	MW-34_25_08	Total/NA	Water	9030B	
310-314023-13	FD-3_25_08	Total/NA	Water	9030B	
310-314023-14	FD-4_25_08	Total/NA	Water	9030B	
310-314023-15	FB-3_25_08	Total/NA	Water	9030B	
MB 500-831618/1-A	Method Blank	Total/NA	Water	9030B	

General Chemistry (Continued)

Prep Batch: 831618 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-831618/2-A	Lab Control Sample	Total/NA	Water	9030B	
310-314023-15 MS	FB-3_25_08	Total/NA	Water	9030B	
310-314023-15 MSD	FB-3_25_08	Total/NA	Water	9030B	

Analysis Batch: 831619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-314023-1	AW-5_25_08	Total/NA	Water	9034	831618
310-314023-2	AW-6_25_08	Total/NA	Water	9034	831618
310-314023-3	MW-11_25_08	Total/NA	Water	9034	831618
310-314023-4	MW-12_25_08	Total/NA	Water	9034	831618
310-314023-5	MW-32_25_08	Total/NA	Water	9034	831618
310-314023-6	MW-33_25_08	Total/NA	Water	9034	831618
310-314023-7	MW-34_25_08	Total/NA	Water	9034	831618
310-314023-13	FD-3_25_08	Total/NA	Water	9034	831618
310-314023-14	FD-4_25_08	Total/NA	Water	9034	831618
310-314023-15	FB-3_25_08	Total/NA	Water	9034	831618
MB 500-831618/1-A	Method Blank	Total/NA	Water	9034	831618
LCS 500-831618/2-A	Lab Control Sample	Total/NA	Water	9034	831618
310-314023-15 MS	FB-3_25_08	Total/NA	Water	9034	831618
310-314023-15 MSD	FB-3_25_08	Total/NA	Water	9034	831618

Client Sample ID: AW-5_25_08

Date Collected: 08/20/25 14:20
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464629	WSE8	EET CF	08/25/25 14:18
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/30/25 00:32
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/05/25 06:22
Total/NA	Analysis	8015C		1	464746	BW2O	EET CF	08/26/25 16:05
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8081B		1	465443	BW2O	EET CF	09/03/25 16:21
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8082A		1	465445	BW2O	EET CF	09/03/25 16:21
Total/NA	Prep	8151A			831632	CI	EET CHI	08/27/25 07:18
Total/NA	Analysis	8151A		1	831680	BC	EET CHI	08/27/25 18:20
Total/NA	Prep	3005A			464825	QTZ5	EET CF	08/27/25 09:00
Total/NA	Analysis	6020B		1	465295	ZRI4	EET CF	08/30/25 16:36
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 10:20
Total/NA	Prep	9012B			464625	ENB7	EET CF	08/25/25 09:00
Total/NA	Analysis	9012B		1	464987	ZJX4	EET CF	08/27/25 23:51
Total/NA	Prep	9030B			831618	CLB	EET CHI	08/26/25 18:04 - 08/26/25 18:06 [1]
Total/NA	Analysis	9034		1	831619	CLB	EET CHI	08/27/25 02:04 - 08/27/25 02:08 [1]
Total/NA	Analysis	I-3765-85		1	464673	DGU1	EET CF	08/25/25 13:14

Client Sample ID: AW-6_25_08

Date Collected: 08/20/25 15:45
Date Received: 08/22/25 13:30

Lab Sample ID: 310-314023-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464629	WSE8	EET CF	08/25/25 14:40
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/30/25 00:59
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/05/25 06:49
Total/NA	Analysis	8015C		1	464746	BW2O	EET CF	08/26/25 16:26
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8081B		1	465443	BW2O	EET CF	09/03/25 16:34
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8082A		1	465445	BW2O	EET CF	09/03/25 16:34
Total/NA	Prep	8151A			831632	CI	EET CHI	08/27/25 07:18
Total/NA	Analysis	8151A		1	831680	BC	EET CHI	08/27/25 18:38
Total/NA	Prep	3005A			464825	QTZ5	EET CF	08/27/25 09:00
Total/NA	Analysis	6020B		1	465295	ZRI4	EET CF	08/30/25 16:44
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 10:22

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: AW-6_25_08

Lab Sample ID: 310-314023-2

Date Collected: 08/20/25 15:45
Matrix: Water
Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	9012B			464625	ENB7	EET CF	08/25/25 09:00
Total/NA	Analysis	9012B		1	464987	ZJX4	EET CF	08/27/25 23:54
Total/NA	Prep	9030B			831618	CLB	EET CHI	08/26/25 18:06 - 08/26/25 18:08 [1]
Total/NA	Analysis	9034		1	831619	CLB	EET CHI	08/27/25 02:08 - 08/27/25 02:13 [1]
Total/NA	Analysis	I-3765-85		1	464673	DGU1	EET CF	08/25/25 13:14

Client Sample ID: MW-11_25_08

Lab Sample ID: 310-314023-3

Date Collected: 08/20/25 11:35
Matrix: Water
Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464629	WSE8	EET CF	08/25/25 15:03
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/30/25 01:25
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/05/25 07:15
Total/NA	Analysis	8015C		1	464746	BW2O	EET CF	08/26/25 16:46
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8081B		1	465443	BW2O	EET CF	09/03/25 16:47
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:33
Total/NA	Analysis	8082A		1	465445	BW2O	EET CF	09/03/25 16:47
Total/NA	Prep	8151A			831632	CI	EET CHI	08/27/25 07:18
Total/NA	Analysis	8151A		1	831680	BC	EET CHI	08/27/25 19:14
Total/NA	Prep	3005A			464825	QTZ5	EET CF	08/27/25 09:00
Total/NA	Analysis	6020B		1	465295	ZRI4	EET CF	08/30/25 16:53
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 10:35
Total/NA	Prep	9012B			464625	ENB7	EET CF	08/25/25 09:00
Total/NA	Analysis	9012B		1	464987	ZJX4	EET CF	08/27/25 23:55
Total/NA	Prep	9030B			831618	CLB	EET CHI	08/26/25 18:08 - 08/26/25 18:10 [1]
Total/NA	Analysis	9034		1	831619	CLB	EET CHI	08/27/25 02:13 - 08/27/25 02:17 [1]
Total/NA	Analysis	I-3765-85		1	464673	DGU1	EET CF	08/25/25 13:14

Client Sample ID: MW-12_25_08

Lab Sample ID: 310-314023-4

Date Collected: 08/20/25 10:25
Matrix: Water
Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464629	WSE8	EET CF	08/25/25 15:25
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465765	V7YZ	EET CF	09/05/25 15:50
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465897	V7YZ	EET CF	09/06/25 19:29

Client Sample ID: MW-12_25_08

Lab Sample ID: 310-314023-4

Date Collected: 08/20/25 10:25

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465902	V7YZ	EET CF	09/07/25 18:32
Total/NA	Analysis	8015C		1	464746	BW2O	EET CF	08/26/25 17:07
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:34
Total/NA	Analysis	8081B		1	465443	BW2O	EET CF	09/03/25 17:00
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:34
Total/NA	Analysis	8082A		1	465445	BW2O	EET CF	09/03/25 17:00
Total/NA	Prep	8151A			831632	CI	EET CHI	08/27/25 07:18
Total/NA	Analysis	8151A		1	831680	BC	EET CHI	08/27/25 19:32
Total/NA	Prep	3005A			464825	QTZ5	EET CF	08/27/25 09:00
Total/NA	Analysis	6020B		1	465295	ZRI4	EET CF	08/30/25 16:56
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 10:37
Total/NA	Prep	9012B			464625	ENB7	EET CF	08/25/25 09:00
Total/NA	Analysis	9012B		1	464987	ZJX4	EET CF	08/27/25 23:55
Total/NA	Prep	9030B			831618	CLB	EET CHI	08/26/25 18:10 - 08/26/25 18:12 [1]
Total/NA	Analysis	9034		1	831619	CLB	EET CHI	08/27/25 02:17 - 08/27/25 02:22 [1]
Total/NA	Analysis	I-3765-85		1	464673	DGU1	EET CF	08/25/25 13:14

Client Sample ID: MW-32_25_08

Lab Sample ID: 310-314023-5

Date Collected: 08/20/25 14:40

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464629	WSE8	EET CF	08/25/25 15:48
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465765	V7YZ	EET CF	09/05/25 16:17
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465897	V7YZ	EET CF	09/06/25 19:55
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465902	V7YZ	EET CF	09/07/25 19:01
Total/NA	Analysis	8015C		1	464746	BW2O	EET CF	08/26/25 17:27
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:34
Total/NA	Analysis	8081B		1	465443	BW2O	EET CF	09/03/25 17:13
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:34
Total/NA	Analysis	8082A		1	465445	BW2O	EET CF	09/03/25 17:13
Total/NA	Prep	8151A			831632	CI	EET CHI	08/27/25 07:18
Total/NA	Analysis	8151A		1	831680	BC	EET CHI	08/27/25 19:50
Total/NA	Prep	3005A			464825	QTZ5	EET CF	08/27/25 09:00
Total/NA	Analysis	6020B		1	465295	ZRI4	EET CF	08/30/25 16:58
Total/NA	Prep	7470A			464802	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 10:39
Total/NA	Prep	9012B			464625	ENB7	EET CF	08/25/25 09:00
Total/NA	Analysis	9012B		1	464987	ZJX4	EET CF	08/27/25 23:59

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: MW-32_25_08

Lab Sample ID: 310-314023-5

Date Collected: 08/20/25 14:40

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	9030B			831618	CLB	EET CHI	08/26/25 18:12 - 08/26/25 18:15 [1]
Total/NA	Analysis	9034		1	831619	CLB	EET CHI	08/27/25 02:22 - 08/27/25 02:26 [1]
Total/NA	Analysis	I-3765-85		1	464673	DGU1	EET CF	08/25/25 13:14

Client Sample ID: MW-33_25_08

Lab Sample ID: 310-314023-6

Date Collected: 08/20/25 15:50

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464629	WSE8	EET CF	08/25/25 16:11
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465765	V7YZ	EET CF	09/05/25 18:28
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465897	V7YZ	EET CF	09/06/25 22:06
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465902	V7YZ	EET CF	09/07/25 21:28
Total/NA	Analysis	8015C		1	464746	BW2O	EET CF	08/26/25 17:47
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:34
Total/NA	Analysis	8081B		1	465443	BW2O	EET CF	09/03/25 17:26
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:34
Total/NA	Analysis	8082A		1	465445	BW2O	EET CF	09/03/25 17:26
Total/NA	Prep	8151A			831632	CI	EET CHI	08/27/25 07:18
Total/NA	Analysis	8151A		1	831680	BC	EET CHI	08/27/25 20:07
Total/NA	Prep	3005A			464825	QTZ5	EET CF	08/27/25 09:00
Total/NA	Analysis	6020B		1	465295	ZRI4	EET CF	08/30/25 17:01
Total/NA	Prep	7470A			464805	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 11:37
Total/NA	Prep	9012B			464625	ENB7	EET CF	08/25/25 09:00
Total/NA	Analysis	9012B		1	464987	ZJX4	EET CF	08/27/25 23:59
Total/NA	Prep	9030B			831618	CLB	EET CHI	08/26/25 18:14 - 08/26/25 18:17 [1]
Total/NA	Analysis	9034		1	831619	CLB	EET CHI	08/27/25 02:26 - 08/27/25 02:31 [1]
Total/NA	Analysis	I-3765-85		1	464673	DGU1	EET CF	08/25/25 13:14

Client Sample ID: MW-34_25_08

Lab Sample ID: 310-314023-7

Date Collected: 08/20/25 13:35

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464629	WSE8	EET CF	08/25/25 16:33
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465765	V7YZ	EET CF	09/05/25 17:10
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465897	V7YZ	EET CF	09/06/25 20:48

Client Sample ID: MW-34_25_08

Lab Sample ID: 310-314023-7

Date Collected: 08/20/25 13:35

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465902	V7YZ	EET CF	09/07/25 20:00
Total/NA	Analysis	8015C		1	464746	BW2O	EET CF	08/26/25 18:08
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:34
Total/NA	Analysis	8081B		1	465299	BW2O	EET CF	09/02/25 14:09
Total/NA	Prep	3511			464678	BW2O	EET CF	08/25/25 13:34
Total/NA	Analysis	8082A		1	465301	BW2O	EET CF	09/02/25 14:09
Total/NA	Prep	8151A			831632	CI	EET CHI	08/27/25 07:18
Total/NA	Analysis	8151A		1	831680	BC	EET CHI	08/27/25 20:25
Total/NA	Prep	3005A			464825	QTZ5	EET CF	08/27/25 09:00
Total/NA	Analysis	6020B		1	465295	ZRI4	EET CF	08/30/25 17:04
Total/NA	Prep	7470A			464805	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 11:39
Total/NA	Prep	9012B			464625	ENB7	EET CF	08/25/25 09:00
Total/NA	Analysis	9012B		1	464987	ZJX4	EET CF	08/27/25 23:59
Total/NA	Prep	9030B			831618	CLB	EET CHI	08/26/25 18:17 - 08/26/25 18:19 [1]
Total/NA	Analysis	9034		1	831619	CLB	EET CHI	08/27/25 02:31 - 08/27/25 02:35 [1]
Total/NA	Analysis	I-3765-85		1	464673	DGU1	EET CF	08/25/25 13:14

Client Sample ID: MW-104B_25_08

Lab Sample ID: 310-314023-8

Date Collected: 08/20/25 16:45

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			464825	QTZ5	EET CF	08/27/25 09:00
Total/NA	Analysis	6020B		1	465295	ZRI4	EET CF	08/30/25 17:07
Total/NA	Analysis	I-3765-85		1	464673	DGU1	EET CF	08/25/25 13:14

Client Sample ID: MW-105A_25_08

Lab Sample ID: 310-314023-9

Date Collected: 08/20/25 11:05

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464629	WSE8	EET CF	08/25/25 16:56
Total/NA	Prep	3005A			464825	QTZ5	EET CF	08/27/25 09:00
Total/NA	Analysis	6020B		1	465295	ZRI4	EET CF	08/30/25 17:10
Total/NA	Analysis	I-3765-85		1	464655	DGU1	EET CF	08/25/25 12:16

Client Sample ID: MW-105B_25_08

Lab Sample ID: 310-314023-10

Date Collected: 08/20/25 11:35

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464629	WSE8	EET CF	08/25/25 17:18

Client Sample ID: MW-105B_25_08

Lab Sample ID: 310-314023-10

Date Collected: 08/20/25 11:35

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			464825	QTZ5	EET CF	08/27/25 09:00
Total/NA	Analysis	6020B		1	465295	ZRI4	EET CF	08/30/25 17:13
Total/NA	Analysis	I-3765-85		1	464655	DGU1	EET CF	08/25/25 12:16

Client Sample ID: MW-109A_25_08

Lab Sample ID: 310-314023-11

Date Collected: 08/20/25 17:35

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464629	WSE8	EET CF	08/25/25 17:40
Total/NA	Prep	3005A			464825	QTZ5	EET CF	08/27/25 09:00
Total/NA	Analysis	6020B		1	465295	ZRI4	EET CF	08/30/25 17:16
Total/NA	Analysis	I-3765-85		1	464655	DGU1	EET CF	08/25/25 12:16

Client Sample ID: MW-109B_25_08

Lab Sample ID: 310-314023-12

Date Collected: 08/20/25 16:55

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464629	WSE8	EET CF	08/25/25 18:03
Total/NA	Prep	3005A			464825	QTZ5	EET CF	08/27/25 09:00
Total/NA	Analysis	6020B		1	465295	ZRI4	EET CF	08/30/25 17:27
Total/NA	Analysis	I-3765-85		1	464655	DGU1	EET CF	08/25/25 12:16

Client Sample ID: FD-3_25_08

Lab Sample ID: 310-314023-13

Date Collected: 08/20/25 00:00

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464629	WSE8	EET CF	08/25/25 18:26
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465765	V7YZ	EET CF	09/05/25 15:24
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465897	V7YZ	EET CF	09/06/25 19:03
Total/NA	Prep	3510C			464719	J5BR	EET CF	08/26/25 07:34
Total/NA	Analysis	8270E		1	465902	V7YZ	EET CF	09/07/25 18:02
Total/NA	Analysis	8015C		1	464746	BW2O	EET CF	08/26/25 18:28
Total/NA	Prep	3511			464939	BW2O	EET CF	08/27/25 12:40
Total/NA	Analysis	8081B		1	465011	BW2O	EET CF	08/28/25 12:59
Total/NA	Prep	3511			464939	BW2O	EET CF	08/27/25 12:40
Total/NA	Analysis	8082A		1	464957	BW2O	EET CF	08/27/25 20:24
Total/NA	Prep	8151A			831632	CI	EET CHI	08/27/25 07:18
Total/NA	Analysis	8151A		1	831680	BC	EET CHI	08/27/25 20:43
Total/NA	Prep	3005A			464825	QTZ5	EET CF	08/27/25 09:00
Total/NA	Analysis	6020B		1	465295	ZRI4	EET CF	08/30/25 17:30

Client Sample ID: FD-3_25_08

Lab Sample ID: 310-314023-13

Date Collected: 08/20/25 00:00

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			464805	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 11:41
Total/NA	Prep	9012B			464625	ENB7	EET CF	08/25/25 09:00
Total/NA	Analysis	9012B		1	464987	ZJX4	EET CF	08/28/25 00:02
Total/NA	Prep	9030B			831618	CLB	EET CHI	08/26/25 18:19 - 08/26/25 18:21 [1]
Total/NA	Analysis	9034		1	831619	CLB	EET CHI	08/27/25 02:35 - 08/27/25 02:40 [1]
Total/NA	Analysis	I-3765-85		1	464655	DGU1	EET CF	08/25/25 12:16

Client Sample ID: FD-4_25_08

Lab Sample ID: 310-314023-14

Date Collected: 08/20/25 00:00

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464629	WSE8	EET CF	08/25/25 18:48
Total/NA	Prep	3510C			464848	J5BR	EET CF	08/27/25 07:17
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/29/25 16:40
Total/NA	Prep	3510C			464848	J5BR	EET CF	08/27/25 07:17
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/04/25 22:29
Total/NA	Analysis	8015C		1	464746	BW2O	EET CF	08/26/25 18:51
Total/NA	Prep	3511			464939	BW2O	EET CF	08/27/25 12:40
Total/NA	Analysis	8081B		1	465011	BW2O	EET CF	08/28/25 13:12
Total/NA	Prep	3511			464939	BW2O	EET CF	08/27/25 12:40
Total/NA	Analysis	8082A		1	464957	BW2O	EET CF	08/27/25 20:37
Total/NA	Prep	8151A			831632	CI	EET CHI	08/27/25 07:18
Total/NA	Analysis	8151A		1	831680	BC	EET CHI	08/27/25 21:01
Total/NA	Prep	3005A			464825	QTZ5	EET CF	08/27/25 09:00
Total/NA	Analysis	6020B		1	465295	ZRI4	EET CF	08/30/25 17:33
Total/NA	Prep	7470A			464805	QTZ5	EET CF	08/27/25 12:30
Total/NA	Analysis	7470A		1	465101	RLT9	EET CF	08/28/25 11:43
Total/NA	Prep	9012B			464897	ENB7	EET CF	08/27/25 10:06
Total/NA	Analysis	9012B		1	464987	ZJX4	EET CF	08/28/25 00:15
Total/NA	Prep	9030B			831618	CLB	EET CHI	08/26/25 18:21 - 08/26/25 18:23 [1]
Total/NA	Analysis	9034		1	831619	CLB	EET CHI	08/27/25 02:40 - 08/27/25 02:44 [1]
Total/NA	Analysis	I-3765-85		1	464655	DGU1	EET CF	08/25/25 12:16

Client Sample ID: FB-3_25_08

Lab Sample ID: 310-314023-15

Date Collected: 08/20/25 13:40

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464629	WSE8	EET CF	08/25/25 11:40
Total/NA	Prep	3510C			464848	J5BR	EET CF	08/27/25 07:17
Total/NA	Analysis	8270E		1	465217	V7YZ	EET CF	08/29/25 17:07

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Client Sample ID: FB-3_25_08

Lab Sample ID: 310-314023-15

Date Collected: 08/20/25 13:40

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			464848	J5BR	EET CF	08/27/25 07:17
Total/NA	Analysis	8270E		1	465678	V7YZ	EET CF	09/04/25 22:56
Total/NA	Analysis	8015C		1	464746	BW2O	EET CF	08/26/25 19:12
Total/NA	Prep	3511			464939	BW2O	EET CF	08/27/25 12:40
Total/NA	Analysis	8081B		1	465011	BW2O	EET CF	08/28/25 13:25
Total/NA	Prep	3511			464939	BW2O	EET CF	08/27/25 12:40
Total/NA	Analysis	8082A		1	464957	BW2O	EET CF	08/27/25 20:50
Total/NA	Prep	8151A			831632	CI	EET CHI	08/27/25 07:18
Total/NA	Analysis	8151A		1	831680	BC	EET CHI	08/27/25 21:18
Total/NA	Prep	3005A			464825	QTZ5	EET CF	08/27/25 09:00
Total/NA	Analysis	6020B		1	465295	ZRI4	EET CF	08/30/25 17:36
Total/NA	Prep	7470A			465197	QTZ5	EET CF	08/29/25 14:10
Total/NA	Analysis	7470A		1	465283	RLT9	EET CF	08/30/25 10:11
Total/NA	Prep	9012B			464897	ENB7	EET CF	08/27/25 10:06
Total/NA	Analysis	9012B		1	464987	ZJX4	EET CF	08/28/25 00:11
Total/NA	Prep	9030B			831618	CLB	EET CHI	08/26/25 18:23 - 08/26/25 18:25 [1]
Total/NA	Analysis	9034		1	831619	CLB	EET CHI	08/27/25 02:44 - 08/27/25 02:49 [1]
Total/NA	Analysis	I-3765-85		1	464655	DGU1	EET CF	08/25/25 12:16

Client Sample ID: TB-3_25_08

Lab Sample ID: 310-314023-16

Date Collected: 08/20/25 00:00

Matrix: Water

Date Received: 08/22/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	464631	WSE8	EET CF	08/25/25 23:40

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Accreditation/Certification Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,2,4-Trichlorobenzene
8260D		Water	Allyl chloride
8260D		Water	Ethyl methacrylate
8260D		Water	m,p-Xylene
8260D		Water	o-Xylene

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-26
Georgia (DW)	State	939	05-31-26
Illinois	NELAP	100201	05-31-26
Indiana	State	C-IL-02	05-31-26
Iowa	State	082	05-01-26
Kansas	NELAP	E-10161	10-31-25
Kentucky (UST)	State	AI # 108083	05-31-26
Kentucky (WW)	State	KY90023	12-31-25
Louisiana (All)	NELAP	02046	06-30-26
Mississippi	State	NA	05-31-26
North Carolina (WW/SW)	State	291	12-31-25
North Dakota	State	R-194	04-29-24 *
Oklahoma	State	8908	12-31-25
South Carolina	State	77001003	05-31-25 *
USDA	US Federal Programs	P330-18-00018	03-30-26
Wisconsin	State	399172840	08-27-25
Wyoming	State	8TMS-Q	05-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA Site 1

Job ID: 310-314023-1
SDG: 25C051_25_08

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8015C	Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
8151A	Herbicides (GC)	SW846	EET CHI
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
9012B	Cyanide, Total andor Amenable	SW846	EET CF
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	EET CHI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CF
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

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310-314023 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State. CITY: Cedar Rapids STATE: IA Project.

Receipt Information

Date/Time Received: DATE: 6/22/25 TIME: 1330 Received By: BP

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID.
Multiple Coolers?	☒ Yes	☐ No	*If yes:* Cooler # 1 of 6
Cooler Custody Seals Present?	☐ Yes	☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: R Correction Factor (°C): +0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 0.3 Corrected Temp (°C): 0.3

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY Cedar Rapids | STATE IA | Project

Receipt Information

Date/Time Received: DATE 4/22/25 | TIME 1330 | Received By: BP

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes* Cooler ID

Multiple Coolers? ☒ Yes ☐ No *If yes* Cooler # 2 of 6

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes* Which VOA samples are in cooler? ↓

TB-3, MW-11, MW-12

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: R | Correction Factor (°C): +0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.4 | Corrected Temp (°C): 1.4

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used		
Uncorrected Temp (°C):		
Corrected Temp (°C)		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes.* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY Cedar Rapids | STATE IA | Project:

Receipt Information

Date/Time Received: DATE 4/22/25 | TIME 1330 | Received By: BP

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other.

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes* Cooler ID

Multiple Coolers? ☒ Yes ☐ No *If yes* Cooler # 3 of 6

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other _____ ☐ NONE

Thermometer ID: R | Correction Factor (°C): +0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.1 | Corrected Temp (°C): 1.1

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C).		
Corrected Temp (°C)		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY Cedar Rapids | STATE IA | Project:

Receipt Information

Date/Time Received: DATE 6/22/25 | TIME 1330 | Received By BP

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes* Cooler ID
Multiple Coolers?	☒ Yes	☐ No	*If yes* Cooler # 4 of 6
Cooler Custody Seals Present? No	☐ Yes	☒ No	*If yes* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present? No	☐ Yes	☒ No	*If yes* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☒ No	*If yes* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other _____ ☐ NONE

Thermometer ID: R | Correction Factor (°C): +0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.8 | Corrected Temp (°C): 1.8

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C).		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes.* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY Cedar Rapids | STATE IA | Project:

Receipt Information

Date/Time Received: DATE 4/22/25 | TIME 1330 | Received By: BP

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes* Cooler ID

Multiple Coolers? ☒ Yes ☐ No *If yes* Cooler # 5 of 6

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID. R | Correction Factor (°C): +0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C). 0.8 | Corrected Temp (°C): 0.8

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C).		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY Cedar Rapids | STATE IA | Project:

Receipt Information

Date/Time Received: DATE 6/22/25 | TIME 1330 | Received By: BP

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes* Cooler ID.

Multiple Coolers? ☒ Yes ☐ No *If yes* Cooler # 6 of 6

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other._____ ☐ NONE

Thermometer ID: R | Correction Factor (°C): +0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.4 | Corrected Temp (°C): 1.4

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 1 of 5

COC Number: 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT Standard	Project Manager: Gina Wilming
Cedar Rapids IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwarte, Tyler Merritt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: Appendix II List	TSS	Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Filtered (Y/N)	REMARKS / Lab ID
															N	N	N	N	N	N	N	N		
1	AW-1_25_08	AW-1	WG	G											X	X								
2	AW-2_25_08	AW-2	WG	G											X	X								
3	AW-3_25_08	AW-3	WG	G											X	X								
4	AW-4_25_08	AW-4	WG	G											X	X								
5	AW-5_25_08	AW-5	WG	G	8/20/25	14:20	25	A		1	3	2			X	X								
6	AW-6_25_08	AW-6	WG	G	8/20	15:45	25	A		1	3	2			X	X								
7	CRL-9_25_08	CRL-9	WG	G											X	X								
8	MW-11_25_08	MW-11	WG	G	8/20	11:35	25	A		1	3	2			X	X								
9	MW-12_25_08	MW-12	WG	G	8/20	10:25	25	A		1	3	2			X	X								
10	MW-13_25_08	MW-13	WG	G											X	X								
11	MW-14_25_08	MW-14	WG	G											X	X								
12	MW-15_25_08	MW-15	WG	G											X	X								

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
								BP / ERFNS	8/22	1330

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt

DATE Signed: 8/22

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 2 of 5 **COC Number:** 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz Tyler Merritt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix II List	TSS	IA Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Filtered (Y/N)	REMARKS / Lab ID
															N	N	N	N	N	N	N	N		
13	MW-16_25_08	MW-16	WG	G											X	X								
14	MW-17_25_08	MW-17	WG	G											X	X								
15	MW-18_25_08	MW-18	WG	G											X	X								
16	MW-19_25_08	MW-19	WG	G											X	X								
17	MW-20_25_08	MW-20	WG	G											X	X								
18	MW-21_25_08	MW-21	WG	G											X	X								
19	MW-22_25_08	MW-22	WG	G											X	X								
20	MW-23_25_08	MW-23	WG	G											X	X								
21	MW-24_25_08	MW-24	WG	G											X	X								
22	MW-25_25_08	MW-25	WG	G											X	X								
23	MW-26_25_08	MW-26	WG	G												X	X	X	X	X		X		
24	MW-28_25_08	MW-28	WG	G											X	X								

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
								BPI ERFNS	8/22/25	1330

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER Tyler Merritt

DATE Signed 8/22/25

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 3 of 5

COC Number: 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O:		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz Tyler Merritt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix II List	TSS	IA Appendix I List	Bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Filtered (Y/N)	REMARKS / Lab ID
															N	N	N	N	N	N	N	N		
25	MW-30_25_08	MW-30	WG	G											X	X								
26	MW-31_25_08	MW-31	WG	G												X	X							
27	MW-32_25_08	MW-32	WG	G	8/20/25	14:40	25	19		1	3	2			X	X								
28	MW-33_25_08	MW-33	WG	G	8/20	15:50	25	9		1	3	2			X	X								
29	MW-34_25_08	MW-34	WG	G	8/20	13:35	25	9		1	3	2			X	X								
30	MW-35_25_08	MW-35	WG	G											X	X								
31	MW-36_25_08	MW-36	WG	G											X	X								
32	MW-37_25_08	MW-37	WG	G											X	X								
33	MW-38_25_08	MW-38	WG	G											X	X								
34	VP-3_25_08	VP-3	WG	G											X	X								
35	VP-4_25_08	VP-4	WG	G											X	X								
36	MW-101A_25_08	MW-101A	WG	G											X	X								

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
								BPI ERFNS	8/22/25	1330

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Additional Comments:

Valid Matrix Codes

Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt

DATE Signed: 8/22/25

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 of 5

COC Number: 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz Tyler Merritt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix II List	TSS	IA Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Arsenic	Filtered (Y/N)	REMARKS / Lab ID
37	MW-101B_25_08	MW-101B	WG	G											X	X									
38	MW-102B_25_08	MW-102B	WG	G												X	X								
39	MW-104B_25_08	MW-104B	WG	G	8/20/25	16:45	2	1		1						X							X		
40	MW-105A_25_08	MW-105A	WG	G	8/20	11:05	8	4		1	3					X	X								
41	MW-105B_25_08	MW-105B	WG	G	8/20	11:35	8	4		1	3					X	X								
42	MW-106A_25_08	MW-106A	WG	G												X	X								
43	MW-107A_25_08	MW-107A	WG	G												X	X								
44	MW-107B_25_08	MW-107B	WG	G												X	X								
45	MW-108B_25_08	MW-108B	WG	G												X	X								Do Not Analyze Cobalt
46	MW-109A_25_08	MW-109A	WG	G	8/20	17:55	8	4		1	3					X	X								
47	MW-109B_25_08	MW-109B	WG	G	8/20	16:55	8	4		1	3					X	X								
48	FD-1_25_08		WG	G											X	X									

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
								BP/ ERFNS	8/22/25	1330

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt

DATE Signed: 8/22/25

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 5 **of** 5 | **COC Number:** 1-3865545471-072125-348795

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: g.na.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Curtis Schwartz Tyler Merritt
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: IA Appendix II List	TSS	IA Appendix I List	bis(2-ethylhexyl)phthalate	alpha-BHC	Heptachlor	Arsenic	Tin	Arsenic	Appendix II VOCs	Filtered (Y/N)	REMARKS / Lab ID
49	FD-2_25_08		WG	G											X	X										
50	FD-3_25_08		WG	G	8/20/25	—	25	A		1	3	Z			X	X										
51	FD-4_25_08		WG	G	8/20/25	—	25	A		1	3	Z			X	X										
52	FD-5_25_08		WG	G												X	X									
53	FB-1_25_08	FB-1	WQ	G											X	X										
54	FB-2_25_08	FB-2	WQ	G											X	X										
55	FB-3_25_08	FB-3	WQ	G	8/20/25	13:40	25	A		1	3	Z			X	X										
56	TB-1_25_08	Trip Blank	WQ	G																				X		
57	TB-2_25_08	Trip Blank	WQ	G																				X		
58	TB-3_25_08	Trip Blank	WQ	G	—	—	4	Z			Z													X		
59	TB-4_25_08	Trip Blank	WQ	G																				X		
60	TB-5_25_08	Trip Blank	WQ	G																				X		

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
								BP / ERFNS	8/22/25	1350

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Additional Comments:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Merritt

SIGNATURE of SAMPLER: Tyler Merritt

DATE Signed: 8/22/25

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613
Phone 319-277-2401 Fax 319-277-2425

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun Conner M	Carrier Tracking No(s): N/A	COC No: 310-86225 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et eurofinsus com	State of Origin: Iowa	Page: Page 1 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State - Iowa		Job #: 310-314023-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 9/8/2025			Preservation Codes:
City: Tinley Park	TAT Requested (days): N/A			
State Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CRLCSWA Site 1	Project #: 31009776			
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc/9030BSulfide, Acid soluble and Insoluble (Tit	8151A/8151A_AP_LVI(MOD) Appendix II	Total Number of containers	Special Instructions/Note:
			Preservation Code							
AW-5_25_08 (310-314023-1)	8/20/25	14 20 Central	G	Water			X	X	3	
AW-6_25_08 (310-314023-2)	8/20/25	15 45 Central	G	Water			X	X	3	
MW-11_25_08 (310-314023-3)	8/20/25	11 35 Central	G	Water			X	X	3	
MW-12_25_08 (310-314023-4)	8/20/25	10 25 Central	G	Water			X	X	3	
MW-32_25_08 (310-314023-5)	8/20/25	14 40 Central	G	Water			X	X	3	
MW-33_25_08 (310-314023-6)	8/20/25	15 50 Central	G	Water			X	X	3	
MW-34_25_08 (310-314023-7)	8/20/25	13 35 Central	G	Water			X	X	3	
FD-3_25_08 (310-314023-13)	8/20/25	Central	G	Water			X	X	3	
FD-4_25_08 (310-314023-14)	8/20/25	Central	G	Water			X	X	3	

Other: N/A

310-314023 COC

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing North Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment.

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	8/25 1325		Stephanie Hernandez	8/26/25 0920	EEIA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		3.0+2.8, 0.3+0.1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax 319-277-2425

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun Conner M	Carrier Tracking No(s): N/A	COC No: 310-86225 2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et.eurofinsus com	State of Origin: Iowa	Page: Page 2 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State - Iowa		Job #: 310-314023-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 9/8/2025			
City: Tinley Park	TAT Requested (days): N/A			
State, Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CRLCSWA Site 1	Project #: 31009776			
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc/9030BSulfide, Acid soluble and Insoluble (Tit	8151A/8151A_AP_LVI(MOD) Appendix II	Total Number of containers	Special Instructions/Note.
			Preservation Code							
FB-3_25_08 (310-314023-15)	8/20/25	13 40 Central	G	Water			X	X	3	

Preservation Codes.
Other: N/A

Note Since laboratory accreditations are subject to change Eurofins Environment Testing North Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II III, IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment.

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	8/25/25 1325		Stephanie Hemaney	8/26/25 0920	EEIA
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		3.0+2.8

Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-314023-1
SDG Number: 25C051_25_08

Login Number: 314023
List Number: 1
Creator: Hirsch, Preston

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-314023-1
SDG Number: 25C051_25_08

Login Number: 314023
List Number: 2
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago
List Creation: 08/26/25 02:39 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8,0.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Data Validation Report

Project Name:	CRLCSWA Site 1 – Cedar Rapids, IA (25C051.00)
Task Name:	25C051_25_08
Data Set Description:	Fall 2025 Groundwater Event
Laboratory(s):	Eurofins – Cedar Falls, IA and Chicago, IL
Laboratory Sample Delivery Group (SDG) ID(s):	310-313508-1, 310-313751-1, 310-314023-1
Sample Collection Dates:	8/13/2025 – 8/20/2025
Sample Analysis Dates:	8/18/2025 – 9/7/2025
Sample Matrices:	Groundwater
Sample IDs Reviewed:	See Table 1
Verification and Validation Stage, 100% data:	☐ 1 ☒ 2A ☐ 2B ☐ 3 ☐ 4
Verified and Validated By:	Hannah Dubbs, Project Environmental Scientist 10/13/2025

The analytical data were validated to verify that laboratory quality assurance and quality control (QA/QC) procedures were documented and to evaluate the overall quality of the data reported. Analytical reports include 47 investigative groundwater samples collected via low-flow or no-purge sampling techniques at the Cedar Rapids Linn County Solid Waste Agency (CRLCSWA) Site 1 from August 13 to August 20, 2025; samples are listed in Table 1. The data were collected in accordance with the *Hydrologic Monitoring System Plan* (HRG, 2006), Iowa Department of Natural Resources (IDNR) Sanitary Disposal Closure Permit Number 57-SDP-03-75C (including Amendments), and 567 Iowa Administrative Code (IAC) 113.10.

Validation Summary

Stage 2A data validation was performed on 100% of the data from these SDGs, with review tasks and items of note documented in the summary table below.

Validation Task and Description	Review Notes	Action
Chain of Custody (COC) and Sample Receipt Form Confirm relinquish & receipt signatures. Confirm parameters and analytical methods match COC and Hydrologic Monitoring System Plan (HMSP).	All appropriate relinquish and receipt signatures were present with the exceptions listed below. Parameters and analytical methods analyzed match the COC and current sampling program with the exceptions below. The COCs associated with laboratory reports 310-313508-1, 310-313751-1, and 310-3134023-1 are missing the relinquished signature by the field personnel. The Cooler/Sample Receipt and Temperature Log Form provided the laboratory receipt information and indicated that the samples did not appear to have been compromised or tampered with and arrived in good condition. Therefore, no further action is required. Field personnel will be contacted regarding custody procedures.	Field personnel will be contacted regarding custody protocol

Validation Task and Description	Review Notes	Action
COC and Sample Receipt Form Continued	Trip blanks TB-4_25_08 and TB-5_25_08 were provided by the lab but were not analyzed since only three shipments of volatile samples occurred and trip blanks, TB-1_25_08, TB-2_25_08, and TB-3_25_08 were utilized as the trip blanks for those shipments.	Not applicable
	Eurofins inadvertently labeled sample MW-17_25_08 as MW- -17_25_08 in laboratory report 310-313751-1. Foth did not request a revised report. The sample name will be corrected in the laboratory electronic data deliverable (EDD) prior to data upload.	Mislabeled sample ID will be updated in the lab EDD prior to data upload.
	For MW-37_25_08, the field files noted the sample was taken at 12:25; however, field staff did not clearly indicate the time on the COC, and the laboratory interpreted the time as 12:05. Therefore, the laboratory reported the sample time as 12:05 in laboratory report 310-313508-1. A revised laboratory report was not requested. The sample time for MW-37_25_08 will be updated on the lab EDD prior to upload.	MW-37 sample time will be updated in the lab EDD prior to data upload.
	Tin was reported for MW-105A_25_08, MW-105B_25_08, MW-109A_25_08, and MW-109B_25_08 in laboratory report 310-314023-1 when it was not requested on the COC. Since tin is an additional parameter, no further action is required.	Not applicable
	Cobalt was reported for MW-108B_25_08 in laboratory report 310-314023-1 when it was not requested on the COC. Since cobalt is an additional parameter, no further action is required.	Not applicable
Case Narrative Review for items noted by the laboratory that may impact the validation process.	The case narrative for 310-313508-1 indicated that volatile organic analysis (VOA) vials for MW-38_25_08 were analyzed with headspace. According to the *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, 2020a) for volatile organic compounds (VOCs), proper preservation includes the absence of headspace. Professional judgment was utilized to qualify the non-detect VOC results in MW-38_25_08 as UJ. Resampling is not recommended since MW-38 is a background well where VOCs are not anticipated to be detected, and background monitoring for VOCs is not required for compliance with the *Hydrologic Monitoring System Plan* (HRG, 2006), the Permit, and 567 IAC 113.10.	Qualifiers assigned; Resampling not recommended
	The case narrative for 310-314023-1 indicated the laboratory inadvertently stored the cyanide sample for MW-11_25_08 at room temperature. According to the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (USEPA, 2020b) for cyanide, when aqueous samples are stored at a temperature greater than (>)10 degrees Celsius, non-detect cyanide results are rejected (qualified R). Cyanide was monitored at MW-11 in Fall 2025 as part of the five-year resampling for the full Appendix II list. Resampling is not recommended since cyanide has not been detected at MW-11 during previous semiannual or 5-year resampling events, no other Appendix II constituents were newly detected in Fall 2025, and cyanide has not been detected above the laboratory reporting limit at other downgradient wells at Site 1.	Qualifier assigned; Resampling not recommended

Validation Task and Description	Review Notes	Action
Case Narrative Continued	The remaining quality control issues noted in the case narratives were reviewed and found acceptable. Issues either were addressed in the comments below, had no impact on investigative samples, or were corrected/qualified by the laboratory. No additional actions are required. Note: continuing calibration verification (CCV) evaluation is not part of Stage 2A validation.	Not applicable
Sample Condition Upon Receipt (SCUR) Confirm samples in acceptable condition and no discrepancies noted. Confirm preservation meets method requirements.	With the exception identified below, samples were received by Eurofins – Cedar Falls, IA in acceptable conditions. In addition, the herbicide and sulfide sample shipments from Eurofins – Cedar Falls, IA to Eurofins – Chicago, IL were received in acceptable conditions. As detailed in the Case Narrative Review Notes, the VOA vials for MW-38_25_08 were analyzed with headspace; therefore, the non-detect VOC results were qualified UJ. Resampling was not recommended.	Not applicable Qualifier assigned; Resampling not recommended
Methods Requested Confirm methods match project requirements and lab provided all methods ordered.	The methods ordered and analyzed were performed in accordance with the project requirements. Methods include United States Environmental Protection Agency (USEPA) 8260D VOCs, USEPA 8270E Semivolatile Organic Compounds (SVOCs), USEPA 8015C Nonhalogenated Organics, USEPA 8151A Herbicides, USEPA 8081B Organochlorine Pesticides, USEPA 8082A Polychlorinated Biphenyls (PCBs), USEPA 8151A Herbicides, USEPA 6020B Total Metals, USEPA 7470A Mercury, USEPA 9012B Cyanide, USEPA 9034 Sulfide, and United States Geological Survey (USGS) I-3765-85 Total Suspended Solids (TSS).	Not applicable
Analytes Requested Confirm analytes ordered match project requirements and lab provided all analytes ordered.	The analytes requested were analyzed in accordance with the project requirements. The laboratory provided all analytes ordered. As detailed in the COC and Sample Receipt Form Review Notes, the following analytes were reported when not requested on the COC: tin for MW-105A_25_08, MW-105B_25_08, MW-109A_25_08, and MW-109B_25_08 in laboratory report 310-314023-1 and cobalt for MW-108B_25_08 in laboratory report 310-314023-1.	Not applicable Not applicable
Holding Times Confirm laboratory performed extractions and analyses within method-required holding times.	Eurofins performed analysis within the method-required holding times with the exceptions below. <u>310-313508-1</u> Analysis for SVOCs per USEPA Method 8270E is required to be extracted within 7 days of sampling and analyzed within 40 days of extraction. AW-1_25_08, MW-13_25_08, MW-14_25_08, and FD-1_25_08 were extracted outside the 7-day holding time, but analyzed within the 40-day holding time. Samples exceeded the 7-day extraction hold time by less than (<) 1 hour and approximately 4 hours, 3 hours, and 3 hours, respectively. In accordance with the *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, 2020a), when SVOC samples are extracted outside the 7-day hold time and analyzed outside or within the 40-day holding time, detected SVOCs are qualified J- and non-detects are rejected (qualified R). Professional judgment was utilized not to qualify the non-detect SVOC results in AW-1_25_08, MW-13_25_08, MW-	No qualifiers assigned, resampling not recommended

Validation Task and Description	Review Notes	Action
Hold Times Continued	14_25_08, and FD-1_25_08 and detected dimethyl phthalate in MW-13_25_08 since the extraction holding times for SVOCs were only slightly exceeded (i.e., maximum 4 hours). SVOCs were monitored at AW-1, MW-13, and MW-14 in Fall 2025 as part of the five-year resampling for the full Appendix II list. Resampling is not recommended for AW-1, MW-13, and MW-14 since the extraction hold time was exceeded by less than 4 hours, and the results were not rejected. Except for one bis(2-ethylhexyl)phthalate at AW-1 in March 2009, SVOCs have not been detected at concentrations above the laboratory PQL in AW-1, MW-13, and MW-14. Resampling for FD-1 is not applicable since it is a quality control sample. Analysis for sulfide per USEPA Method 9034 is required to be extracted within 7 days of sampling and analyzed within 7 days of extraction. AW-2_25_08, MW-37_25_08, MW-38_25_08, and VP-3_25_08 were extracted outside the 7-day holding time, but analyzed within the 7-day holding time. Samples exceeded the 7-day extraction hold time by approximately 0.5 hours, 4.5 hours, 5 hours, and 2 hours, respectively. No guidance is provided in the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (USEPA, 2020b) for sulfide analysis regarding this issue. However, professional judgment was utilized not to qualify the non-detect sulfide results in AW-2_25_08, MW-37_25_08, and MW-38_25_08, and the low-level result at VP-3 since the holding time was only slightly exceeded. Sulfide was monitored at AW-2, MW-37, MW-38, and VP-3 in Fall 2025 as part of the five-year resampling for the full Appendix II list. For AW-2, MW-37, and MW-38, resampling is not recommended since the extraction hold time was exceeded by less than 5 hours, the results were not rejected, and sulfide has not been detected at these wells previously. In addition, MW-37 and MW-38 are background wells, and background monitoring for sulfide is not required for compliance with the *Hydrologic Monitoring System Plan* (HRG, 2006), the Permit, and 567 IAC 113.10. Resampling for VP-3 is not recommended since the extraction hold time was missed by less than 2 hours, and the result was not rejected. Sulfide was detected for the first time at VP-3 during this sampling event, despite the extraction holding time exceedance, which would typically result in low-biased concentrations due to sulfide degradation. <u>310-313751-1</u> Analysis for pesticides per USEPA Method 8081B is required to be extracted within 7 days of sampling and analyzed within 40 days of extraction. MW-24_25_08, MW-25_25_08, and MW-28_25_08 were extracted outside the 7-day holding time, but analyzed within the 40-day holding time. Samples exceeded the 7-day extraction hold time by approximately 2 hours, 1.5 hours, and 1.5 hours, respectively. In accordance with the *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, 2020a), when pesticide samples are extracted outside the 7-day hold time and analyzed outside or within the 40-day holding time, detected pesticides are qualified J and non-detects are rejected (qualified R). Professional	See above No qualifiers assigned, resampling not recommended No qualifiers assigned, resampling not recommended

Validation Task and Description	Review Notes	Action
Hold Times Continued	judgment was utilized not to qualify the non-detect pesticide results in MW-24_25_08, MW-26_25_08, and MW-28_25_08 since the extraction holding times for pesticides were only slightly exceeded. Pesticides were monitored at MW-24, MW-25, and MW-28 in Fall 2025 as part of the five-year resampling for the full Appendix II list. Resampling is not recommended since the extraction hold times were missed by 2 hours or less, the results were not rejected, and pesticides have not been detected at these wells previously.	See above
Blanks Confirm no detections in laboratory method blanks, field blanks, and trip blanks.	Table 3 presents analytes detected in the method and field blanks. No detections were found in the trip blanks. 310-313508-1 Mercury was detected in the method blank (MB 310-464229/1-A) at a concentration of 0.0002149 milligrams per liter (mg/L). In accordance with the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (USEPA, 2020b) for mercury, when the blank concentration is greater than or equal to (≥) the practical quantitation limit (PQL), associated non-detect sample results are not qualified. Benzyl alcohol was detected in the field blank (FB-1_25_08) at a concentration of 5.07 J micrograms per liter (ug/L). In accordance with the *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, 2020a) for SVOCs, when the blank concentration is J-flagged, associated non-detect sample results are not qualified. 310-313751-1 Styrene was detected in the field blank (FB-2_25_08) at a concentration of 0.611 J ug/L. In accordance with the *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, 2020a) for VOCs, when the blank concentration is J-flagged, associated non-detect sample results are not qualified.	No qualifiers assigned No qualifiers assigned No qualifiers assigned
Surrogates or Deuterated Monitoring Compounds For *organic analyses only*, confirm surrogates analyzed and surrogate recovery within QC limits.	Table 4 presents the surrogate recoveries that were outside the control limits. 310-313751-1 The DCB decachlorobiphenyl and tetrachloro-m-xylene surrogate recoveries for MW-30_25_08 were above the upper acceptance limit, indicating potential high bias for PCBs in this sample. In accordance with the *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, 2020a) for PCBs, when surrogate recovery is above the recovery limit and below the expanded upper acceptance limit (200%), associated non-detect sample results are not qualified. The terphenyl – D14 surrogate recoveries for FD-2_25_08 and MW-26_25_08 were above the upper acceptance limit, indicating potential high bias for SVOCs in these samples. In accordance with the *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, 2020a) for SVOCs, when base/neutral surrogate	No qualifiers assigned No qualifiers assigned

Validation Task and Description	Review Notes	Action
Surrogates or Deuterated Monitoring Compounds Continued	recovery is above the recovery limit, associated non-detect base/neutral SVOCs are not qualified. <u>310-314023-1</u> The 2,4-dichlorophenylacetic acid surrogate recoveries for FD-3_25_08, FD-4_25_08, AW-6_25_08, MW-12_25_08, MW-32_25_08, and MW-34_25_08 were above the upper acceptance limit, indicating high bias for herbicides in these samples. In accordance with the *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, 2020a) for herbicides, when surrogate recovery is above the recovery limit and below the expanded upper acceptance limit (200%), non-detect herbicides in the samples are not qualified. When surrogate recovery is above the recovery limit and above the expanded upper acceptance limit (200%), professional judgment is used for non-detects. Professional judgment was used to not qualify the herbicide results in FD-3_25_08, FD-4_25_08, AW-6_25_08, and MW-12_25_08 since the samples are potentially biased high, which would have little or no effect on the non-detect herbicide results. The DCB decachlorobiphenyl and tetrachloro-m-xylene surrogate recoveries for MW-33_25_08 and MW-34_25_08 were above the upper acceptance limit, indicating potential high bias for pesticides in these samples. In accordance with the *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, 2020a) for pesticides, when surrogate recovery is above the recovery limit and below the expanded upper acceptance limit (200%), non-detect pesticides in the samples are not qualified. The DCB Decachlorobiphenyl and tetrachloro-m-xylene surrogate recoveries for MW-33_25_08 and MW-34_25_08 were above the upper acceptance limit, indicating potential high bias for PCBs in these samples. In accordance with the *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, 2020a) for PCBs, when surrogate recovery is above the recovery limit and below the expanded upper acceptance limit (200%), non-detect PCBs in the samples are not qualified.	No qualifiers assigned No qualifiers assigned No qualifiers assigned
Matrix Spike/Matrix Spike Duplicates (MS/MSD) Confirm, for Organic analytes, MSD relative percent difference (RPD) within limits. For inorganic analytes, lab replicate RPD within limits.	MS/MSD quality control samples are not required for this project. As a result, no MS/MSD samples were collected or submitted for analysis. Where analyzed and reported by the laboratory, MS/MSD results associated with the samples in 310-313508-1, 310-313751-1, and 310-314023-1are reviewed under Stage 2A validation guidelines. Table 5 presents MS/MSD recoveries and RPDs that were outside the control limits. Qualifiers are assigned in Table 9. <u>310-313508-1</u> The MS recoveries for acetonitrile and isobutanol associated with AW-1_25_08 were below the recovery limits, indicating potential low bias. However, MSD recoveries for acetonitrile and isobutanol associated with AW-1_25_08 were within the recovery limits. No qualifiers were assigned since qualifiers are typically only applied	No qualifiers assigned

Validation Task and Description	Review Notes	Action
MS/MSD Continued	when both the MS and MSD recoveries are outside the recovery limits. In addition, the RPDs were above the RPD limit. No guidance is provided in the *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, 2020a) for non-halogenated organic compound analysis regarding this issue. However, professional judgment was utilized not to qualify the associated non-detect acetonitrile and isobutanol results when the RPD is > the specified upper acceptance limit. Note that this is consistent with the required action for MS/MSD RPD exceedances with associated non-detect results for the organic compound groups covered by the guidance. The MS and MSD recoveries for sulfide associated with FB-1_25_08 were below the recovery limit (75%-125%), indicating potential low bias. No guidance is provided in the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (USEPA, 2020b) for sulfide analysis. However, professional judgment was utilized to evaluate qualifiers based on the protocols for anions. For anions, when the MS and MSD recovery is within 35%-79%, associated non-detect results are qualified UJ.	See above Qualifier assigned
Laboratory Control Sample/Laboratory Control Sample Duplicates (LCS/LCSDs) Confirm LCS analyzed and LCS/LCSD recovery and RPD within lab specified limits.	LCS/LCSD quality control samples are not required for this project. A review of LCS/LCSD was not conducted as part of this analysis due to the resource demands associated with the evaluation. Qualifiers assigned by the laboratory are accepted for data usability purposes.	Not applicable
Laboratory Duplicates Confirm lab duplicates analyzed and RPD within lab specified limits.	Laboratory duplicate quality control samples are not required for this project. Where analyzed and reported by the laboratory, laboratory duplicate results associated with the samples in 310-313508-1, 310-313751-1, and 310-314023-1 are reviewed under Stage 2A validation guidelines. Table 7 is intended to present the lab duplicate sample RPDs that were outside the RPD limits. Lab duplicate RPDs were within control limits for these sample delivery groups (SDGs).	Not applicable
Field Duplicates Confirm field duplicates collected at required frequency and field duplicate RPD within acceptable limits.	Field duplicate samples were collected at a 1 per 10 frequency in accordance with the project requirements. Table 8 contains the precision evaluation of the parent/field duplicate samples. Qualifiers are assigned in Table 9. The low-level RPD for 1,1-dichloroethane between MW-30_25_08 and corresponding field duplicate FD-2_25_08 exceeded the laboratory reporting limit. In accordance with the approved Data Verification, Validation, and Qualification Standard Operating Procedure (SOP), when the low-level RPD is greater than 5x the PQL, non-detects are qualified UJ, and detects are qualified J.	Qualifiers assigned

Abbreviations:
> = greater than
≥ = greater than or equal to

Abbreviations Continued:
< = less than
CCV = continuing calibration verification
COC = chain of custody
EDD = electronic data deliverable
HMSP = Hydrologic Monitoring System Plan
LCS = laboratory control sample
LCSD = laboratory control sample duplicate
mg/L = milligrams per liter
MS = matrix spike
MSD = matrix spike duplicate
PCB = polychlorinated biphenyls
PQL = Practical Quantitation Limit
QA = quality assurance
QC = quality control
RPD = relative percent difference
SCUR = sample condition upon receipt
SDG = sample delivery group
SOP = standard operating procedure
SVOC = semivolatile organic compound
ug/L = microgram per liter
USEPA = United States Environmental Protection Agency
USGS = United States Geological Survey
TSS = total suspended solids
VOA = volatile organic analysis
VOC = volatile organic compound

Overall Assessment of Data

Item	Acceptable		Comments
	Yes	No	
1. Method Criteria		X	Samples were collected, preserved, shipped/delivered, and analyzed within the method protocols, with the exceptions listed below. As detailed in the Case Narrative Review Notes, the VOA vials for MW-38_25_08 were analyzed with headspace; therefore, the non-detect VOC results were qualified UJ. In addition, the laboratory inadvertently stored the cyanide sample for MW-11_25_08 at room temperature; therefore, the result was rejected (qualified R). Resampling was not recommended for VOCs in MW-38 and cyanide in MW-11. As further described in the Hold Times Review Notes, there were multiple extraction hold time exceedances in SDGs 310-313508-1 and 310-313751-1. Professional judgment was utilized not to qualify the associated results. Resampling was not recommended since the extraction holding times were only slightly exceeded and results were not rejected. The analyte/well pairs with extraction holding time exceedances were relatively low compared to the total number of results analyzed.

Item	Acceptable		Comments
	Yes	No	
2. Precision	X		Field precision was evaluated through investigative and field duplicate RPDs. The RPDs between the investigative and field duplicate samples were within the duplicate sample validation criteria, with the exception below. As further detailed in the Field Duplicates Review Notes, the RPD for 1,1-dichloroethane between MW-30_25_08 and the corresponding field duplicate FD-2_25_08 exceeded the low-level RPD limit. Therefore, the non-detect result in MW-30_25_08 was qualified non-detect and the detection in FD-2_25_08 was qualified J. Laboratory precision was evaluated through MS/MSD, LCS/LCSD, and laboratory duplicate RPDs. As noted in the LCS/LCSDs Review Notes, a review of LCS/LCSD was not conducted as part of this analysis . Where analyzed and reported by the laboratory, laboratory duplicate RPDs were within control limits, and MS/MSD RPDs were within control limits, with the exception below. As detailed in the MS/MSD Review Notes, the MS/MSD RPD limits were exceeded for acetonitrile and isobutanol associated with AW-1_25_08, indicating the results may be estimated values. Professional judgment was utilized not to qualify the associated non-detect acetonitrile and isobutanol results in AW-1_25_08.
3. Accuracy	X		Accuracy was evaluated through surrogate, MS/MSD, and LCS/LCSD recovery. As noted in the LCS/LCSDs Review Notes, a review of LCS/LCSD was not conducted as part of this analysis. The percent recoveries for surrogates and MS/MSDs were within control limits with the exceptions below. As listed in Table 4, several PCB, SVOC, herbicide, and pesticide surrogate recoveries were above the recovery limits. No qualifiers were applied since the associated sample results were non-detect. As listed in Table 5, the MS recoveries for acetonitrile and isobutanol associated with AW-1_25_08 were below the recovery limits and MSD recoveries were within the recovery limits. No qualifiers were assigned since qualifiers are typically only applied when both the MS and MSD recoveries are outside the recovery limits. For sulfide associated with FB-1_25_08, MS/MSD recoveries were below the recovery limit, indicating potential low bias. Professional judgment was utilized to qualify the associated non-detect results as UJ.
4. Representativeness	X		Sampling was conducted in accordance with the sample collection procedures described in the approved HMSP, approved HMSP revisions, and SOPs.
5. Comparability	X		Collection techniques, measurement procedures, methods, and reporting were equivalent to currently approved procedures and are comparable to historical data.
6. Completeness	X		Valid analytical results exceeded 90%.

Item	Acceptable		Comments
	Yes	No	
7. Suitability for Intended Use	X		No evidence of gross contamination or significant issues with the method criteria, precision, accuracy, representativeness, comparability, or completeness were identified.

Overall, the data reported are of good quality and the results for the QA/QC measurements that were used by the laboratories during the analysis of the samples were generally acceptable. Some sample results required qualification during data validation because method-specific QA/QC criteria were not met; results may be qualified for more than one reason. Qualified data are usable (unless qualified as rejected [R]), represent data of good quality and reasonable confidence, and have an acceptable degree of uncertainty (i.e., may be less precise or less accurate than unqualified data). Table 2 provides a definition of the qualifiers that may be assigned by the validator and/or retained from the laboratory. A summary of the validation qualifiers is provided below.

- No results were qualified as biased low (assigned as J- qualifiers), biased high (assigned as J+ qualifiers), non-detect at a concentration less than the reporting limit (assigned as U), and presumptive evidence of presence of an analyte (assigned as N or NJ qualifiers).
- One result (0.01%) was qualified as estimated (assigned as J).
- 63 results (0.62%) were qualified as non-detect with the reporting limit an estimated value (UJ).
- One result (0.01%) was not usable and rejected (assigned as R qualifier).
- 99.99% of the reported data is usable for project data quality objectives.

Attachment 1

Tables

Table 1
Sample IDs Reviewed

Project Sample ID	Analyzed Lab Sample ID	Project Sample ID Matches Lab Client Sample ID	Lab Sample Date/Time Match COC/Logbook	Parameters and Analytical Methods Match COC	Within Hold Times	Sample Type
AW-1_25_08	310-313508-1	Yes	Yes	Yes	**No**	Normal
AW-2_25_08	310-313508-2	Yes	Yes	Yes	**No**	Normal
AW-3_25_08	310-313508-3	Yes	Yes	Yes	Yes	Normal
CRL-9_25_08	310-313508-4	Yes	Yes	Yes	Yes	Normal
MW-13_25_08	310-313508-5	Yes	Yes	Yes	**No**	Normal
MW-14_25_08	310-313508-6	Yes	Yes	Yes	**No**	Normal
MW-15_25_08	310-313508-7	Yes	Yes	Yes	Yes	Normal
MW-16_25_08	310-313508-8	Yes	Yes	Yes	Yes	Normal
MW-21_25_08	310-313508-9	Yes	Yes	Yes	Yes	Normal
MW-22_25_08	310-313508-10	Yes	Yes	Yes	Yes	Normal
MW-23_25_08	310-313508-11	Yes	Yes	Yes	Yes	Normal
MW-37_25_08	310-313508-12	Yes	**No**	Yes	**No**	Normal
MW-38_25_08	310-313508-13	Yes	Yes	Yes	**No**	Normal
VP-3_25_08	310-313508-14	Yes	Yes	Yes	**No**	Normal
VP-4_25_08	310-313508-15	Yes	Yes	Yes	Yes	Normal
MW-101A_25_08	310-313508-16	Yes	Yes	Yes	Yes	Normal
MW-101B_25_08	310-313508-17	Yes	Yes	Yes	Yes	Normal
FD-1_25_08	310-313508-18	Yes	Yes	Yes	**No**	FD
FB-1_25_08	310-313508-19	Yes	Yes	Yes	**No**	FB
TB-1_25_08	310-313508-20	Yes	Yes	Yes	Yes	TB
AW-4_25_08	310-313751-1	Yes	Yes	Yes	Yes	Normal
MW-17_25_08	310-313751-2	**No**	Yes	Yes	Yes	Normal
MW-18_25_08	310-313751-3	Yes	Yes	Yes	Yes	Normal
MW-19_25_08	310-313751-4	Yes	Yes	Yes	Yes	Normal
MW-20_25_08	310-313751-5	Yes	Yes	Yes	Yes	Normal
MW-24_25_08	310-313751-6	Yes	Yes	Yes	**No**	Normal
MW-25_25_08	310-313751-7	Yes	Yes	Yes	**No**	Normal
MW-26_25_08	310-313751-8	Yes	Yes	Yes	Yes	Normal
MW-28_25_08	310-313751-9	Yes	Yes	Yes	**No**	Normal
MW-30_25_08	310-313751-10	Yes	Yes	Yes	Yes	Normal
MW-31_25_08	310-313751-11	Yes	Yes	Yes	Yes	Normal
MW-35_25_08	310-313751-12	Yes	Yes	Yes	Yes	Normal
MW-36_25_08	310-313751-13	Yes	Yes	Yes	Yes	Normal
MW-102B_25_08	310-313751-14	Yes	Yes	Yes	Yes	Normal

Table 1
Sample IDs Reviewed

Project Sample ID	Analyzed Lab Sample ID	Project Sample ID Matches Lab Client Sample ID	Lab Sample Date/Time Match COC/Logbook	Parameters and Analytical Methods Match COC	Within Hold Times	Sample Type
MW-106A_25_08	310-313751-15	Yes	Yes	Yes	Yes	Normal
MW-107A_25_08	310-313751-16	Yes	Yes	Yes	Yes	Normal
MW-107B_25_08	310-313751-17	Yes	Yes	Yes	Yes	Normal
MW-108B_25_08	310-313751-18	Yes	Yes	Yes	Yes	Normal
FD-2_25_08	310-313751-19	Yes	Yes	Yes	**No**	FD
FD-5_25_08	310-313751-20	Yes	Yes	Yes	**No**	FD
FB-2_25_08	310-313751-21	Yes	Yes	Yes	**No**	FB
TB-2_25_08	310-313751-22	Yes	Yes	Yes	Yes	TB
AW-5_25_08	310-314023-1	Yes	Yes	Yes	Yes	Normal
AW-6_25_08	310-314023-2	Yes	Yes	Yes	Yes	Normal
MW-11_25_08	310-314023-3	Yes	Yes	Yes	Yes	Normal
MW-12_25_08	310-314023-4	Yes	Yes	Yes	Yes	Normal
MW-32_25_08	310-314023-5	Yes	Yes	Yes	Yes	Normal
MW-33_25_08	310-314023-6	Yes	Yes	Yes	Yes	Normal
MW-34_25_08	310-314023-7	Yes	Yes	Yes	Yes	Normal
MW-104B_25_08	310-314023-8	Yes	Yes	Yes	Yes	Normal
MW-105A_25_08	310-314023-9	Yes	Yes	Yes	Yes	Normal
MW-105B_25_08	310-314023-10	Yes	Yes	Yes	Yes	Normal
MW-109A_25_08	310-314023-11	Yes	Yes	Yes	Yes	Normal
MW-109B_25_08	310-314023-12	Yes	Yes	Yes	Yes	Normal
FD-3_25_08	310-314023-13	Yes	Yes	Yes	**No**	FD
FD-4_25_08	310-314023-14	Yes	Yes	Yes	**No**	FD
FB-3_25_08	310-314023-15	Yes	Yes	Yes	Yes	FB
TB-3_25_08	310-314023-16	Yes	Yes	Yes	Yes	TB

Notes:
FB = field blank
FD = field duplicate
TB = trip blank

Table 2
Explanation of Qualifiers

Qualifier	Explanation
U	The analyte was analyzed for and was not detected above the numerical quantitation limit.
J	The analyte was analyzed for and was positively identified, but the analytical result (i.e., quantitation) is an estimated value. In some cases it is recognized that the estimated value is biased high (J+) suggesting the actual value is lower than estimated; or biased low (J-) suggesting the actual value is higher than estimated.
UJ	The analyte was analyzed for and was not detected above the reporting limit, but the reporting limit is an estimated value.
R	The analyte was analyzed for but may or may not be present and/or quantifiable due to quality control issues. The analytical result is not usable and should be rejected.
N	The analysis indicates presumptive evidence of the presence of the analyte.
NJ	The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.

Notes:
Results qualified as "J" or "UJ" are of acceptable data quality and may be used quantitatively per United States Environmental Protection Agency guidelines.

Table 3
Method, Field, and Trip Blank Exceedances

Lab Report	Blank Type	Lab Sample ID	Analysis Batch	Prep Batch	Parameter	Result	Units	Lab Qualifier	MDL	PQL	Associated Samples
310-313508-1	MB	MB 310-464229/1-A	464400	464229	Mercury	0.0002149	mg/L		0.00011	0.0002	AW-1_25_08, AW-2_25_08, AW-3_25_08, CRL-9_25_08, MW-13_25_08, MW-14_25_08, MW-15_25_08, MW-16_25_08, MW-21_25_08, MW-22_25_08, MW-23_25_08, MW-37_25_08, MW-38_25_08, VP-3_25_08
310-313508-1	FB	FB-1_25_08	464999	464385	Benzyl Alcohol	5.07	ug/L	J	1.35	10.4	Investigative and FD samples in 310-313508-1
310-313751-1	FB	FB-2_25_08	464361	N/A	Styrene	0.611	ug/L	J	0.37	1.00	Investigative and FD samples in 310-313751-1

Notes:
FB = field blank
FD = field duplicate
MB = method blank
MDL = minimum detection limit
N/A = not applicable
PQL = practical quantitation limit
ug/L = micrograms per liter

Table 4
Surrogate Recovery Exceedances

Lab Sample ID	Parent Sample	Parameter	Surrogate % Recovery	% Recovery Limits	
310-313751-10	MW-30_25_08	DCB Decachlorobiphenyl	153	10	150
310-313751-10	MW-30_25_08	Tetrachloro-m-xylene	159	17	150
310-313751-19	FD-2_25_08	Terphenyl - D14	156	13	150
310-313751-8	MW-26_25_08	Terphenyl - D14	157	13	150
310-314023-13	FD-3_25_08	2,4-Dichlorophenylacetic Acid	245	25	130
310-314023-14	FD-4_25_08	2,4-Dichlorophenylacetic Acid	353	25	130
310-314023-2	AW-6_25_08	2,4-Dichlorophenylacetic Acid	267	25	130
310-314023-4	MW-12_25_08	2,4-Dichlorophenylacetic Acid	402	25	130
310-314023-5	MW-32_25_08	2,4-Dichlorophenylacetic Acid	133	25	130
310-314023-7	MW-34_25_08	2,4-Dichlorophenylacetic Acid	149	25	130
310-314023-6	MW-33_25_08	DCB Decachlorobiphenyl	153	10	150
310-314023-6	MW-33_25_08	Tetrachloro-m-xylene	173	17	150
310-314023-7	MW-34_25_08	DCB Decachlorobiphenyl	165	10	150
310-314023-7	MW-34_25_08	Tetrachloro-m-xylene	182	17	150
310-314023-6	MW-33_25_08	DCB Decachlorobiphenyl	156	10	150
310-314023-6	MW-33_25_08	Tetrachloro-m-xylene	177	17	150
310-314023-7	MW-34_25_08	DCB Decachlorobiphenyl	168	10	150
310-314023-7	MW-34_25_08	Tetrachloro-m-xylene	186	17	150

Notes:
% = percent

Table 5
Matrix Spike - Matrix Spike Duplicate Exceedances

Lab Sample ID	Parent Sample	Parameter	MS % Recovery	MSD % Recovery	% Recovery Limits	RPD	RPD Limit
310-313508-1 MS	AW-1_25_08	Acetonitrile	59	85	67-134	36	23
310-313508-1 MSD							
310-313508-1 MS	AW-1_25_08	Isobutanol	52	87	80-125	50	20
310-313508-1 MSD							
310-313508-19 MS	FB-1_25_08	Sulfide	54	55	75-125	2	20
310-313508-19 MSD							

Notes:
% = percent
MS = matrix spike
MSD = matrix spike duplicate
RPD = relative percent difference

Table 6
Laboratory Control Sample and Laboratory Control Sample Duplicate Exceedances

Lab Sample ID	Associated SDG Batch	Parameter	LCS % Recovery	LCSD % Recovery	% Recovery Limits	RPD	RPD Limit
LCS/LCSDs were not reviewed for these SDGs.							

Notes:
% = percent
LCS = laboratory control sample
LSCD = laboratory control sample duplicate
RPD = relative percent difference
SDG = sample delivery group

Table 7
Laboratory Duplicate Sample Exceedances

Lab Sample ID	Client Sample ID	Parameter	RPD	RPD Limit
Lab duplicate sample RPDs were within the RPD limits for these SDGs.				

Notes:
RPD = relative percent difference

Table 8
Relative Percent Difference (RPD) Analysis for Field Duplicate Samples
Appendix II Constituents & TSS

RPD = $\dfrac{\text{absolute value (a - b)}}{\text{(a + b)/2}} \times 100\%$

Acceptance Criteria*: 35%

* Unless otherwise noted in project planning documents, the acceptance criteria for field duplicates RPD is as follows:
- For analytes with concentrations greater than 5x (2x for soil matrices) the reporting limit, the RPD should be within 35% for water matrices (50% for soil matrices).
- For analytes with either or both concentrations less than 5x (2x for soil matrices) the reporting limit (indicated below by "low-level"), the absolute difference between the sample and field duplicate should not exceed 5x the reporting limit.

Duplicate Result Analysis:

Parameter	Unit	Parent	Duplicate Sample	RPD	Acceptable?
		MW-14_25_08	**FD-1_25_08**		
Antimony	mg/L	J 0.00138	< 0.00100	low-level	Yes
Arsenic	mg/L	0.0189	0.019	0.5%	Yes
Barium	mg/L	0.86	0.99	14.1%	Yes
Cobalt	mg/L	0.000888	0.00085	low-level	Yes
Nickel	mg/L	0.0155	0.0158	low-level	Yes
Tin	mg/L	J 0.00378	< 0.00250	low-level	Yes
1,1-Dichloroethane	ug/L	1.65	1.89	low-level	Yes
1,2-Dichlorobenzene	ug/L	1.23	1.35	low-level	Yes
1,4-Dichlorobenzene	ug/L	10.2	10	2.0%	Yes
Acetone	ug/L	J 3.59	J 4.84	low-level	Yes
Benzene	ug/L	0.84	0.712	low-level	Yes
Chlorobenzene	ug/L	2.16	2.05	low-level	Yes
Chloroethane	ug/L	J 1.91	J 2.22	low-level	Yes
cis-1,2-Dichloroethene	ug/L	J 0.51	J 0.668	low-level	Yes
Sulfide	mg/L	< 0.231	J 0.379	low-level	Yes
Total Suspended Solids	mg/L	84.0	78.0	7.4%	Yes
		MW-30_25_08	**FD-2_25_08**		
Arsenic	mg/L	0.0144	0.0139	3.5%	Yes
Barium	mg/L	0.157	0.154	1.9%	Yes
Cobalt	mg/L	0.00166	0.00158	low-level	Yes
Copper	mg/L	0.01440	< 0.00320	low-level	Yes
Nickel	mg/L	0.029	0.0277	4.6%	Yes
Zinc	mg/L	0.0804	0.0741	low-level	Yes
1,1-Dichloroethane	ug/L	< 0.220	9.97	low-level	**No**
1,2-Dichloropropane	ug/L	< 0.2700	J 0.338	low-level	Yes
Benzene	ug/L	1.23	1.2	low-level	Yes
Chloroethane	ug/L	8.20	7.72	low-level	Yes
cis-1,2-Dichloroethene	ug/L	5.87	6.06	3.2%	Yes
Toluene	ug/L	J 0.541	J 0.605	low-level	Yes
trans-1,2-Dichloroethene	ug/L	J 0.594	J 0.694	low-level	Yes
Vinyl Chloride	ug/L	J 0.865	J 0.861	low-level	Yes
m/p-Cresol	ug/L	J 6.69	J 8.05	low-level	Yes
Total Suspended Solids	mg/L	21.8	19.3	low-level	Yes
		MW-12_25_08	**FD-3_25_08**		
Arsenic	mg/L	0.117	0.12	2.5%	Yes
Barium	mg/L	0.514	0.526	2.3%	Yes
Cobalt	mg/L	0.00368	0.00368	0.0%	Yes

Table 8
Relative Percent Difference (RPD) Analysis for Field Duplicate Samples
Appendix II Constituents & TSS

RPD = $\dfrac{\text{absolute value (a - b)}}{\text{(a + b)/2}} \times 100\%$

Acceptance Criteria*: 35%

* Unless otherwise noted in project planning documents, the acceptance criteria for field duplicates RPD is as follows:
- For analytes with concentrations greater than 5x (2x for soil matrices) the reporting limit, the RPD should be within 35% for water matrices (50% for soil matrices).
- For analytes with either or both concentrations less than 5x (2x for soil matrices) the reporting limit (indicated below by "low-level"), the absolute difference between the sample and field duplicate should not exceed 5x the reporting limit.

Duplicate Result Analysis:

Parameter	Unit	Parent	Duplicate Sample	RPD	Acceptable?
		MW-12_25_08	**FD-3_25_08**		
Nickel	mg/L	0.08	0.0819	2.3%	Yes
Thallium	mg/L	0.00224	0.00223	low-level	Yes
1,1-Dichloroethane	ug/L	2.55	2.76	low-level	Yes
1,2-Dichlorobenzene	ug/L	2.69	2.77	low-level	Yes
1,4-Dichlorobenzene	ug/L	8.93	9.01	0.9%	Yes
Chlorobenzene	ug/L	3.57	3.67	low-level	Yes
cis-1,2-Dichloroethene	ug/L	3.14	3.18	low-level	Yes
Total Suspended Solids	mg/L	44.0	51.0	low-level	Yes
		AW-6_25_08	**FD-4_25_08**		
Barium	mg/L	0.144	0.143	0.7%	Yes
Cobalt	mg/L	0.0084	0.00834	0.7%	Yes
Nickel	mg/L	0.03	0.0286	1.0%	Yes
1,1-Dichloroethane	ug/L	2.13	2.09	low-level	Yes
		MW-107B_25_08	**FD-5_25_08**		
Barium	mg/L	0.275	0.264	4.1%	Yes
Cobalt	mg/L	0.00138	0.00155	low-level	Yes
Nickel	mg/L	0.00993	0.0102	low-level	Yes
Thallium	mg/L	0.00168	0.0016	low-level	Yes
Total Suspended Solids	mg/L	3.87	2.63	low-level	Yes

Table 9
Qualified Results from Data Validation

Sample ID	Lab Sample ID	Method	Parameter	Result	Lab Qualifier	Units	Qualified Result	Validator Qualifier	Explanation
MW-38_25_08	310-313508-13	USEPA 8260D	1,1,1,2-Tetrachloroethane	1.00	U	ug/L	1.00	UJ	Proper preservation was not maintained as evidenced by headspace in the VOA vials. Non-detect results were qualified UJ.
MW-38_25_08	310-313508-13	USEPA 8260D	1,1,1-Trichloroethane	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	1,1,2,2-Tetrachloroethane	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	1,1,2-Trichloroethane	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	1,1-Dichloroethane	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	1,1-Dichloroethene	2.00	U	ug/L	2.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	1,1-Dichloropropene	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	1,2,3-Trichloropropane	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	1,2,4-Trichlorobenzene	5.00	U	ug/L	5.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	1,2-Dibromo-3-chloropropane	5.00	U	ug/L	5.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	1,2-Dibromoethane	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	1,2-Dichlorobenzene	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	1,2-Dichloroethane	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	1,2-Dichloropropane	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	1,3-Dichlorobenzene	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	1,3-Dichloropropane	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	1,4-Dichlorobenzene	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	2,2-Dichloropropane	4.00	U	ug/L	4.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	2-Butanone	10.0	U	ug/L	10.0	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	2-Hexanone	10.0	U	ug/L	10.0	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	4-Methyl-2-pentanone	10.0	U	ug/L	10.0	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Acetone	10.0	U	ug/L	10.0	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Acrolein	10.0	U	ug/L	10.0	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Acrylonitrile	5.00	U	ug/L	5.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Allyl Chloride	2.00	U	ug/L	2.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Benzene	0.500	U	ug/L	0.500	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Bromochloromethane	5.00	U	ug/L	5.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Bromodichloromethane	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Bromoform	5.00	U	ug/L	5.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Bromomethane	4.00	U	ug/L	4.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Carbon Disulfide	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Carbon Tetrachloride	2.00	U	ug/L	2.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Chlorobenzene	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Chlorodibromomethane	5.00	U	ug/L	5.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Chloroethane	4.00	U	ug/L	4.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Chloroform	3.00	U	ug/L	3.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Chloromethane	3.00	U	ug/L	3.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Chloroprene	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	cis-1,2-Dichloroethene	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	cis-1,3-Dichloropropene	5.00	U	ug/L	5.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Dibromomethane	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Dichlorodifluoromethane	3.00	U	ug/L	3.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Ethyl Methacrylate	2.00	U	ug/L	2.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Ethylbenzene	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Fluorotrichloromethane	4.00	U	ug/L	4.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Iodomethane	10.0	U	ug/L	10.0	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Methacrylonitrile	10.0	U	ug/L	10.0	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Methyl Methacrylate	2.00	U	ug/L	2.00	UJ	

Table 9
Qualified Results from Data Validation

Sample ID	Lab Sample ID	Method	Parameter	Result	Lab Qualifier	Units	Qualified Result	Validator Qualifier	Explanation
MW-38_25_08	310-313508-13	USEPA 8260D	Methylene Chloride	5.00	U	ug/L	5.00	UJ	Proper preservation was not maintained as evidence by headspace in the VOA vials. Non-detect results were qualified UJ.
MW-38_25_08	310-313508-13	USEPA 8260D	m,p-Xylene	2.0	U	ug/L	2.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Naphthalene	5.00	U	ug/L	5.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	o-Xylene	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Propionitrile	10.0	U	ug/L	10.0	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Styrene	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Tetrachloroethene	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Toluene	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	trans-1,2-Dichloroethene	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	trans-1,3-Dichloropropene	5.00	U	ug/L	5.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	trans-1,4-Dichloro-2-butene	10.0	U	ug/L	10.0	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Trichloroethene	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Vinyl Acetate	10.0	U	ug/L	10.0	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Vinyl Chloride	1.00	U	ug/L	1.00	UJ	
MW-38_25_08	310-313508-13	USEPA 8260D	Xylenes, Total	3.00	U	ug/L	3.00	UJ	
MW-11_25_08	310-314023-3	USEPA 9012B	Cyanide	0.0100	U	mg/L	<0.0100	R	Sample container was stored at a temperature > 10 degrees Celcius. Qualified R since the sample result was <MDL.
AW-1_25_09	310-313508-1	USEPA 9034	Sulfide	0.231	U	mg/L	1.00	UJ	Associated MS/MSD were below the lower acceptance limit, indicating potential low bias. Qualified UJ since result is non-detect.
MW-30_25_08	310-313751-10	USEPA 8260	1,1-Dichloroethane	0.220	U	ug/L	1.00	UJ	RPD for sample and FD results exceeded the low-level RPD limit. Qualified UJ since the sample result was non-detect.
FD-2_25_08	310-313751-19	USEPA 8260	1,1-Dichloroethane	9.97		ug/L	9.97	J	RPD for sample and FD results exceeded the low-level RPD limit. Qualified J since the duplicate result was > PQL.

Notes:
This table only lists validator qualified data. Not all laboratory qualified data are listed; only the laboratory qualified data that was validator qualified are included.
> = greater than
< = less than
FD = field duplicate
MDL = minimum detection limit
mg/L - milligrams per liter
PQL = practical quantitation limit
RPD = relative percent difference
ug/L = micrograms per liter
USEPA = United States Environmental Protection Agency
VOA = volatile organic analysis

Attachment 2

References

References

Howard R. Green Company (HRG), 2006. *Landfill Permit Application, Cedar Rapids/Linn County Solid Waste Agency, Waste Management Site 1, Appendix 4: Hydrologic Monitoring System Plan (HMSP).* September.

United States Environmental Protection Agency (USEPA, 2020a). *National Functional Guidelines for Organic Superfund Methods Data Review.* EPA-540-R-20-005. Office of Superfund Remediation and Technology Innovation, Washington, D.C. Revised November 2020.

USEPA, 2020b. *National Functional Guidelines for Inorganic Superfund Methods Data Review.* EPA-542-R-20-006. Office of Superfund Remediation and Technology Innovation, Washington, D.C. Revised November 2020.

December 2025 Sampling Event

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: CRL-9 | Weather: Partly cloudy, 24°F, SSW wind 10-30 mph, 30.1" Hg
Date: 12/2/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 734.10
Top of screen (ft. MSL): 672.89 | Materials: PVC | Top of Casing elevation (ft. MSL): 736.59
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	33.16	33.16	33.12
Water elevation (ft. MSL):	703.43	703.43	703.47

3 Well Volumes (gal): 19.82 | Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	73.70	73.65	0.05

Well conditions commentary: Well conditions are inspected annually - scheduled for the Fall 2026 event.

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 668.59 | Flow Rate (mL/min): 150 | Volume removed (gal): 0.9 | Volume sampled (L): 1.00
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
CRL-9_25_12	USEPA 8270E - o-Toluidine	(2) Amber Glass 250 mL - Unpreserved	No
	USEPA 9034 - Sulfide	(1) Plastic 500 mL - $ZnC_4H_6O_4$ + NaOH	No

Field Analysis

			Final Reading
Time	13:26	13:30	13:34
Temp (°C)	9.00	9.23	9.21
Sp. Cond (umhos/cm)	4755.4	4772.3	4774.1
pH	7.11	7.12	7.12
DO (mg/l)	0.55	0.43	0.38
ORP (mV)	-146.7	-148.3	-149.0
Turbidity (NTU)	0.00	0.00	0.00

Comments: Field blank (FB-1_25_12) collected at 13:30.

Site Name:	Cedar Rapids Linn County Solid Waste Agency Site 1	Permit No.:	57-SDP-03-75C
Well/Piezometer:	MW-18	Weather:	Partly cloudy, 24°F, SSW wind 10-30 mph, 30.1" Hg
Date:	12/2/2025	Personnel:	O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in):	8.68	Casing Diameter (in):	2	Ground surface elevation (ft. MSL):	734.40
Top of screen (ft. MSL):	676.53	Materials:	PVC	Top of Casing elevation (ft. MSL):	736.28
Locked (Y/N):	Yes				

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	30.08	30.08	30.93
Water elevation (ft. MSL):	706.20	706.20	705.35

3 Well Volumes (gal): 16.95 Screen submerged? (Y/N): Yes

	Constructed	Measured	Difference
Well Depth (ft. TOC):	64.75	65.15	0.40

Well conditions commentary: Well conditions are inspected annually - scheduled for the Fall 2026 event.

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump Dedicated? (Y/N): No Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:)	676.28	Flow Rate (mL/min):	200	Volume removed (gal):	1.7
Well dry? (Y/N):	No	Odor? (Y/N):	No	Volume sampled (L):	0.12
				Color? (Y/N):	No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-18_25_12	USEPA 8081B - Methoxychlor	(3) Amber VOA Vial 40 mL - Unpreserved	No

Field Analysis

			Final Reading
Time	12:12	12:15	12:18
Temp (°C)	9.59	9.61	9.60
Sp. Cond (umhos/cm)	2172.1	2175.4	2177.2
pH	6.87	6.87	6.87
DO (mg/l)	0.17	0.17	0.15
ORP (mV)	-91.9	-91.7	-93.7
Turbidity (NTU)	0.00	0.00	0.00

Comments:

Site Name: Cedar Rapids Linn County Solid Waste Agency Site 1 | Permit No.: 57-SDP-03-75C
Well/Piezometer: MW-32 | Weather: Partly cloudy, 24°F, SSW wind 10-30 mph, 30.1" Hg
Date: 12/2/2025 | Personnel: O.A. Technical Services: Tyler Merritt & Curtis Schwartz

Monitoring Well Details

Borehole diameter (in): 8.68 | Casing Diameter (in): 2 | Ground surface elevation (ft. MSL): 746.80
Top of screen (ft. MSL): 713.62 | Materials: PVC | Top of Casing elevation (ft. MSL): 749.01
Locked (Y/N): Yes

	Static WL	Before purging	Before sampling
Water Level (ft. TOC):	46.14	46.14	46.15
Water elevation (ft. MSL):	702.87	702.87	702.86

3 Well Volumes (gal): 4.64 | Screen submerged? (Y/N): No

	Constructed	Measured	Difference
Well Depth (ft. TOC):	55.62	55.85	0.23

Well conditions commentary: Well conditions are inspected annually - scheduled for the Fall 2026 event.

Sampling Details

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

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

Equipment name/description: QED Sample Pro Bladder Pump | Dedicated? (Y/N): No | Disposable? (Y/N): No
Decontamination method: disposable tubing/bladder; Alconox/DI rinse on pump

Equipment depth (ft. MSL:) 699.01 | Flow Rate (mL/min): 200 | Volume removed (gal): 0.7 | Volume sampled (L): 0.50
Well dry? (Y/N): No | Odor? (Y/N): No | Color? (Y/N): No

Sample Name(s)	Method(s)	Container(s)	Filtered? (if yes, filter size)
MW-32_25_12	USEPA 8270E - m/p-Cresol	(2) Amber Glass 250 mL - Unpreserved	No

Field Analysis

			Final Reading
Time	14:38	14:41	14:44
Temp (°C)	10.32	10.21	10.46
Sp. Cond (umhos/cm)	3557.3	3578.0	3594.7
pH	6.89	6.89	6.89
DO (mg/l)	0.34	0.30	0.27
ORP (mV)	-91.2	-87.8	-85.8
Turbidity (NTU)	3.21	0.56	1.13

Comments:

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

ANALYTICAL REPORT

PREPARED FOR

Attn: Gina Wilming
Foth Infrastructure & Environment, LLC
411 6th Avenue SE
Suite 400
Cedar Rapids, Iowa 52401

Generated 12/17/2025 3:04:45 PM

JOB DESCRIPTION

CRLCSWA

JOB NUMBER

310-321654-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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12/17/2025 3:04:45 PM

Authorized for release by
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Job ID: 310-321654-1 Eurofins Cedar Falls

Job Narrative
310-321654-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/3/2025 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

GC/MS Semi VOA
Method 8270E: Internal standard (ISTD) response for the following sample(s) was below of acceptance limits creating a positive bias in the analytical results. (MB 310-475521/1-A) had no detections therefore the data has been reported.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-475521 and analytical batch 310-476094 recovered outside control limits for the following analytes O-Toluidine.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA

Job ID: 310-321654-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-321654-1	CRL-9_25_12	Water	12/02/25 13:35	12/03/25 16:00	Iowa
310-321654-2	MW-18_25_12	Water	12/02/25 12:20	12/03/25 16:00	Iowa
310-321654-3	MW-32_25_12	Water	12/02/25 14:45	12/03/25 16:00	Iowa
310-321654-4	FB-1_25_12	Water	12/02/25 13:30	12/03/25 16:00	Iowa

Detection Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-321654-1
Project/Site: CRLCSWA

Client Sample ID: CRL-9_25_12 — Lab Sample ID: 310-321654-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	0.656	J	1.00	0.231	mg/L	1		9034	Total/NA

Client Sample ID: MW-18_25_12 — Lab Sample ID: 310-321654-2

No Detections.

Client Sample ID: MW-32_25_12 — Lab Sample ID: 310-321654-3

No Detections.

Client Sample ID: FB-1_25_12 — Lab Sample ID: 310-321654-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-321654-1
Project/Site: CRLCSWA

Client Sample ID: CRL-9_25_12
Lab Sample ID: 310-321654-1
Date Collected: 12/02/25 13:35
Matrix: Water
Date Received: 12/03/25 16:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Toluidine	<2.90		10.0	2.90	ug/L		12/04/25 10:27	12/11/25 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*60*		*21 - 110*	*12/04/25 10:27*	*12/11/25 02:49*	*1*
Phenol-d5 (Surr)	*47*		*21 - 110*	*12/04/25 10:27*	*12/11/25 02:49*	*1*
Nitrobenzene-d5 (Surr)	*77*		*39 - 140*	*12/04/25 10:27*	*12/11/25 02:49*	*1*
2-Fluorobiphenyl (Surr)	*80*		*33 - 126*	*12/04/25 10:27*	*12/11/25 02:49*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*20 - 144*	*12/04/25 10:27*	*12/11/25 02:49*	*1*
Terphenyl-d14 (Surr)	*76*		*13 - 150*	*12/04/25 10:27*	*12/11/25 02:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SW846 9034)	**0.656**	**J**	1.00	0.231	mg/L		12/07/25 18:16	12/08/25 03:16	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-321654-1
Project/Site: CRLCSWA

Client Sample ID: MW-18_25_12
Lab Sample ID: 310-321654-2
Date Collected: 12/02/25 12:20
Matrix: Water
Date Received: 12/03/25 16:00

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	<0.0295		0.0921	0.0295	ug/L		12/09/25 12:38	12/16/25 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*10 - 150*	*12/09/25 12:38*	*12/16/25 15:29*	*1*
Tetrachloro-m-xylene	*75*		*17 - 150*	*12/09/25 12:38*	*12/16/25 15:29*	*1*

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-321654-1
Project/Site: CRLCSWA

Client Sample ID: MW-32_25_12
Lab Sample ID: 310-321654-3
Date Collected: 12/02/25 14:45
Matrix: Water
Date Received: 12/03/25 16:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m & p-Cresol	<0.729		10.4	0.729	ug/L		12/04/25 10:27	12/11/25 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*62*		*21 - 110*	*12/04/25 10:27*	*12/11/25 04:48*	*1*
Phenol-d5 (Surr)	*48*		*21 - 110*	*12/04/25 10:27*	*12/11/25 04:48*	*1*
2,4,6-Tribromophenol (Surr)	*90*		*20 - 144*	*12/04/25 10:27*	*12/11/25 04:48*	*1*

Client Sample ID: FB-1_25_12
Lab Sample ID: 310-321654-4
Date Collected: 12/02/25 13:30
Matrix: Water
Date Received: 12/03/25 16:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m & p-Cresol	<0.660		9.43	0.660	ug/L		12/04/25 10:27	12/11/25 03:19	1
o-Toluidine	<2.74		9.43	2.74	ug/L		12/04/25 10:27	12/11/25 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*66*		*21 - 110*	*12/04/25 10:27*	*12/11/25 03:19*	*1*
Phenol-d5 (Surr)	*51*		*21 - 110*	*12/04/25 10:27*	*12/11/25 03:19*	*1*
2,4,6-Tribromophenol (Surr)	*89*		*20 - 144*	*12/04/25 10:27*	*12/11/25 03:19*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	<0.0292		0.0911	0.0292	ug/L		12/09/25 12:38	12/16/25 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*52*		*10 - 150*	*12/09/25 12:38*	*12/16/25 15:43*	*1*
Tetrachloro-m-xylene	*86*		*17 - 150*	*12/09/25 12:38*	*12/16/25 15:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SW846 9034)	<0.231		1.00	0.231	mg/L		12/07/25 18:20	12/08/25 03:27	1

Definitions/Glossary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-321654-1
Project/Site: CRLCSWA

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA

Job ID: 310-321654-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		2FP	PHL	NBZ	FBP	TBP	TPHL		
Lab Sample ID	Client Sample ID	(21-110)	(21-110)	(39-140)	(33-126)	(20-144)	(13-150)		
310-321654-1	CRL-9_25_12	60	47	77	80	80	76		
310-321654-3	MW-32_25_12	62	48			90			
310-321654-4	FB-1_25_12	66	51			89			
LCS 310-475521/2-A	Lab Control Sample	70	56	86	89	93	97		
LCSD 310-475521/3-A	Lab Control Sample Dup	68	55	84	86	90	98		
MB 310-475521/1-A	Method Blank	82	67	102	97	90	124 *3		

Surrogate Legend

2FP = 2-Fluorophenol (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		DCB2	TCX2						
Lab Sample ID	Client Sample ID	(10-150)	(17-150)						
310-321654-2	MW-18_25_12	72	75						
310-321654-4	FB-1_25_12	52	86						

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 310-475521/1-A
Matrix: Water
Analysis Batch: 476094

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 475521

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m & p-Cresol	<0.700		10.0	0.700	ug/L		12/04/25 10:27	12/10/25 23:49	1
o-Toluidine	NC		10.0	2.90	ug/L		12/04/25 10:27	12/10/25 23:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*82*		*21 - 110*	*12/04/25 10:27*	*12/10/25 23:49*	*1*
Nitrobenzene-d5 (Surr)	*102*		*39 - 140*	*12/04/25 10:27*	*12/10/25 23:49*	*1*
Phenol-d5 (Surr)	*67*		*21 - 110*	*12/04/25 10:27*	*12/10/25 23:49*	*1*
2-Fluorobiphenyl (Surr)	*97*		*33 - 126*	*12/04/25 10:27*	*12/10/25 23:49*	*1*
2,4,6-Tribromophenol (Surr)	*90*		*20 - 144*	*12/04/25 10:27*	*12/10/25 23:49*	*1*
Terphenyl-d14 (Surr)	*124*	**3*	*13 - 150*	*12/04/25 10:27*	*12/10/25 23:49*	*1*

Lab Sample ID: MB 310-475521/1-A
Matrix: Water
Analysis Batch: 476147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 475521

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Toluidine	<2.90		10.0	2.90	ug/L		12/04/25 10:27	12/11/25 12:42	1

Lab Sample ID: LCS 310-475521/2-A
Matrix: Water
Analysis Batch: 476094

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 475521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m & p-Cresol	100	78.47		ug/L		78	45 - 114

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*70*		*21 - 110*
Nitrobenzene-d5 (Surr)	*86*		*39 - 140*
Phenol-d5 (Surr)	*56*		*21 - 110*
2-Fluorobiphenyl (Surr)	*89*		*33 - 126*
2,4,6-Tribromophenol (Surr)	*93*		*20 - 144*
Terphenyl-d14 (Surr)	*97*		*13 - 150*

Lab Sample ID: LCS 310-475521/2-A
Matrix: Water
Analysis Batch: 476147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 475521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Toluidine	51.2	42.38		ug/L		83	19 - 128

Lab Sample ID: LCSD 310-475521/3-A
Matrix: Water
Analysis Batch: 476094

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 475521

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m & p-Cresol	100	77.13		ug/L		77	45 - 114	2	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-475521/3-A
Matrix: Water
Analysis Batch: 476094

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 475521

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*68*		*21 - 110*
Nitrobenzene-d5 (Surr)	*84*		*39 - 140*
Phenol-d5 (Surr)	*55*		*21 - 110*
2-Fluorobiphenyl (Surr)	*86*		*33 - 126*
2,4,6-Tribromophenol (Surr)	*90*		*20 - 144*
Terphenyl-d14 (Surr)	*98*		*13 - 150*

Lab Sample ID: LCSD 310-475521/3-A
Matrix: Water
Analysis Batch: 476147

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 475521

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
o-Toluidine			51.2	30.81		ug/L		60	19 - 128	32	35

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-846099/1-A
Matrix: Water
Analysis Batch: 846107

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 846099

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.231		1.00	0.231	mg/L		12/07/25 18:00	12/08/25 02:25	1

Lab Sample ID: LCS 500-846099/2-A
Matrix: Water
Analysis Batch: 846107

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 846099

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			4.04	3.808		mg/L		94	80 - 120		

Lab Sample ID: 310-321654-4 MS
Matrix: Water
Analysis Batch: 846107

Client Sample ID: FB-1_25_12
Prep Type: Total/NA
Prep Batch: 846099

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<0.231		10.1	9.480		mg/L		94	75 - 125		

Lab Sample ID: 310-321654-4 MSD
Matrix: Water
Analysis Batch: 846107

Client Sample ID: FB-1_25_12
Prep Type: Total/NA
Prep Batch: 846099

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.231		10.1	9.160		mg/L		91	75 - 125	3	20

GC/MS Semi VOA

Prep Batch: 475521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321654-1	CRL-9_25_12	Total/NA	Water	3510C	
310-321654-3	MW-32_25_12	Total/NA	Water	3510C	
310-321654-4	FB-1_25_12	Total/NA	Water	3510C	
MB 310-475521/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-475521/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-475521/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 476094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321654-1	CRL-9_25_12	Total/NA	Water	8270E	475521
310-321654-3	MW-32_25_12	Total/NA	Water	8270E	475521
310-321654-4	FB-1_25_12	Total/NA	Water	8270E	475521
MB 310-475521/1-A	Method Blank	Total/NA	Water	8270E	475521
LCS 310-475521/2-A	Lab Control Sample	Total/NA	Water	8270E	475521
LCSD 310-475521/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	475521

Analysis Batch: 476147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321654-1	CRL-9_25_12	Total/NA	Water	8270E	475521
310-321654-4	FB-1_25_12	Total/NA	Water	8270E	475521
MB 310-475521/1-A	Method Blank	Total/NA	Water	8270E	475521
LCS 310-475521/2-A	Lab Control Sample	Total/NA	Water	8270E	475521
LCSD 310-475521/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	475521

GC Semi VOA

Prep Batch: 475929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321654-2	MW-18_25_12	Total/NA	Water	3511	
310-321654-4	FB-1_25_12	Total/NA	Water	3511	

Analysis Batch: 476554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321654-2	MW-18_25_12	Total/NA	Water	8081B	475929
310-321654-4	FB-1_25_12	Total/NA	Water	8081B	475929

General Chemistry

Prep Batch: 846099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321654-1	CRL-9_25_12	Total/NA	Water	9030B	
310-321654-4	FB-1_25_12	Total/NA	Water	9030B	
MB 500-846099/1-A	Method Blank	Total/NA	Water	9030B	
LCS 500-846099/2-A	Lab Control Sample	Total/NA	Water	9030B	
310-321654-4 MS	FB-1_25_12	Total/NA	Water	9030B	
310-321654-4 MSD	FB-1_25_12	Total/NA	Water	9030B	

Analysis Batch: 846107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-321654-1	CRL-9_25_12	Total/NA	Water	9034	846099
310-321654-4	FB-1_25_12	Total/NA	Water	9034	846099
MB 500-846099/1-A	Method Blank	Total/NA	Water	9034	846099

General Chemistry (Continued)

Analysis Batch: 846107 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-846099/2-A	Lab Control Sample	Total/NA	Water	9034	846099
310-321654-4 MS	FB-1_25_12	Total/NA	Water	9034	846099
310-321654-4 MSD	FB-1_25_12	Total/NA	Water	9034	846099

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-321654-1
Project/Site: CRLCSWA

Client Sample ID: CRL-9_25_12
Lab Sample ID: 310-321654-1
Date Collected: 12/02/25 13:35
Matrix: Water
Date Received: 12/03/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			475521	J5BR	EET CF	12/04/25 10:27
Total/NA	Analysis	8270E		1	476147	D2YP	EET CF	12/11/25 13:59
Total/NA	Prep	3510C			475521	J5BR	EET CF	12/04/25 10:27
Total/NA	Analysis	8270E		1	476094	D2YP	EET CF	12/11/25 02:49
Total/NA	Prep	9030B			846099	CLB	EET CHI	12/07/25 18:16 - 12/07/25 18:20 [1]
Total/NA	Analysis	9034		1	846107	CLB	EET CHI	12/08/25 03:16 - 12/08/25 03:27 [1]

Client Sample ID: MW-18_25_12
Lab Sample ID: 310-321654-2
Date Collected: 12/02/25 12:20
Matrix: Water
Date Received: 12/03/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3511			475929	BW2O	EET CF	12/09/25 12:38
Total/NA	Analysis	8081B		1	476554	BW2O	EET CF	12/16/25 15:29

Client Sample ID: MW-32_25_12
Lab Sample ID: 310-321654-3
Date Collected: 12/02/25 14:45
Matrix: Water
Date Received: 12/03/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			475521	J5BR	EET CF	12/04/25 10:27
Total/NA	Analysis	8270E		1	476094	D2YP	EET CF	12/11/25 04:48

Client Sample ID: FB-1_25_12
Lab Sample ID: 310-321654-4
Date Collected: 12/02/25 13:30
Matrix: Water
Date Received: 12/03/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			475521	J5BR	EET CF	12/04/25 10:27
Total/NA	Analysis	8270E		1	476147	D2YP	EET CF	12/11/25 14:26
Total/NA	Prep	3510C			475521	J5BR	EET CF	12/04/25 10:27
Total/NA	Analysis	8270E		1	476094	D2YP	EET CF	12/11/25 03:19
Total/NA	Prep	3511			475929	BW2O	EET CF	12/09/25 12:38
Total/NA	Analysis	8081B		1	476554	BW2O	EET CF	12/16/25 15:43
Total/NA	Prep	9030B			846099	CLB	EET CHI	12/07/25 18:20 - 12/07/25 18:23 [1]
Total/NA	Analysis	9034		1	846107	CLB	EET CHI	12/08/25 03:27 - 12/08/25 03:37 [1]

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Accreditation/Certification Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-321654-1
Project/Site: CRLCSWA

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25 *

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-321654-1
Project/Site: CRLCSWA

Method	Method Description	Protocol	Laboratory
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

eurofins | Environment Testing America

310-321654 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth

City/State: CITY | STATE | Project

Receipt Information

Date/Time Received: DATE 12/3/25 | TIME 1600 | Received By: J

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No — *If yes:* Cooler ID

Multiple Coolers? ☐ Yes ☑ No — *If yes:* Cooler # _____ of _____

Cooler Custody Seals Present? ☐ Yes ☐ No — *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☐ No — *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☐ No — *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: IR3 | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.3 | Corrected Temp (°C): 1.3

• **Sample Container Temperature**

Container(s) used:	CONTAINER 1	CONTAINER 2
Uncorrected Temp (°C)		
Corrected Temp (°C)		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Foth

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 1 of 1 **COC Number:** 1-3865545471-111425-249830

Company: Foth Infrastructure & Environment, LLC	Report To: Gina Wilming/Hannah Dubbs (Foth)	Requested Due Date:	Quote Reference:
Address: 411 6th Avenue SE, Suite 400	Copy To:	*TAT: Standard	Project Manager: Gina Wilming
Cedar Rapids, IA 52401	Invoice To: Karmin McShane (CRLCSWA)		Project #: 25C051 00
Phone: (319) 365-9565	P O		Profile #:
Email Addresses: gina.wilming@foth.com	Project Name: CRLCSWA Site 1	Regulatory Agency: Iowa DNR	Sampling Team Members: Tyler Morrett / Randy Gavin
hannah.dubbs@foth.com	Task #: 25C051_25_08	State Location: Iowa	

ITEM NUMBER	SAMPLE ID	Sample Location	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives: Total # Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Requested Analysis: m/p-Cresol	o-Toluidine	Methoxychlor	Sulfide	Filtered (Y/N)	REMARKS / Lab ID
															N	N	N	N		
1	CRL-9_25_12	CRL-9	WG	G	12/2/25	13:35		2				1				X		X		
2	MW-18_25_12	MW-18	WG	G	12/2/25	12:20		3									X			
3	MW-32_25_12	MW-32	WG	G	12/2/25	14:45		2							X					
4	FB-1_25_08	FB-1	WQ	G	12/2/25	13:30		5				1			X	X	X	X		
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
					O.A. Tech	12/3/25	10:00			
									12/3/25	1600

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Valid Matrix Codes	
Matrix	Code
Soil	SO
Sediment	SE
Surface Water	WS
Wastewater	WW
Groundwater	WG
Ambient Air	AA
Other	X

Additional Comments:

Page 21 of 24

12/17/2025

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-89656 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et.eurofinsus com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State Program - Iowa		Job #: 310-321654-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 12/16/2025			
City: Tinley Park	TAT Requested (days): N/A			
State, Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CRLCSWA	Project #: 31009776			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

310-321654 COC

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc/9030BSulfide, Acid soluble and Insoluble (Tit	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
CRL-9_25_12 (310-321654-1)	12/2/25	13 35 Central	G	Water			X	1	
FB-1_25_12 (310-321654-4)	12/2/25	13 30 Central	G	Water			X	1	

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing North Central, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central LLC

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	12/8/25 15:35		Stephanie Hermond	12/6/25 0945	EEHA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks. -1.0+1.0

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-321654-1

Login Number: 321654

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Calhoun, Conner M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-321654-1

Login Number: 321654
List Number: 2
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago
List Creation: 12/06/25 12:05 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-1.0 Samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Data Validation Report

Project Name:	CRLCSWA Site 1 – Cedar Rapids, IA (25C051.00)
Task Name:	25C051_25_12
Data Set Description:	Winter 2025 Resample Event
Laboratory(s):	Eurofins – Cedar Falls, IA and Chicago, IL
Laboratory Sample Delivery Group (SDG) ID(s):	310-321654-1
Sample Collection Dates:	12/02/2025
Sample Analysis Dates:	12/8/2025 – 12/16/2025
Sample Matrices:	Groundwater
Sample IDs Reviewed:	See Table 1
Verification and Validation Stage, 100% data:	☐ 1 ☒ 2A Modified ☐ 2A ☐ 2B ☐ 3 ☐ 4
Verified and Validated By:	Hannah Dubbs, Project Environmental Data Scientist 1/9/2025

The analytical data were validated to verify that laboratory quality assurance and quality control (QA/QC) procedures were documented and to evaluate the overall quality of the data reported. Starting with the December 2025 resample event, data validation protocols reverted to Stage 2A Modified protocols. Under Stage 2A Modified protocols, matrix spike/matrix spike duplicate, laboratory control sample/laboratory control sample duplicate, and laboratory duplicate results are not evaluated.

Analytical reports include 3 investigative groundwater samples collected via low-flow or no-purge sampling techniques at the Cedar Rapids Linn County Solid Waste Agency (CRLCSWA) Site 1 on December 2, 2025; samples are listed in Table 1. The data were collected in accordance with the *Hydrologic Monitoring System Plan* (HRG, 2006), Iowa Department of Natural Resources (IDNR) Sanitary Disposal Closure Permit Number 57-SDP-03-75C (including Amendments), and 567 Iowa Administrative Code (IAC) 113.10.

Validation Summary

Stage 2A Modified data validation was performed on 100% of the data from this SDG, with review tasks and items of note documented in the summary table below.

Validation Task and Description	Review Notes	Action
Chain of Custody (COC) and Sample Receipt Form Confirm relinquish & receipt signatures. Confirm parameters and analytical methods match COC and Hydrologic Monitoring System Plan (HMSP).	All appropriate relinquish and receipt signatures were present. Parameters and analytical methods analyzed match the COC and current sampling program with the exception below.	Not applicable

Validation Task and Description	Review Notes	Action
Case Narrative Review for items noted by the laboratory that may impact the validation process.	The quality control issues noted in the case narratives were reviewed and found acceptable. Issues were either addressed in the comments below, had no impact on the investigative samples, or were corrected/qualified by the laboratory. No additional actions are required. Note: continuing calibration verification (CCV) and internal standard evaluation, matrix spike/matrix spike duplicate (MS/MSD), laboratory control sample/laboratory control sample duplicate (LCS/LCSD), and laboratory duplicate evaluations are not part of Stage 2A Modified validation.	Not applicable
Sample Condition Upon Receipt (SCUR) Confirm samples in acceptable condition and no discrepancies noted. Confirm preservation meets method requirements.	Samples were received by Eurofins – Cedar Falls, IA in acceptable conditions. In addition, the sulfide sample shipment from Eurofins – Cedar Falls, IA to Eurofins – Chicago, IL was received in acceptable conditions.	Not applicable
Methods Requested Confirm methods match project requirements and lab provided all methods ordered.	The methods ordered and analyzed were performed in accordance with the project requirements. Methods include United States Environmental Protection Agency (USEPA) 8270E Semivolatile Organic Compounds (SVOCs), USEPA 8081B Pesticides, and USEPA 9034 Sulfide.	Not applicable
Analytes Requested Confirm analytes ordered match project requirements and lab provided all analytes ordered.	The analytes requested were analyzed in accordance with the project requirements. The laboratory provided all analytes ordered.	Not applicable
Holding Times Confirm laboratory performed extractions and analyses within method-required holding times.	Eurofins performed analysis within the method-required holding times.	Not applicable
Blanks Confirm no detections in laboratory method blanks, field blanks, and trip blanks.	Table 3 is intended to present analytes detected in the method, field, and trip blanks. Trip blanks were not collected with this sample delivery group (SDG) since volatile organic compounds were not included in the analyses. No detections were found in the method and field blanks.	Not applicable
Surrogates or Deuterated Monitoring Compounds For *organic analyses only*, confirm surrogates analyzed and surrogate recovery within quality control (QC) limits.	Table 4 is intended to present the surrogate recoveries that were outside the control limits. Surrogates were within control limits for this SDG.	Not applicable

Validation Task and Description	Review Notes	Action
Field Duplicates Confirm field duplicates collected at required frequency and field duplicate RPD within acceptable limits.	Table 8 is intended to present the precision evaluation of the parent/field duplicate samples. No field duplicates were submitted for analysis. The event was limited to resampling for a few analyte/well pairs. Project requirements do not require a field duplicate for resampling events.	Not applicable

Abbreviations:
CCV = continuing calibration verification
COC = chain of custody
HMSP = Hydrologic Monitoring System Plan
ISTD = internal standard
LCS = laboratory control sample
LCSD = laboratory control sample duplicate
MS = matrix spike
MSD = matrix spike duplicate
QA = quality assurance
QC = quality control
RPD = relative percent difference
SCUR = sample condition upon receipt
SDG = sample delivery group
SVOC = semivolatile organic compound
USEPA = United States Environmental Protection Agency

Overall Assessment of Data

Item	Acceptable		Comments
	Yes	No	
1. Method Criteria	X		Samples were collected, preserved, shipped/delivered, and analyzed within the method protocols.
2. Precision	X		Field precision was not evaluated during this sampling event.
3. Accuracy	X		Accuracy was evaluated through surrogate recovery. As listed in Table 4, surrogate recoveries were within the control limits.
4. Representativeness	X		Sampling was conducted in accordance with the sample collection procedures described in the approved HMSP, approved HMSP revisions, and SOPs.
5. Comparability	X		Collection techniques, measurement procedures, methods, and reporting were equivalent to currently approved procedures and are comparable to historical data.
6. Completeness	X		Valid analytical results exceeded 90%.
7. Suitability for Intended Use	X		No evidence of gross contamination or significant issues with the method criteria, precision, accuracy, representativeness, comparability, or completeness were identified.

Overall, the data reported are of good quality and the results for the applicable quality assurance/quality control (QA/QC) measurements that were used by the laboratories during the analysis of the samples were generally acceptable. Table 2 provides a definition of the qualifiers that may be assigned by the validator and/or retained from the laboratory. No sample results were qualified during data validation because method-specific QA/QC criteria were met. 100% of the data is usable for project data quality objectives.

Attachment 1

Tables

Attachment 2

References

References

Howard R. Green Company (HRG), 2006. *Landfill Permit Application, Cedar Rapids/Linn County Solid Waste Agency, Waste Management Site 1, Appendix 4: Hydrologic Monitoring*

United States Environmental Protection Agency (USEPA), 2020a. *National Functional Guidelines for Inorganic Superfund Methods Data Review.* EPA-542-R-20-006. Office of Superfund Remediation and Technology Innovation, Washington, D.C. Revised November 2020.

USEPA, 2020b. *National Functional Guidelines for Organic Superfund Methods Data Review.* EPA-540-R-20-005. Office of Superfund Remediation and Technology Innovation, Washington, D.C. Revised November 2020.

Table 1
Sample IDs Reviewed

Project Sample ID	Analyzed Lab Sample ID	Project Sample ID Matches Lab Client Sample ID	Lab Sample Date/Time Match COC/Logbook	Parameters and Analytical Methods Match COC	Within Hold Times	Sample Type
CRL-9_25_12	310-321654-1	Yes	Yes	Yes	Yes	Normal
MW-18_25_12	310-321654-2	Yes	Yes	Yes	Yes	Normal
MW-32_25_12	310-321654-3	Yes	Yes	Yes	Yes	Normal
FB-1_25_12	310-321654-4	Yes	Yes	Yes	Yes	FB

Notes:
FB = field blank

Table 2
Explanation of Qualifiers

Qualifier	Explanation
U	The analyte was analyzed for and was not detected above the numerical quantitation limit.
J	The analyte was analyzed for and was positively identified, but the analytical result (i.e., quantitation) is an estimated value. In some cases it is recognized that the estimated value is biased high (J+) suggesting the actual value is lower than estimated; or biased low (J-) suggesting the actual value is higher than estimated.
UJ	The analyte was analyzed for and was not detected above the reporting limit, but the reporting limit is an estimated value.
R	The analyte was analyzed for but may or may not be present and/or quantifiable due to quality control issues. The analytical result is not usable and should be rejected.
N	The analysis indicates presumptive evidence of the presence of the analyte.
NJ	The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.

Notes:
Results qualified as “J” or “UJ” are of acceptable data quality and may be used quantitatively per United States Environmental Protection Agency guidelines.

Table 3
Method, Field, and Trip Blank Exceedances

Lab Report	Blank Type	Lab Sample ID	Analysis Batch	Prep Batch	Parameter	Result	Units	Lab Qualifier	MDL	PQL	Associated Samples
No detections were found in the method and field blanks.											

Notes:
MDL = minimum detection limit
PQL = practical quantitation limit

Table 4
Surrogate Recovery Exceedances

Lab Sample ID	Parent Sample	Parameter	Recovery	% Recovery Limits
Surrogates were within control limits for this SDG.				

Notes:
SDG = sample delivery group

Table 5
Relative Percent Difference (RPD) Analysis for Field Duplicate Samples
Appendix I Constituents & TSS

RPD = $\dfrac{\text{absolute value (a - b)}}{\text{(a + b)/2}} \times 100\%$

Acceptance Criteria*: 35%

* Unless otherwise noted in project planning documents, the acceptance criteria for field duplicates RPD is as follows:
- For analytes with concentrations greater than 5x (2x for soil matrices) the reporting limit, the RPD should be within 35% for water matrices (50% for soil matrices).
- For analytes with either or both concentrations less than 5x (2x for soil matrices) the reporting limit (indicated below by "low-level"), the absolute difference between the sample and field duplicate should not exceed 5x the reporting limit.

Duplicate Result Analysis:

Parameter	Unit	Parent	Duplicate Sample	RPD	Acceptable?
No field duplicate samples were collected.					

Notes:
RPD = relative percent difference

Table 6
Qualified Results from Data Validation

Sample ID	Lab Sample ID	Method	Parameter	Result	Lab Qualifier	Units	Qualified Result	Validator Qualifier	Explanation
No qualifiers were assigned during this evaluation.									

Notes:
This table only lists validator qualified data. Not all laboratory qualified data are listed; only the laboratory qualified data that was validator qualified are include

Updated Data Validation Standard Operating Procedure

Foth Infrastructure & Environment, LLC

Standard Operating Procedure

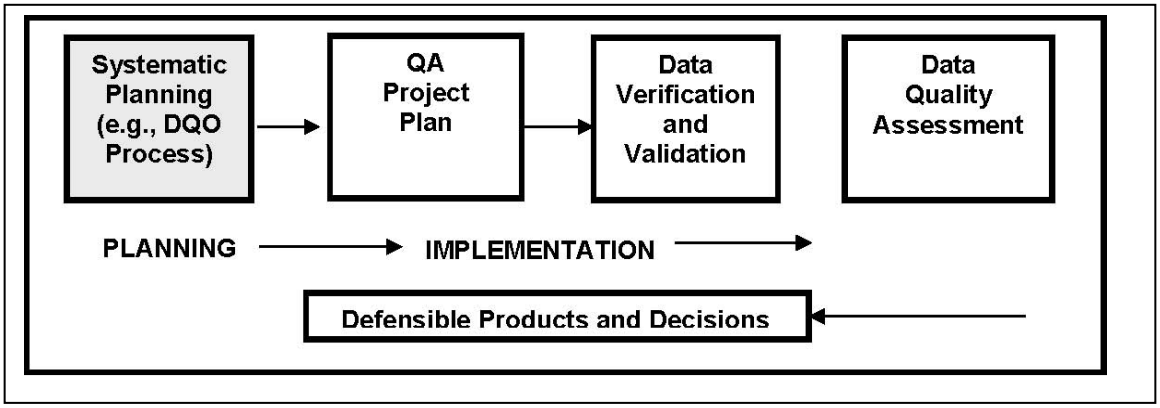
Data Verification, Validation, and Qualification

Introduction

The purpose of this Standard Operating Procedure (SOP) is to establish a procedure for the verification, validation, and qualification of laboratory analytical data. This SOP establishes guidelines for:

1. Reviewing project data quality objectives (DQOs) for environmental projects.
2. Selecting the appropriate stage (e.g., Stage 1, 2A, 2B, 3, 4) of analytical laboratory data verification and validation.
3. Selecting the appropriate level (e.g., Level I, II, III, IV) of analytical laboratory data deliverables for the intended stage of data verification and validation.
4. Performing data qualification.
5. Reporting results and data quality assessment.

This SOP assumes that the DQO process is complete. This SOP can be used during the development of a Quality Assurance Project Plan (QAPP) for specifying data quality procedures, or before, during, and after environmental sampling programs to aid in selection and execution of data quality procedures.



Definitions

Data Review – The process of examining and/or evaluating data to varying levels of detail and specificity. Data review includes verification, validation, and usability assessment.

Verification – Completeness check to confirm that the specified analytical requirements have been met. For this guidance, *data verification* consists of a completeness check to confirm that all data requested from the laboratory have been received and comply with specified requirements.

Validation – Confirmation that the accuracy and quality data requirements are fulfilled for a specific intended use. For this guidance, *data validation* consists of analyte and sample specific process for evaluating compliance of the laboratory data received with methods, procedures, or contract requirements.

References

Data Quality Objectives

United States Environmental Protection Agency (USEPA), 2000. *Guidance for Data Quality Assessment, Practical Methods for Data Analysis*. EPA QA/G-9. Office of Environmental Information, Washington, D.C. July. https://www.epa.gov/sites/production/files/2015-06/documents/g9-final.pdf.

USEPA, 2006. *Guidance on Systemic Planning Using the Data Quality Objectives Process*. EPA QA/G-4. Office of Environmental Information, Washington, D.C. February. https://www.epa.gov/quality/guidance-systematic-planning-using-data-quality-objectives-process-epa-qag-4

USEPA, 2006. *Data Quality Assessment: A Reviewer's Guide*. EPA QA/G-9R. Office of Environmental Information, Washington, D.C. February. https://www.epa.gov/sites/production/files/2015-08/documents/g9r-final.pdf.

USEPA, 2006. *Data Quality Assessment: Statistical Methods for Practitioners*. EPA QA/G-9S. Office of Environmental Information, Washington, D.C. February. https://www.epa.gov/sites/production/files/2015-08/documents/g9s-final.pdf.

Data Verification and Validation

The USEPA Superfund Analytical Services Contract Laboratory Program (USEPA CLP) website includes the most current guidance for analytical laboratory data verification and validation: https://www.epa.gov/clp. Historical guidance for laboratory analytical data verification and validation includes the following documents:

USEPA, 1987. *A Compendium of Superfund Field Operations Methods.* EPA/540/P-87/001. Office of Solid Waste and Emergency Response, Washington, D.C. December.

USEPA, 2002. *Guidance on Environmental Data Verification and Data Validation.* EPA QA/G-8. Office of Environmental Information, Washington, D.C. November. https://www.epa.gov/quality/guidance-environmental-data-verification-and-data-validation.

USEPA, 2009. *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use.* EPA 540-R-08-005. Office of Solid Waste and Emergency Response, Washington, D.C. January 13.

Data Qualification

The USEPA CLP website includes the most current National Functional Guidelines for analytical laboratory data review and qualification data: https://www.epa.gov/clp/superfund-clp-national-functional-guidelines-data-review, and includes the following documents (as of January 2022):

USEPA, 2020. *National Functional Guidelines for Superfund Organic Methods Data Review*. EPA 540-R-20-005. Office of Superfund Remediation and Technology Innovation, Washington D.C. November.

USEPA, 2020. *National Functional Guidelines for Inorganic Superfund Methods Data Review*. EPA 542-R-20-006. Office of Superfund Remediation and Technology Innovation, Washington D.C. November.

USEPA, 2020. *National Functional Guidelines for High Resolution Superfund Methods Data Review*. EPA 542-R-20-007. Office of Superfund Remediation and Technology Innovation, Washington D.C. November.

Personnel Qualifications

None, according to USEPA guidance documents.

Equipment and Supplies

Materials referenced in this SOP include:

- Project planning documents, such as a QAPP, Sampling and Analysis Plan (SAP), Hydrologic Monitoring System Plan (HMSP) or project Work Plan that state project DQOs, including performance and acceptance/usability criteria. This SOP assumes that DQOs for the project have already been established.
- Laboratory hard copy analytical data deliverables.
- Laboratory electronic analytical data deliverables (EDDs).

Procedures

Review Objectives and Determine Stage of Review

1. Review the Project DQOs to ensure understanding of data type, location, quantity, and quality needed to make defensible decisions. The performance and acceptance criteria are established in the project DQOs.

2. Select data verification and validation stage, as established in the project planning document.

    a. Stage 1 – A verification and validation based only on completeness and compliance of sample receipt condition checks. Checks include a comparison of reported results against DQOs (e.g., sample locations, field quality control (QC) samples, analytical methods, analyte counts, units, reporting limits, etc.), method preservation requirements (e.g., temperature, pH, headspace, etc.), assessment of non-QC laboratory qualifiers (e.g., primary sample holding time, primary sample dilution, etc.), and assessment of transcription or reporting errors.

    b. Stage 2A – A verification and validation based on completeness and compliance checks of sample receipt conditions and **ONLY** sample-related QC results. Checks include a review of instrument performance related results such as field QC samples (e.g., TB, FB, EB, FD, etc.) and analytical method QC samples (e.g., MB, LCS/LCSD, MS/MSD, surrogates, etc.). Stage 2A Modified excludes review of laboratory QC results (e.g., LCS/LCSD, MS/MSD, and laboratory duplicates).

    c. Stage 2B – A verification and validation based on completeness and compliance checks of sample receipt conditions and **BOTH** sample-related and instrument-related QC results. Checks include a review of instrument tuning related results such as the number, concentration, and frequency of calibration standards (e.g., initial calibration standards, ICV, ICB, CCV, CCB, etc.), as well the curves, percent recovery/difference, equations, calculations, weighting factors, and/or correlation coefficients as appropriate.

    d. Stage 3 – A verification and validation based on completeness and compliance checks of sample receipt conditions, **BOTH** sample-related and instrument-related QC results, **AND** recalculation checks (to check for computational errors). Stage 3 Validation requires the use of the laboratory reported instrument response data to recalculate calibration windows, analyte retention time, analyte concentration, and instrument performance QC sample recovery (e.g., percent recovery [%R], relative percent difference [RPD], etc.). The results of these recalculations are compared to the results of the laboratory calculations for accuracy.

e. Stage 4 – A verification and validation based on completeness and compliance checks of sample receipt conditions, both sample-related and instrument-related QC results, recalculation checks, **AND** review of the laboratory raw instrument output to check for parameterization errors. Stage 4 Validation requires the use of the laboratory raw instrument output to determine analyte identification and analyte quantitation from analyte-specific characteristics (e.g., column retention time, fluorescence, etc.) expressed as a signal in the raw instrument output. The results of this determination are compared to the laboratory determination for accuracy.

3. Select the level of laboratory analytical data deliverables. The laboratory can provide data at different levels, with each level including increasing amounts of information and detail.

   a. Level I – Cover sheet, case narrative, analytical results, sample receiving log, and Chain of Custody (COC). This report is suitable for meeting Stage 1 data verification and validation.

   b. Level II – Level I plus quality control summaries, QC qualifier legend sample summary, lab certification reports, sample analyte count, QC cross-reference table, transfer log. This report is suitable for meeting Stages 1 and 2A data verification and validation.

   c. Level III – Level II plus calibration data, tuning, and check data. This report is suitable for meeting Stages 1, 2A, and 2B data verification and validation.

   d. Level IV – Level III plus instrument run logs, raw data. This report is suitable for meeting Stages 1, 2A, 2B, 3, and 4 data verification and validation.

Perform Data Verification, Validation, and Qualification

Perform Stage 2A Modified data verification, validation, and qualification following procedures described in current USEPA CLP National Functional Guidelines and outlined below. Additional guidance regarding analyte, method, and/or instrument specific qualification may be found on the USEPA CLP website.

1. Confirm that all investigative and field QC samples planned were collected and received by the laboratory by looking at the field notes, COC, and project planning documents.

2. Verify that sample names and times were documented correctly on the COC, that sample names align with project planning documents, and confirm relinquish & receipt signatures.

3. Review the laboratory report case narrative for items noted by the laboratory that may impact the validation process.

4. Confirm sample receipt at laboratory in acceptable condition and confirm preservation meets method requirements. Any samples analyzed out of preservation requirements should be reviewed for potential bias.

5. Confirm that analytes and methods match the project planning documents and that the laboratory provided all analytes and methods ordered.

6. Confirm laboratory performed extractions and analyses within method-required holding times. Any samples extracted or analyzed out of holding time should be reviewed for potential bias.

7. Confirm field, method, and trip blanks were collected at the frequency specified in the project planning documents. Confirm no detections in laboratory method blanks, field blanks, and trip blanks. If detections are identified in the blank results, actions to be taken, including applying data qualifiers, will be conducted in accordance with the current USEPA CLP National functional guidelines unless otherwise specified in the project planning documents. A summary of the blank

evaluation criteria and actions based on the USEPA CLP National Functional Guidelines dated November 2020 is provided in Attachment 1.

8. For *organic analyses only*, confirm surrogates (or deuterated monitoring compounds) were analyzed and evaluate surrogate recovery compared to laboratory's surrogate acceptance limits or surrogate acceptance limits specified in the project planning documents. If surrogate recovery is outside the acceptance limits, actions to be taken, including applying data qualifiers, will be conducted in accordance with the current UESPA CLP National Functional Guidelines unless otherwise specified in the project planning documents. A summary of the surrogate evaluation criteria and actions based on the USEPA CLP National Functional Guidelines dated November 2020 is provided in Attachment 1.

9. Confirm field duplicates were collected at the frequency specified in the project planning documents. If the parent and duplicate sample concentrations are greater than or equal to (≥) 5x the PQL, the RPD between parent and duplicate sample concentrations will be calculated using the following equation:

$$RPD = \frac{(A - B)}{A + B/2} \times 100$$

Where:
A = analytical result from one of two duplicate measurements
B = analytical result from the second measurement

Precision measurements can be affected by how close a chemical concentration is to the practical quantitation limit, which can increase the percent error (or RPD). Therefore, in cases where either the parent or the duplicate sample concentration is less than (<) 5x the PQL, the absolute difference between the parent and duplicate sample concentrations will be calculated (i.e., low-level RPD).

Unless otherwise specified in the project planning documents, the acceptance criteria for field duplicate RPDs are as follows:

a. The field duplicate RPD criteria are less than or equal to (≤) 30 percent (%) for water samples and ≤ 50% for soil samples.

b. For low-level RPD comparisons, the absolute difference between the parent and duplicate sample concentrations shall not exceed 5x the PQL.

c. If either of these criteria are not met, both sample results should be qualified J or UJ. Detected results will be assigned a J qualifier, and non-detects will be assigned a UJ qualifier.

Data Qualifiers

The following data qualifiers may be used during data validation and/or retained from the laboratory.

- U = The analyte was analyzed for and was not detected above the numerical quantitation limit (i.e., reporting limit).
- J = The analyte was analyzed for and was positively identified, but the analytical result (i.e., quantitation) is an estimated value. In some cases, it is recognized that the estimated value is biased high (J+), suggesting the actual value is lower than estimated; or biased low (J-), suggesting the actual value is higher than estimated.

- UJ = The analyte was analyzed for and was not detected above the reporting limit, but the reporting limit is an estimated value.
- R = The analyte was analyzed for but may or may not be present and/or quantifiable due to quality control issues. The analytical result is not usable and should be rejected.
- N = The analysis indicates presumptive evidence of the presence of the analyte.
- NJ = The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.

Results qualified J (J, J+, and J-) or UJ are of acceptable data quality and may be used quantitatively per USEPA guidelines.

Reporting

The results of the data quality procedures should be summarized into a deliverable. An example deliverable used to communicate the results of Stage 2A Modified data validation is provided in Attachment 2. The deliverable should include an overall data quality assessment relative to the project DQOs and state if the data set is usable for the intended purposes of the project. The overall data quality assessment may include the following evaluations:

- Method Criteria: Review of the methods and analytes requested, chain of custody and sample receipt forms, sample conditions upon receipt, and holding times to ensure that samples were collected, preserved, shipped/delivered, and analyzed within the method protocols.
- Precision: Defined as the agreement between a set of replicate measurements without assumption or regard about the true value and is a measure of the reproducibility of individual measurements. Field duplicate samples will be used to assess precision.
- Accuracy: An expression of the degree to which a measured value represents the true value. Accuracy will be assessed through a review of surrogate, matrix spike, and laboratory control sample results. Accuracy will be defined as the percent recovery (%R) of an analyte in a reference standard or spiked sample. The acceptance criteria are dependent on the analytical method and established by individual laboratories. Acceptable accuracy will be defined as achieving %R within the recovery limits established by the analytical laboratory for the method utilized.
- Representativeness: The degree that data accurately and precisely represents the environment and conditions that the sample targeted. Representativeness will be achieved by conducting sampling in accordance with the sample collection procedures described in the project planning documents.
- Comparability: Expresses the confidence with which one data set can be evaluated in relation to another data set. Data are considered comparable if collection techniques, measurement procedures, methods, and reporting are equivalent for the samples within a sample set. Note that methods of sample collection and analyses may differ due to geologic and hydrogeologic conditions at individual sample locations and through time, meaning some data sets vary in comparability. To the extent practicable, consistent sampling techniques and analytical methods should be utilized.
- Completeness: Measures the amount of data determined to be valid relative to the amount of data collected. Completeness is also a measure of the amount of valid data generated versus the amount of data planned for collection, ensuring sufficient data are available to make project decisions. A completeness goal for most projects will be 90%.

- Suitability for Intended Use: An overall review of the event data to ensure that results are applicable for their intended use. If gross contamination or significant issues with the method criteria, precision, accuracy, representativeness, comparability, or completeness are identified, the reviewer may indicate that entire event data may not be suitable for use, and resampling or other corrective actions may be required.

Attachment 1

Summary of Data Validation Evaluation Criteria and Actions

(Based on the USEPA CLP National Functional Guidelines dated November 2020)

Foth Infrastructure & Environment, LLC

Summary of Data Validation Evaluation Criteria and Actions

This attachment provides the evaluation criteria and actions recommended for review of blank samples and surrogates based on the USEPA CLP National Functional Guidelines dated November 2020.

Blank Review

Blank Result	Sample Result	Action
VOCs and Non-Halogenated Organic Compounds (Method 8015B)		
>MDL and <PQL	Non-Detect	No qualification
	>MDL and <PQL	Qualify U and report at PQL
	≥PQL but <Blank Multiplier (1)	Qualify U and report at PQL
	≥PQL and ≥Blank Multiplier (1)	Qualify J+ and report at sample result or no qualification
≥PQL	Non-Detect	No qualification
	>MDL and <PQL	Qualify U and report at PQL
	≥PQL but <Blank Multiplier (1)	Qualify U and report at sample result
	≥PQL and ≥Blank Multiplier (1)	Qualify J+ and report at sample result or no qualification
SVOCs, Pesticides, Herbicides, and PCBs		
>MDL and <PQL	Non-Detect	No qualification
	>MDL and <PQL	Qualify U and report at PQL
	≥PQL	Qualify J+ and report at sample result or no qualification
≥PQL	Non-Detect	No qualification
	>MDL and <PQL	Qualify U and report at PQL
	≥PQL but <Blank	Qualify U and report at sample result
	≥PQL and ≥Blank	Qualify J+ and report at sample result or no qualification
Metals (ICP-AES and ICP-MS Methods), Mercury, Cyanide, Anions, and Total Organic Carbon		
>MDL and <PQL	Non-Detect	No qualification
	>MDL and <PQL	Qualify U and report at PQL
	≥PQL	Qualify J+ and report at sample result or no qualification
≤MDL but >QL	Non-Detect	UJ (2)
	Detect	J- or no qualification
≥PQL	Non-Detect	No qualification
	>MDL and <PQL	Qualify U and report at PQL
	≥PQL but <10x Blank	Qualify J+ and report at blank result or R
	≥PQL and ≥10x Blank	No qualification

MDL = minimum detection limit
PCB = polychlorinated biphenyl
PQL = practical quantitation limit
SVOC = semivolatile organic compound
VOC = volatile organic compound

(1) For VOCs, a blank multiplier of 1x will generally be utilized. For common laboratory contaminants (2-butanone, acetone, methylene chloride), a blank multiplier of 2x will be used.

(2) For cyanide, the action is no qualification.

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Surrogates or Deuterated Monitoring Compounds

Criteria	Action [1,2]	
	Detect	Non-Detect
VOCs and Non-Halogenated Organic Compounds (Method 8015B)		
%R < Expanded Lower Acceptance Limit (10%)	J-	R
Expanded Lower Acceptance Limit (10%) ≤ %R < specified Lower Acceptance Limit	J-	UJ
%R within specified Acceptance Limits	No qualification	No qualification
%R > specified Upper Acceptance Limit	J+	No qualification
SVOCs		
%R < Expanded Lower Acceptance Limit (10%, excluding surrogates with 10% as the lower acceptance limit, undiluted sample analysis)	J-	R
Expanded Lower Acceptance Limit (10%) ≤ %R (excluding surrogates with 10% as the lower acceptance limit, undiluted sample analysis) < specified Lower Acceptance Limit	J-	UJ
%R < specified Lower Acceptance Limit (diluted sample analysis)	Use professional judgment	Use professional judgment
%R within specified Acceptance Limits	No qualification	No qualification
%R > specified Upper Acceptance Limit	J+	No qualification
Pesticides, Herbicides, and PCBs		
%R < Expanded Lower Acceptance Limit (10%, undiluted sample)	J-	R
%R < Expanded Lower Acceptance Limit (10%, diluted sample)	Use professional judgment	Use professional judgment
Expanded Lower Acceptance Limit (10%) ≤ %R < specified Lower Acceptance Limit	J-	UJ
%R within specified Acceptance Limits	No qualification	No qualification
Upper Acceptance Limit < %R ≤ Expanded Upper Acceptance Limit (200%)	J+	No qualification
%R > Expanded Upper Acceptance Limit (200%)	J+	Use professional judgment

%R = percent recovery
PCB = polychlorinated biphenyl
SVOC = semivolatile organic compound
VOC = volatile organic compound

(1) For VOCs, pesticides, herbicides, and PCBs, qualifiers are assigned to all target analytes in the method for the individual sample the surrogate was analyzed with.

(2) For SVOCs, qualifiers are not assigned to all target analytes in the method for the individual sample the surrogate was analyzed with, but rather a shorter list of target analytes in the method list. The analytical laboratory or project planning document should be consulted for associated target SVOC analytes corresponding to each surrogate.

Attachment 2
Example Deliverable for Stage 2A Modified Data Validation

Foth Infrastructure & Environment, LLC

Data Validation Report

Project Name:	
Task Name:	
Data Set Description:	
Laboratory(s):	
Laboratory Sample Delivery Group (SDG) ID(s):	
Sample Collection Dates:	
Sample Analysis Dates:	
Sample Matrices:	
Sample IDs Reviewed:	See Table 1
Verification and Validation Stage, 100% data:	☐ 1 ☒ 2A Modified ☐ 2A ☐ 2B ☐ 3 ☐ 4
Verified and Validated By:	

The analytical data were validated to verify that laboratory quality assurance and quality control (QA/QC) procedures were documented and to evaluate the overall quality of the data reported. Analytical reports include [insert number and type of samples collected and collection method] at [insert site] from [insert sample collection dates]; samples are listed in Table 1. The data were collected in accordance with [insert references to the project planning documents and/or regulatory codes].

Validation Summary

Stage 2A Modified data validation was performed on 100% of the data from these sample delivery groups (SDGs), with review tasks and items of note documented in the summary table below.

Validation Task and Description	Review Notes	Action
Chain of Custody (COC) and Sample Receipt Form Confirm relinquish & receipt signatures. Confirm parameters and analytical methods match COC and project planning documents.		
Case Narrative Review for items noted by the laboratory that may impact the validation process.		

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Validation Task and Description	Review Notes	Action
Sample Condition Upon Receipt (SCUR) Confirm samples in acceptable condition and no discrepancies noted. Confirm preservation meets method requirements.		
Methods Requested Confirm methods match project requirements and lab provided all methods ordered.		
Analytes Requested Confirm analytes ordered match project requirements and lab provided all analytes ordered.		
Holding Times Confirm laboratory performed extractions and analyses within method-required holding times.		
Blanks Confirm no detections in laboratory method blanks, field blanks, and trip blanks.		
Surrogates or Deuterated Monitoring Compounds For *organic analyses only*, confirm surrogates analyzed and surrogate recovery within QC limits.		
Field Duplicates Confirm field duplicates collected at required frequency and field duplicate RPD within acceptable limits.		

Abbreviations:
COC = Chain of Custody
EDD = electronic data deliverable
LCS = laboratory control sample
LCSD = laboratory control sample duplicate
MS = matrix spike
MSD = matrix spike duplicate
RPD = relative percent difference
SCUR = Sample Condition Upon Receipt

Overall Assessment of Data

Item	Acceptable		Comments
	Yes	No	
1. Method Criteria			
2. Precision			
3. Accuracy			
4. Representativeness			
5. Comparability			
6. Completeness			
7. Suitability for Intended Use			

Overall, the data reported are of good quality and the results for the applicable quality assurance/quality control (QA/QC) measurements that were used by the laboratories during the analysis of the samples were generally acceptable. Some sample results required qualification during data validation because method-specific QA/QC criteria were not met; results may be qualified for more than one reason. These qualified data are usable, represent data of good quality and reasonable confidence, and have an acceptable degree of uncertainty (i.e., may be less precise or less accurate than unqualified data). Table 2 provides a definition of the qualifiers that may be assigned by the validator and/or retained from the laboratory. A summary of the validation qualifiers is provided below.

- No results were qualified as [insert qualifiers not utilized].
- Insert discussion on number of results that were assigned qualifiers. For example: Two results (0.1%) were qualified as estimated (assigned as J qualifiers).
- [Insert percent] of the data is usable for project data quality objectives.

Attachments

Attachment 1 – Tables

Table 1 – Sample IDs Reviewed
Table 2 – Data Qualifiers That May Be Used to Qualify Analytical Results During Validation
Table 3 – Method, Field, and Trip Blank Exceedances
Table 4 – Surrogate Recovery Exceedances
Table 5 – Relative Percent Difference (RPD) Analysis for Field Duplicate Samples
Table 6 – Qualified Results from Data Validation

Attachment 2 – References

Appendix B
Statistical Reports

Spring 2025 Statistical Analysis

Summer 2025 Statistical Analysis

Fall 2025 Statistical Analysis

Winter 2025 Statistical Analysis

Memorandum

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May 24, 2025

TO: Iowa Department of Natural Resources

FR: Gina Wilming; Hannah Dubbs

RE: Site 1 Statistical Analysis - Spring 2025 Evaluation

1 Memorandum Organization

This memo addresses the statistical analysis of the groundwater monitoring data collected in March 2025. The statistical methods and results are summarized, with the memo organization given as follows:

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Table 6 Mar. 2025 Prediction Limit Exceedances – Upper Bedrock
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Table 8 Upper Bedrock Double Quantification Rule
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Table 10 Upper Bedrock SSL Summary
Table 11 Deeper Bedrock SSL Summary
Table 12 Summary of the Spring 2025 Evaluation – Upper Bedrock
Table 13 Summary of the Spring 2025 Evaluation – Deeper Bedrock

Attachments

Attachment 1 Detailed Discussion of Statistical Methods
Attachment 2 Sanitas Report Output for Prediction Limit Calculations
Attachment 3 Sanitas Report Output for Double Quantification Rule Evaluations
Attachment 4 Sanitas Report Output for Confidence Interval Calculations – Assessment Mode
Attachment 5 Sanitas Report Output for Confidence Interval Calculations and Regression Summary – Corrective Action Mode
Attachment 6 References

2 Background

The groundwater monitoring locations and status of the Appendix I and II sampling schedules are summarized in Tables 1 and 2. The Appendix I and II analytical results will be provided in Table 14 of the 2025 Annual Water Quality Report (AWQR).

In March 2025, semiannual corrective action, background, and delineation monitoring were conducted at the locations listed in Tables 1 and 2. Corrective action and background monitoring locations were sampled for the Appendix I and detected Appendix II constituents in March 2025. In accordance with Permit Amendment #6, resampling for the full Appendix II list at the corrective action and background monitoring wells is conducted every five years. The full Appendix II resampling dates will be provided in Table 2 of the 2025 AWQR.

As footnoted in Tables 1 and 2, annual monitoring at upper bedrock wells AW-1, AW-2, AW-3, AW-4, AW-5, MW-20, MW-21, MW-23, MW-24, MW-26, MW-28, MW-30, MW-34, MW-35, VP-3, VP-4, MW-105A, MW-106A, MW-107A, and MW-109A and deeper bedrock wells AW-6, CRL-9, MW-11, MW-15, MW-18, MW-19, MW-22, MW-25, MW-31, MW-36, MW-102B, MW-104B, MW-105B,

MW-107B, and MW-108B is scheduled for Fall 2025. Therefore, these locations were not monitored in March 2025.

Table 1
Upper Bedrock Monitoring Locations and Schedule [1]
Aug. 2008 – Mar. 2025 Appendix I & II Data

Monitoring Location	Monitoring Program	Current Schedule [2] (Mar. 2025)	Appendix I Initiated	# Events to Complete Baseline Appendix I or Completion Date [113.10(5)b]	Appendix II Initiated	# Events to Complete Baseline Appendix II or Completion Date [113.10(6)b]	Returned to Detection Monitoring (Yes/No)
Downgradient Monitoring Locations							
MW-12	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-13	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-16	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-17	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-32	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
Background Monitoring Locations							
MW-37	Background	Appendix II	N/A	N/A	Aug-08	Sep-09	---
MW-101A	Background	Appendix II	Sep-13 [3]	Sep-14 [2]	Sep-13 [3]	Sep-14 [3]	---

N/A = Not applicable. Monitoring points were under routine parameter sampling per 567 IAC 113.2(5) prior to initiation of Appendix II.

[1] In accordance with Permit Amendment #16, annual monitoring at AW-1, AW-2, AW-3, AW-4, AW-5, MW-20, MW-21, MW-23, MW-24, MW-26, MW-28, MW-30, MW-34, MW-35, VP-3, VP-4, MW-105A, MW-106A, MW-107A, and MW-109A is scheduled for Fall 2025. Therefore, these locations were not monitored in Mar. 2025.

[2] Appendix II locations were sampled for the Appendix I and detected Appendix II constituents in Mar. 2025. Resampling for the full Appendix II list at the corrective action and background monitoring wells is conducted every five years.

[3] Six rounds of background monitoring for the Appendix II metals were conducted at MW-101A between Sep. 2013 and Mar. 2015. Background monitoring for the full Appendix II list was conducted in Sep. 2015, Mar. 2016, and Aug. 2020.

Table 2
Deeper Bedrock Monitoring Locations and Schedule [1]
Aug. 2008 – Mar. 2025 Appendix I & II Data

Monitoring Location	Monitoring Program	Current Schedule [2] (Mar. 2025)	Appendix I Initiated	# Events to Complete Baseline Appendix I or Completion Date [113.10(5)b]	Appendix II Initiated	# Events to Complete Baseline Appendix II or Completion Date [113.10(6)b]	Returned to Detection Monitoring (Yes/No)
Downgradient Monitoring Locations							
MW-14	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-33	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
Background Monitoring Locations							
MW-38	Background	Appendix II	N/A	N/A	Aug-08	Sep-09	---
MW-101B	Background	Appendix II	Sep-13 [3]	Sep-14 [3]	Sep-13 [3]	Sep-14 [2]	---
Delineation Monitoring Locations							
MW-109B	Delineation	Appendix I	Nov-17	Nov-18	---	---	---

N/A = Not applicable. Monitoring points were under routine parameter sampling per 567 IAC 113.2(5) prior to initiation of Appendix II.

[1] In accordance with Permit Amendment #16, annual monitoring at AW-6, CRL-9, MW-11, MW-15, MW-18, MW-19, MW-22, MW-25, MW-31, MW-36, MW-102B, MW-104B, MW-105B, MW-107B, and MW-108B is scheduled for Fall 2025. Therefore, these locations were not monitored in Mar. 2025.

[2] Appendix II locations were sampled for the Appendix I and detected Appendix II constituents in Mar. 2025. Resampling for the full Appendix II list at the corrective action and background monitoring wells is conducted every five years.

[3] Six rounds of background monitoring for the Appendix II metals were conducted at MW-101B between Sep. 2013 and Mar. 2015. Two rounds of background monitoring for the full Appendix II list were conducted in Sep. 2015 and Mar. 2016.

As noted in the data validation report, which will be submitted with the 2025 AWQR, lead was detected in the field blank. Professional judgement was used to reject detected lead results at the associated samples: MW-33, MW-38, and MW-101B. Resampling was not recommended for

MW-38 and MW-101B since they are background wells and background monitoring for lead is not required for compliance with the project requirements. Resampling was recommended for MW-33 since downgradient monitoring for lead is required for compliance with the project requirements. Therefore, lead in MW-33 was not evaluated in this statistical evaluation and will be sampled prior to the next semiannual event.

Under the detection and assessment monitoring programs of 567 IAC 113.10(5) and 113.10(6), Appendix I and II monitoring results are statistically compared to background levels as given in 567 IAC 113.10(6)e and to the groundwater protection standard (GWPS) as given in 567 IAC 113.10(6)g and h. A well may return to detection monitoring when all Appendix II constituents are "shown to be at or below background values, using the statistical procedures in paragraph 113.10(4)g for two consecutive sampling events." Consequently, to return to detection monitoring in accordance with 567 IAC 113.10(6)e, all Appendix II constituents must be below the interwell prediction limit (for constituents which are detected in the background data set) or below the laboratory reporting limit (for constituents which are not detected in the background data set) during two consecutive sampling events. As mentioned in previous memos, three consecutive sampling events may be utilized to make the determination to return to detection monitoring to limit frequent fluctuation of wells moving between the detection and assessment monitoring programs. Assessment monitoring continues when Appendix II concentrations are above background values but below the GWPS using the statistical procedures in paragraph 113.10(4)g.

If Appendix II constituents are detected at statistically significant levels (SSLs) above the GWPS, characterization [567 IAC 113.10(6)g] is initiated and the owners or operators are required to begin an assessment of corrective measures, select a remedy, and implement a remedy in accordance with 567 IAC 113.10(7), (8), and (9). For remedy completion [567 IAC 113.10(9)e(2)], compliance with the GWPS is considered achieved by demonstrating that concentrations of Appendix II constituents have not exceeded the GWPS for a period of three consecutive years or an alternate length of time established by the IDNR.

Based on the August 2008 through March 2025 results, this memo presents an evaluation of statistically significant increases (SSIs) and SSLs under the requirements of paragraphs 113.10(4)g and h of 567 IAC.

3 Statistical Methodology

The statistical methods utilized for locations in delineation and corrective action monitoring were consistent with the methods used in previous statistical evaluations. Detailed descriptions of the statistical methods are provided in Attachment 1. Sanitas® v10.0 (Sanitas Technologies) software was utilized to complete the statistical comparisons.

The combined background data sets (MW-37 and MW-101A for the upper bedrock, and MW-38 and MW-101B for the deeper bedrock) were utilized to evaluate SSIs over background.

3.1 Background Data Set Adjustments

3.1.1 Adjustments Associated with Turbidity and Total Suspended Solids

No background data set adjustments are recommended for MW-37, MW-38, MW-101A, and MW-101B based on a review of the field turbidity and total suspended solids (TSS) data from the March 2025 sampling event. The March 2025 TSS concentrations at MW-37, MW-38, MW-101A, and MW-101B were below the 5 mg/L limit for acceptable sample quality.

The background data set adjustments previously recommended and incorporated based on review of turbidity data include:

- Removal of the high-volume September 2009 through September 2014 metals data at MW-101A (initiated with Fall 2016 statistical evaluation).
- Removal of the high-volume September 2009 through September 2014 and the initial low-flow March 2015 metals data at MW-101B (initiated with Fall 2016 statistical evaluation).
- Removal of the March 2019 barium concentration in MW-38 due to elevated TSS and the potential for turbidity to contribute to the higher barium concentration identified (initiated with Spring 2019 statistical evaluation).
- Removal of the March 2023 barium, cadmium, cobalt, copper, nickel, selenium, and vanadium concentrations in MW-101A due to elevated TSS and the potential for turbidity to contribute to the higher concentrations identified (initiated with the Spring 2023 statistical evaluation).

These data set adjustments were maintained in the current statistical evaluation. The removed background data will be listed as crossed-out concentrations in Table 14 of the 2025 AWQR.

Note that the historical high-volume data at the downgradient wells continue to be reviewed on a case-by-case basis. The downgradient data set review is discussed in Section 5.1.

3.1.2 Adjustments Associated with Practical Quantitation Limits

Due to lowering of the practical quantitation limits (PQLs), background data set adjustments were approved to remove earlier non-detect data with elevated PQLs for barium, cobalt, copper, and lead in the upper bedrock and for barium, beryllium, cadmium, cobalt, copper, lead, and nickel in the deeper bedrock due to the increased uncertainty the elevated PQLs added. IDNR approved the background dataset adjustments due to elevated PQLs in the letters dated May 12, 2016 and November 20, 2017 (IDNR, 2016 and 2017). These data set adjustments were maintained in the current statistical evaluation.

3.1.3 Review of Single Background Detections

During the September 2015 event, m/p-cresol and phenol were detected above the laboratory reporting limit at upper bedrock background well MW-37. These two constituents were not detected in either background well before or after the September 2015 event. As a result, m/p-cresol and phenol will not be evaluated using prediction limits unless additional background detections are identified. Downgradient m/p-cresol and phenol results continue to be evaluated using the double quantification rule (DQR).

Single volatile organic compound (VOC) detections were identified for carbon disulfide and toluene in MW-37 in August 2017. The November 2017 retest sample did not confirm the August 2017 detections; therefore, SSIs were not declared. Barium and cobalt were the only other detections in MW-37 in August 2017, and their concentrations were within the range of historical concentrations. Therefore, the August 2017 barium and cobalt results were maintained in the background data set for calculating interwell prediction limits. Since VOCs are considered “never detected” constituents, carbon disulfide and toluene were not added as

prediction limit constituents. Downgradient carbon disulfide and toluene results continue to be evaluated using the DQR.

Similarly, single VOC detections were identified for benzene, ethylbenzene, toluene, and total xylenes (BTEX) in MW-37 during the Fall 2018 sampling event. The August 2018 detected metals data at MW-37 was removed from the background dataset due to the potential impact indicated by the BTEX detections. The November 2018 retest sample did not confirm the August 2018 BTEX detections; therefore, SSIs were not declared. Since VOCs are considered "never detected" constituents, the BTEX constituents were not added as prediction limit constituents. Downgradient BTEX results continue to be evaluated using the DQR.

3.2 Corrective Action Constituents

In accordance with the Unified Guidance (USEPA, 2009), corrective action statistics are conducted for analyte/well pairs with previously identified SSLs, as listed in Table 3. No new corrective action constituents were added based on the results of the previous Fall 2024 statistical evaluation. In accordance with 567 IAC 113.10(9)e(2), cobalt in MW-35 returned to an assessment constituent in 2025 since compliance with the GWPS was maintained for three consecutive years. Since cobalt is the only corrective action constituent in MW-35, MW-35 returned to an assessment monitoring location.

Under corrective action statistics, comparisons to background are not conducted (except for cobalt in the upper bedrock under the corrective action hypothesis, further discussed in Section 5.2); therefore, the analyte/well pairs listed in Table 3 were not included in the Section 4 comparisons to background.

Table 3
Corrective Action Constituents [1]

Monitoring Location	Corrective Action Constituents [2]
Upper Bedrock Monitoring Locations	
AW-1	Arsenic
AW-2	Arsenic, Thallium
MW-12	Arsenic
MW-13	Arsenic
MW-16	Arsenic
MW-17	Arsenic
MW-20	Thallium
MW-24	Arsenic
MW-30	Arsenic
MW-32	Arsenic
MW-34	Arsenic, Vinyl Chloride
MW-105A	Cobalt
MW-106A	Arsenic, Cobalt
Deeper Bedrock Monitoring Locations	
AW-6	Cobalt
CRL-9	Arsenic, Cobalt
MW-14	Arsenic
MW-22	Arsenic, Cobalt
MW-33	Arsenic
MW-36	Arsenic
MW-105B	Cobalt
MW-109B	Arsenic; Cobalt; Thallium

(1) Table 3 lists the analyte/well pairs identified as corrective action constituents regardless of whether the monitoring location was sampled during the current event.
(2) Corrective action constituents are analyte/well pairs with SSLs over the GWPS identified during previous statistical evaluations and have not achieved compliance with the GWPS in accordance with 567 IAC 113.10(9)e(2).

4 Comparison to Background Levels

Comparisons to background levels were conducted using interwell prediction limits and the DQR. As noted in Section 3.2, comparisons to background were not conducted for the corrective action constituents listed in Table 3.

4.1 Interwell Prediction Limits

Interwell prediction limits were used for formal statistical assessment of SSIs over background for analytes that have been detected above the reporting limit in the combined background data set (MW-37 and MW-101A for the upper bedrock system; MW-38 and MW-101B for the deeper bedrock system). For the upper bedrock, these analytes included antimony, arsenic, barium, cobalt, copper, lead, nickel, tin, and zinc. For the deeper bedrock, these analytes included antimony, arsenic, barium, bis(2-ethylhexyl)phthalate, cadmium, cobalt, copper, nickel, tin, and zinc. Note that interwell prediction limit comparisons were not conducted for arsenic during this statistical evaluation since arsenic is a corrective action constituent in the upper and deeper bedrock locations that were sampled during the March 2025 event. The March 2025 downgradient arsenic concentrations in the upper and deeper bedrock will be evaluated using corrective action statistics.

4.1.1 Upper Bedrock

The upper bedrock prediction limits calculated utilizing August 2008 through March 2025 sample data are summarized in Table 4. The background data set adjustments discussed in Section 3.1 were utilized.

Table 4
Prediction Limit Summary - Upper Bedrock
Aug. 2008 – Mar. 2025 Interwell Data (1)

Chemical Name	Prediction Limit	Units	Prediction Limit Type	Retesting Plan	Prediction Limit Method
Antimony	0.00739	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Arsenic (2)	0.00205	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Barium	0.1354	mg/L	Parametric (Lognormal)	1-of-2	$\exp(\bar{y} + k \cdot s_y)$
Cobalt	0.008	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Copper	0.0225	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Lead	0.00695	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Nickel	0.0522	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Tin	0.152	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Zinc	0.0805	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic

(1) Interwell data consists of the Appendix I and II parameters that have been detected in the combined background data set (MW-37 and MW-101A). Note that background data set adjustments were incorporated in accordance with Section 3.1.
(2) Interwell prediction limit comparisons were not conducted for arsenic during this statistical evaluation since arsenic is a corrective action constituent in the upper bedrock location sampled during the March 2025 event. The arsenic prediction limit was calculated for reference; however, there were no downgradient comparisons to this limit for the Spring 2025 evaluation.

Non-parametric prediction limits were used for antimony, arsenic, cobalt, copper, lead, nickel, tin, and zinc since either normality assumptions could not be met or there were less than 50%

detects in the combined background data. A parametric lognormal prediction limit was used with barium since there were greater than 50% detects in the combined background data set, the assumptions of normality were met with a lognormal transformation, and the lognormal limit was accepted as being representative of the background distribution.

4.1.2 Deeper Bedrock

Deeper bedrock prediction limits calculated from August 2008 through March 2025 sample data are summarized in Table 5. The background data set adjustments discussed in Section 3.1 were utilized.

Table 5
Prediction Limit Summary - Deeper Bedrock
Aug. 2008 – Mar. 2025 Interwell Data [1]

Chemical Name	Prediction Limit	Units	Prediction Limit Type	Retesting Plan	Prediction Limit Method
Antimony	0.0101	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Arsenic [2]	0.00225	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Barium	0.138	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Bis(2-ethylhexyl) phthalate [3]	25.4	ug/L	Non-Parametric	1-of-2	Maximum Order Statistic
Cadmium	0.000824	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Cobalt	0.0008513	mg/L	Parametric (Lognormal with Kaplan-Meier Adjustment)	1-of-2	$\exp(\hat{\mu}_{KM} + k \cdot \hat{\sigma}_{KM})$
Copper	0.0108	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Nickel	0.00735	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Tin [3]	0.109	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Zinc	0.0366	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic

[1] Interwell data consists of the Appendix I and II parameters that have been detected in the combined background data set (MW-38 and MW-101B). Note that background data set adjustments were incorporated in accordance with Section 3.1.
[2] Interwell prediction limit comparisons were not conducted for arsenic during this statistical evaluation since arsenic is a corrective action constituent in the deeper bedrock location sampled during the March 2025 event. The arsenic prediction limit was calculated for reference; however, there were no downgradient comparisons to this limit for the Spring 2025 evaluation.
[3] Bis(2-ethylhexyl)phthalate and tin were included only for corrective action monitoring locations.

Non-parametric prediction limits were used for antimony, arsenic, barium, bis(2-ethylhexyl)-phthalate, cadmium, copper, nickel, tin, and zinc since either normality assumptions could not be met or there were less than 50% detects in the combined background data. A parametric lognormal prediction limit was used with cobalt since there were greater than 50% detects in the combined background data set, the assumptions of normality were met with a lognormal transformation, and the lognormal limit was accepted as being representative of the background distribution.

4.1.3 Prediction Limit Exceedances

A summary of the monitoring locations exhibiting a prediction limit exceedance during the March 2025 event is given in Table 6 for the upper bedrock system and Table 7 for the deeper bedrock system. Detailed prediction limit output for each analyte/well pair is included in Attachment 2.

Table 6
Mar. 2025 Prediction Limit Exceedances – Upper Bedrock

Prediction Limit	Barium (mg/L) 0.1354	Nickel (mg/L) 0.0522
Corrective Action Monitoring Locations – Assessment Constituents		
MW-12	0.851	
MW-13	0.846	
MW-32	0.748	0.0847

Table 7
Mar. 2025 Prediction Limit Exceedances - Deeper Bedrock

Prediction Limit	Barium (mg/L) 0.138	Cobalt (mg/L) 0.0008513	Nickel (mg/L) 0.00735	Zinc (mg/L) 0.0366
Delineation Monitoring Locations – Assessment Constituents				
MW-109B	0.613		0.0315	
Corrective Action Monitoring Locations – Assessment Constituents				
MW-14	0.539		0.0138	0.197
MW-33	0.615	0.0013		

4.2 Double Quantification Rule

The DQR was used to evaluate SSIs over background for the remaining Appendix I and II constituents (i.e., constituents which have not been detected above the reporting limit in the combined background data set). The DQR output is included in Attachment 3, with a summary of the March 2025 DQR detections listed in Table 8 for the upper bedrock wells and in Table 9 for the deeper bedrock wells.

Table 8
Upper Bedrock Double Quantification Rule
Mar. 2025 Detections

Well	Constituent(s)
Corrective Action Monitoring Locations - Assessment Constituents	
MW-12	1,1-Dichloroethane; 1,4-Dichlorobenzene; Chlorobenzene; cis-1,2-Dichloroethene
MW-13	1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Benzene; Chlorobenzene
MW-16	1,4-Dichlorobenzene; Chlorobenzene
MW-32	1,4-Dichlorobenzene; Chlorobenzene

Table 9
Deeper Bedrock Double Quantification Rule
Mar. 2025 Detections

Well	Constituent(s)
Delineation Monitoring Locations - Assessment Constituents	
MW-109B	1,4-Dichlorobenzene; Chlorobenzene
Corrective Action Monitoring Locations (Assessment Constituents)	
MW-14	1,1-Dichloroethane; 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Benzene; Chlorobenzene
MW-33	1,4-Dichlorobenzene; Chlorobenzene

4.3 Summary of Comparison to Background

4.3.1 Delineation Monitoring Locations – Assessment Constituents

For the deeper bedrock system, prediction limit exceedances and DQR detections were identified at MW-109B as listed in Tables 7 and 9. In lieu of retesting for the prediction limit exceedances and DQR detections, SSIs were declared and evaluated for SSLs in Section 5.

4.3.2 Corrective Action Monitoring Locations – Assessment Constituents

For the upper bedrock system, no prediction limit exceedances or DQR detections were identified at MW-17. Prediction limit exceedances were identified at MW-12, MW-13, and MW-32 as listed in Table 6. DQR detections were identified at MW-12, MW-13, MW-16, and MW-32 as listed in Table 8. In lieu of retesting for the prediction limit exceedances and DQR detections, SSIs were declared and evaluated for SSLs in Section 5.

For the deeper bedrock system, prediction limit exceedances and DQR detections were identified at MW-14 and MW-33 as listed in Tables 7 and 9. In lieu of retesting for the prediction limit exceedances and DQR detections, SSIs were declared and evaluated for SSLs in Section 5.

5 Comparison to Groundwater Protection Standard

The prediction limit exceedances and DQR detections listed in Tables 6 through 9 were declared SSIs and evaluated for SSLs over the GWPS per 567 IAC 113.10(6)f and g. Comparisons to the GWPS were evaluated through statistical confidence intervals under the assessment monitoring null hypothesis. SSLs were declared to exist with statistical certainty when the lower confidence limit exceeds the GWPS. Statistical outputs for confidence intervals in assessment mode are included in Attachment 4.

In contrast, corrective action analyte/well pairs (i.e., those where SSLs have been previously declared) were evaluated to determine compliance with the GWPS per 567 IAC 113.10(9)e. A summary of the upper and deeper bedrock corrective action constituents was provided in Table 3. Comparisons to the GWPS in this case were evaluated through statistical confidence intervals under the corrective action monitoring null hypothesis, or in the case of downward trending data, confidence bands (upper 95% confidence limits) placed around the linear trend line. For corrective action constituents, compliance with the GWPS has been achieved with statistical certainty when the UCL or the upper 95% confidence limit on the trend line is lower than the GWPS for a period of three consecutive years or an alternate length of time established by the IDNR. Statistical outputs for regression statistics, confidence bands, and confidence intervals in corrective action mode are included in Attachment 5.

5.1 Compliance Data Set Review for Confidence Intervals

5.1.1 Adjustments Due to Changes in PQLs

As noted in Section 3.1, downgradient data set adjustments were approved to remove earlier non-detect data with elevated PQLs for upper bedrock cobalt data at AW-5, MW-13, MW-17, MW-23, and MW-35; to remove earlier non-detect and J-flagged data with elevated PQLs for deeper bedrock cobalt data at AW-6, CRL-9, MW-11, MW-14, MW-15, MW-22, MW-33 MW-36, MW-102B, MW-105B, and MW-107B; and to remove earlier non-detect and J-flagged data with elevated PQLs for the deeper bedrock nickel data at AW-6, CRL-9, MW-14, MW-15, MW-18, MW-19, MW-22, MW-33, and MW-36 due to the increased uncertainty the elevated PQLs added. IDNR approved the downgradient cobalt dataset adjustments due to elevated PQLs in the letters

dated May 12, 2016 and November 20, 2017 (IDNR, 2016 and 2017). These data set adjustments were maintained in the current statistical evaluation.

5.1.2 Adjustments Due to Sampling Technique Changes

As noted in Section 3.1, the downgradient metals data sets continued to be reviewed on a case-by-case basis to determine whether data set adjustments are recommended based on the change in sampling technique from high-volume to low-flow sampling methods. In the letter dated November 20, 2017 (IDNR, 2017), IDNR concurred with the strategy to analyze wells on a case-by-case basis for a statistical correlation between newer and older sampling techniques.

No data set adjustments are currently recommended for the SSIs listed in Tables 6 through 9 and the corrective action constituents in Table 3. To date, downgradient data set adjustments include removal of the high-volume August 2008 through September 2014 zinc data at AW-7, MW-20, and MW-30 and removal of the high-volume August 2008 through September 2014 nickel data at MW-13. IDNR approved the zinc and nickel data set adjustments in the letter dated November 20, 2017 (IDNR, 2017). These data set adjustments were maintained in the current statistical evaluation.

5.1.3 Adjustments Due to Exiting Corrective Action

As further detailed in Attachment 1, the historical data prior to when statistical compliance with the GWPS was first achieved will be removed when analyte/well pairs exit corrective action and return to assessment constituents. Nickel in MW-12; cobalt, nickel, and vinyl chloride in MW-13; cobalt in MW-23; and arsenic in VP-3 exited corrective action and returned to assessment constituents during the Fall 2019 or Spring 2020 statistical evaluations. Cobalt in AW-5 and MW-17 exited corrective action and returned to assessment constituents during the Fall 2020 statistical evaluation. Arsenic in MW-20 exited corrective action and returned to an assessment constituent during the Fall 2023 statistical evaluation. Compliance with the GWPS was first achieved in Spring 2015 for nickel in MW-12 and vinyl chloride in MW-13; in Fall 2016 for cobalt and nickel in MW-13 and cobalt in MW-23; in Spring 2017 for arsenic in VP-3; in Fall 2017 for cobalt in AW-5 and MW-17; and in Spring 2020 for arsenic in MW-20. The historical data prior to these initial compliance dates have been removed. In addition, cobalt in MW-35 exited corrective action and returned to an assessment constituent in 2025. Compliance with the GWPS was first achieved in Fall 2022 for cobalt in MW-35; therefore the historical data prior to Fall 2022 was removed during this statistical evaluation.

The following data set adjustments currently and previously recommended and incorporated due to exiting corrective action include:

- Removal of the Sep. 2010 through March 2017 cobalt data in AW-5. Note that earlier non-detect cobalt data had already been removed as discussed in Section 5.1.1.
- Removal of the Aug. 2008 through Sep. 2014 nickel data in MW-12.
- Removal of the Sep. 2009 through Mar. 2016 cobalt data in MW-13.
- Removal of the Mar. 2015 through Mar. 2016 nickel data in MW-13. Note that nickel data prior to Mar. 2015 had already been removed as discussed in Section 5.1.2.
- Removal of the Aug. 2008 through Sep. 2014 vinyl chloride data in MW-13.
- Removal of the Sep. 2009 through March 2017 cobalt data in MW-17. Note that earlier non-detect cobalt data had already been removed as discussed in Section 5.1.1.
- Removal of the Aug. 2008 through Aug. 2019 arsenic data in MW-20.
- Removal of the Sep. 2010 through Mar. 2016 cobalt data in MW-23. Note that earlier non-detect cobalt data had already been removed as discussed in Section 5.1.1.

- Removal of the Aug. 2008 through Aug. 2016 arsenic data in VP-3.
- Removal of the Aug. 2008 through Aug. 2021 cobalt data in MW-35.

5.2 Background as the Cobalt GWPS

Background cobalt concentrations in the upper bedrock data set exceeded the 567 IAC Chapter 137 Statewide Standard. Therefore, pursuant to 567 IAC 113.10(6)h, the GWPS for cobalt becomes background. The GWPS for cobalt in corrective action monitoring was evaluated with the statistical methods described in Attachment 1 and as recommended in the Unified Guidance (USEPA, 2009). Both the prediction limit (i.e., *two-sample*) and confidence interval (i.e., *one-sample*) methods were evaluated. Where concentration shifts were detected in the data, the *one-sample* confidence interval method was evaluated utilizing the linear trend line approach further detailed in Section 5.3 below. With background as the GWPS, the upper confidence limit is compared to the background upper tolerance limit with 95% confidence and 95% coverage (discussed in detail in Attachment 1).

Note that in March 2025, no SSIs were identified for cobalt in the upper bedrock monitoring locations, and none of the upper bedrock corrective action monitoring locations sampled had cobalt as a corrective action constituent. Therefore, comparisons to the GWPS were not conducted for cobalt in the upper bedrock during this statistical evaluation.

5.3 Data Concentration Shifts During Corrective Action

Statistically significant decreasing linear trends continued to be identified for arsenic in MW-12 (since 2008) and MW-17 (since 2018), and for cobalt in MW-109B (since 2017). In addition, a statistically significant decreasing linear trend was newly identified for thallium in MW-109B (since 2017). Consistent with previous memos, 90% confidence bands (upper 95% confidence limits) placed around the linear trend line were used since significantly decreasing linear trends were identified for these well/analyte pairs.

Regression statistics and confidence band outputs for these analyte/well pairs are provided in Attachment 5. The upper 95% confidence limits were above the GWPS for arsenic in MW-12 and MW-17, cobalt in MW-109B, and thallium in MW-109B.

5.4 SSL Summary

Confidence interval output for the upper and deeper bedrock assessment constituents is included in Attachment 4, and for the upper and deeper bedrock corrective action constituents is included in Attachment 5. The results for the upper bedrock are summarized in Table 10 and the results for the deeper bedrock are summarized in Table 11.

Table 10
Upper Bedrock SSL Summary
Aug. 2008 – Mar. 2025 Appendix II Data

Chemical Name	Wells with SSL [1]	SSL Not Identified or Rejected [1]	GWPS [2]
Corrective Action Monitoring Locations - Assessment Constituents			
1,1-Dichloroethane (ug/L)		MW-12	140
1,2-Dichlorobenzene (ug/L)		MW-13	600
1,4-Dichlorobenzene (ug/L)		MW-12, MW-13, MW-16, MW-32	75
Barium (mg/L)		MW-12, MW-13, MW-32	2
Benzene (ug/L)		MW-13	5
Chlorobenzene (ug/L)		MW-12, MW-13, MW-16, MW-32	100
cis-1,2-Dichloroethene (ug/L)		MW-12	70
Nickel (mg/L)		MW-32	0.1
Corrective Action Monitoring Locations – Corrective Action Constituents			
Arsenic (mg/L)	MW-12, MW-13, MW-16, MW-17, MW-32		0.01

[1] Under the assessment null hypothesis, an SSL is indicated when the lower confidence limit exceeds the GWPS. Under corrective action null hypothesis, an SSL remains when the upper confidence limit exceeds the GWPS.
[2] Values are the 40 CFR Part 141 Safe Drinking Water Act MCL or the 567 IAC Chapter 137 Statewide Standard for a Protected Groundwater Source.

Table 11
Deeper Bedrock SSL Summary
Aug. 2008 – Mar. 2025 Appendix II Data

Chemical Name	Wells with SSL [1]	SSL Not Identified or Rejected [1]	GWPS [2]
Delineation Monitoring Locations – Assessment Constituents			
1,4-Dichlorobenzene (ug/L)		MW-109B	75
Barium (mg/L)		MW-109B	2
Chlorobenzene (ug/L)		MW-109B	100
Nickel (mg/L)		MW-109B	0.1
Corrective Action Monitoring Locations – Assessment Constituents			
1,1-Dichloroethane (ug/L)		MW-14	140
1,2-Dichlorobenzene (ug/L)		MW-14	600
1,4-Dichlorobenzene (ug/L)		MW-14, MW-33	75
Barium (mg/L)		MW-14, MW-33	2
Benzene (ug/L)		MW-14	5
Chlorobenzene (ug/L)		MW-14, MW-33	100
Cobalt (mg/L)		MW-33	0.0021
Nickel (mg/L)		MW-14	0.1
Zinc (mg/L)		MW-14	2
Corrective & Delineation Action Monitoring Locations – Corrective Action Constituents			
Arsenic (mg/L)	MW-14, MW-33, MW-109B		0.01
Cobalt (mg/L)	MW-109B		0.0021
Thallium (mg/L)	MW-109B		0.002

[1] Under the assessment null hypothesis, an SSL is indicated when the lower confidence limit exceeds the GWPS. Under corrective action null hypothesis, an SSL remains when the upper confidence limit exceeds the GWPS.
[2] Values are the 40 CFR Part 141 Safe Drinking Water Act MCL or the 567 IAC Chapter 137 Statewide Standard for a Protected Groundwater Source.

5.5 Summary of Comparison to Groundwater Protection Standard

5.5.1 Delineation Monitoring Locations

No SSLs were identified for the assessment constituents in deeper bedrock delineation monitoring location MW-109B. Arsenic, cobalt, and thallium in MW-109B were evaluated as corrective action constituents. SSLs continued to be identified for these analyte/well pairs; therefore, compliance with the GWPS has not been achieved. Note that statistically significant decreasing trends were identified for cobalt and thallium in MW-109B.

5.5.2 Corrective Action Monitoring Locations

No SSLs were identified for the assessment constituents in the upper and deeper bedrock corrective action monitoring locations.

For the upper bedrock corrective action constituents, SSLs over the GWPS remained for arsenic in MW-12, MW-13, MW-16, MW-17, and MW-32. While compliance with the GWPS was not achieved, statistically significant decreasing trends were identified for arsenic in MW-12 and MW-17.

For the deeper bedrock corrective action constituents, SSLs continued to be identified for arsenic in MW-14 and MW-33.

6 Conclusions

The methodology described in Attachment 1 was utilized to conduct the statistical evaluations for the upper and deeper bedrock locations in the delineation and corrective action monitoring programs.

In March 2024, semiannual corrective action, background, and delineation monitoring were conducted at upper bedrock monitoring locations MW-12, MW-13, MW-16, MW-17, MW-32, MW-37, and MW-101A and deeper bedrock monitoring locations MW-14, MW-33, MW-38, MW-101B, and MW-109B. In accordance with Permit Amendment #16, annual monitoring at upper bedrock monitoring wells AW-1, AW-2, AW-3, AW-4, AW-5, MW-20, MW-21, MW-23, MW-24, MW-26, MW-28, MW-30, MW-34, MW-35, VP-3, VP-4, MW-105A, MW-106A, MW-107A, and MW-109A and deeper bedrock wells AW-6, CRL-9, MW-11, MW-15, MW-18, MW-19, MW-22, MW-25, MW-31, MW-36, MW-102B, MW-104B, MW-105B, MW-107B, and MW-108B is scheduled for Fall 2025. Therefore, these locations were not monitored in March 2025.

6.1 Upper Bedrock Monitoring Locations

A summary of the Spring 2025 statistical evaluation results for the upper bedrock system is presented in Table 12.

Table 12
Summary of the Spring 2025 Evaluation - Upper Bedrock

Monitoring Location	Monitoring Program	Current Schedule [1,2] (Mar. 2025)	Current SSIs	Corrective Action Constituents		Retesting Parameter	Monitoring Program Changes
				Current SSLs [3]	Achieved Compliance with GWPS		
Downgradient Monitoring Locations							
MW-12	Corrective Action	Appendix II	1,1-Dichloroethane; 1,4-Dichlorobenzene; Barium; Chlorobenzene; cis-1,2-Dichloroethene	Arsenic			
MW-13	Corrective Action	Appendix II	1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Barium; Benzene; Chlorobenzene	Arsenic			
MW-16	Corrective Action	Appendix II	1,4-Dichlorobenzene; Chlorobenzene	Arsenic			
MW-17	Corrective Action	Appendix II		Arsenic			
MW-32	Corrective Action	Appendix II	1,4-Dichlorobenzene; Barium; Chlorobenzene; Nickel	Arsenic			
Background Monitoring Locations							
MW-37	Background	Appendix II					
MW-101A	Background	Appendix II					

(1) In accordance with Permit Amendment #16, annual monitoring at AW-1, AW-2, AW-3, AW-4, AW-5, MW-20, MW-21, MW-23, MW-24, MW-26, MW-28, MW-30, MW-34, MW-35, VP-3, VP-4, MW-105A, MW-106A, MW-107A, and MW-109A is scheduled for Fall 2025. Therefore, these locations were not monitored in Mar. 2025.

(2) Appendix II locations were sampled for the Appendix I and detected Appendix II constituents in Mar. 2025. Resampling for the full Appendix II list at the corrective action and background monitoring wells is conducted every five years.

(3) Analyte/well pairs with SSLs over the GWPS identified during previous statistical evaluations and have not achieved compliance with the GWPS for 3 consecutive years in accordance with 567 IAC 113.10(9)e(2).

6.1.1 Corrective Action Monitoring

In March 2025, semiannual corrective action monitoring for the Appendix I and detected Appendix II constituents was conducted at MW-12, MW-13, MW-16, MW-17, and MW-32. The SSIs identified for the assessment constituents in the upper bedrock corrective action monitoring locations are summarized in Table 12. No SSLs were identified for the assessment constituents in the upper bedrock corrective action monitoring locations.

Confidence intervals in corrective action mode or 90% confidence bands around linear trend lines were utilized to evaluate arsenic in MW-12, MW-13, MW-16, MW-17, and MW-32 (i.e., the corrective action constituents in these locations). As shown in Table 12, SSLs remained for arsenic in MW-12, MW-13, MW-16, MW-17, and MW-32. While compliance with the GWPS was not achieved, statistically significant decreasing trends were identified for arsenic in MW-12 and MW-17.

In accordance with Permit Amendment #6. the next five-year resampling for the full Appendix II list will be conducted at the corrective action monitoring locations in Fall 2025.

6.1.2 Background Monitoring

Semiannual background monitoring for the Appendix I and detected Appendix II constituents was conducted at MW-37 and MW-101A in March 2025. The next five-year resampling for the full Appendix II list will be conducted at the background monitoring locations in Fall 2025.

6.2 Deeper Bedrock Monitoring Locations

A summary of the Spring 2025 statistical evaluation results for the deeper bedrock system is presented in Table 13.

Table 13
Summary of the Spring 2025 Evaluation - Deeper Bedrock

Monitoring Location	Monitoring Program	Current Schedule [1,2] (Mar. 2025)	Current SSIs	Corrective Action Constituents		Retesting Parameter	Monitoring Program Changes
				Current SSLs [3]	Achieved Compliance with GWPS		
Downgradient Monitoring Locations							
MW-14	Corrective Action	Appendix II	1,1-Dichloroethane; 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Barium; Benzene; Chlorobenzene; Nickel; Zinc	Arsenic			
MW-33	Corrective Action	Appendix II	1,4-Dichlorobenzene; Barium; Chlorobenzene; Cobalt	Arsenic		Lead [4]	
Background Monitoring Locations							
MW-38	Background	Appendix II					
MW-101B	Background	Appendix II					
Delineation Monitoring Locations							
MW-109B	Delineation	Appendix I	1,4-Dichlorobenzene; Barium; Chlorobenzene; Nickel	Arsenic; Cobalt; Thallium			

[1] In accordance with Permit Amendment #16, annual monitoring at AW-6, CRL-9, MW-11, MW-15, MW-18, MW-19, MW-22, MW-25, MW-31, MW-36, MW-102B, MW-104B, MW-105B, MW-107B, and MW-108B is scheduled for Fall 2025. Therefore, these locations were not monitored in Mar. 2025.

[2] Appendix II locations were sampled for the Appendix I and detected Appendix II constituents in Mar. 20245. Resampling for the full Appendix II list at the corrective action and background monitoring wells is conducted every five years.

[3] Analyte/well pairs with SSLs over the GWPS identified during previous statistical evaluations and have not achieved compliance with the GWPS for three consecutive years in accordance with 567 IAC 113.10(9)e(2).

[4] MW-33 will be resampled for lead prior to the next semiannual event due to rejection during data validation.

6.2.1 Delineation Monitoring

In March 2025, semiannual delineation monitoring for the Appendix I list was conducted at MW-109B. The SSIs identified for the assessment constituents in MW-109B are summarized in Table 13. No SSLs were identified for the assessment constituents in deeper bedrock delineation monitoring location MW-109B.

Confidence intervals in corrective action mode or 90% confidence bands around linear trend lines were utilized to evaluate arsenic, cobalt, and thallium in MW-109B (i.e., the corrective action constituents in MW-109B). SSLs continued to be identified for these analyte/well pairs; therefore, compliance with the GWPS has not been achieved. While compliance with the GWPS was not achieved, a statistically significant decreasing trend was identified for cobalt and thallium in MW-109B.

Semiannual delineation monitoring for the Appendix I constituents will be conducted at MW-109B in Fall 2025. In Fall 2025, annual delineation monitoring will be conducted at MW-102B, MW-105B, and MW-107B for the Appendix I list, at MW-104B for arsenic, and at MW-108B for the Appendix I list without cobalt.

6.2.2 Corrective Action Monitoring

In March 2025, semiannual corrective action monitoring for the Appendix I and detected Appendix II constituents was conducted at MW-14 and MW-33. As noted in Section 2, the March 2025 lead result at MW-33 was rejected during data validation; therefore, lead in MW-33 was not evaluated in this statistical evaluation. The SSIs identified for the assessment constituents in the deeper bedrock corrective action monitoring locations are summarized in Table 13. No SSLs were identified for the assessment constituents in the deeper bedrock corrective action monitoring locations.

Confidence intervals in corrective action mode were utilized to evaluate arsenic in MW-14 and MW-33 (i.e., the corrective action constituents in these locations). As shown in Table 13, SSLs remained for arsenic in MW-14 and MW-33.

As noted in Section 2, lead in MW-33 was rejected during data analysis and recommended for resampling. Therefore, lead in MW-33 will be sampled prior to the next semiannual event. In accordance with Permit Amendment #6, the next five-year resampling for the full Appendix II list will be conducted at the corrective action monitoring locations in Fall 2025.

6.2.3 Background Monitoring

Semiannual background monitoring for the Appendix I and detected Appendix II constituents was conducted at MW-38 and MW-101B in March 2025. The next five-year resampling for the full Appendix II list will be conducted at the background monitoring locations in Fall 2025.

Attachment 1
Detailed Discussion of Statistical Methods

Foth

Memorandum

Statistical Methodology

1. Comparison to Background

For determining which parameters will need a formal statistical treatment, the Unified Guidance (USEPA, 2009) suggests splitting monitoring parameters into three distinct groups: a) reliable indicators selected for formal testing; b) other analytes which are monitored for general groundwater quality information but not statistically tested; and c) those meeting the "never-detected" criteria. Only those parameters with some historically detected presence in background need to be included in the first group and treated with a formal statistical test. Any parameter that has never been detected in background is eligible for the third group of "never-detected" constituents. Constituents with detections below the reporting limit (J-flagged data) will be considered "never-detected." As a means of evaluating the third group, the Unified Guidance suggests the Double Quantification Rule (DQR). The DQR is stated in the Unified Guidance as:

"A confirmed exceedance is registered if any well-constituent pair in the '100% non-detect' group exhibits quantified measurements [i.e., at or above the reporting limit (RL)] in two consecutive sample and resample events."

The Unified Guidance also recommends establishing background sample sizes as large as feasible. The guidance recognizes that small sample sizes in background can be "particularly" troublesome, especially in controlling statistical test false positive and negative rates. With parametric tests (such as parametric prediction limits), the false positive rate may be controlled, but at the expense of statistical power. With non-parametric tests (such as non-parametric prediction limits or the "quasi-statistical" DQR), the false positive rate may be unacceptably high. The Unified Guidance suggests that generally at least 8 to 10 separate background measurements be available, recognizing that statistical power continues to increase with larger sample sizes.

In reports prior to the *2011 Annual Water Quality Report* (Foth, 2012), the ANOVA and a "2x2 contingency table" methods were used to evaluate statistically significant increases (SSIs) over background. These methods met the criteria of 567 Iowa Administrative Code (IAC) 113.10(4)g and h. The ANOVA and "2x2 contingency table" methods were used to maximize the statistical power while minimizing potentially large false positive rates as a result of the smaller sample sizes.

Starting with the *2011 Annual Water Quality Report* (Foth, 2012), the statistical analysis methods utilized for comparison to background were the DQR and "1-of-3" interwell prediction limits as recommended in the Unified Guidance (USEPA, 2009). Note that a "1-of-2" retesting plan was not selected as it would have resulted in a 'low' effective statistical power level for the site based on USEPA reference power curves as defined in the Unified Guidance.

Starting with the Spring 2021 statistical evaluation, the interwell prediction limit retesting plan was modified to a "1-of-2" plan. With increases in the number of background samples, a "1-of-2" plan was able to achieve a 'good' effective statistical power level for the site based on the USEPA reference power curves.

Expansion of the Background Data Set

The background data set was modified in 2013 to add MW-101A and MW-101B to the upper bedrock and deeper bedrock background data sets, respectively. The statistical analysis methods continued the DQR and "1-of-2" interwell prediction limits as recommended in the Unified Guidance (USEPA, 2009), utilizing the pooled data from MW-37 and MW-101A for the upper bedrock system and MW-38 and MW-101B for the deeper bedrock system.

Double Quantification Rule

The DQR will be used to evaluate SSIs over background for the Appendix I and II constituents that were not detected above the reporting limit in the background data sets. An SSI will be indicated for any well-constituent pair with quantified measurements at or above the reporting limit noted for two consecutive sample and resample events. If applicable, the resample will be collected prior to next semiannual sampling event.

Interwell Prediction Limits

Interwell prediction limits will be used to statistically evaluate SSIs over background for the Appendix I and II constituents which have been detected above the reporting limit in the background data set. A "1-of-2" retesting plan will be utilized on individual sample results. The 1-of-2 retesting plan as defined in the Unified Guidance concludes that an SSI has occurred when two out of two sample results exceed the prediction limit, while no SSI is concluded if 1-of-2 are below the limit. If applicable, the resample will be collected prior to next semiannual sampling event. The prediction limit for each constituent will be recalculated semiannually.

For interwell constituents with less than or equal to 50% detects in the background data set, a non-parametric prediction limit will be utilized. The non-parametric prediction limit will be taken as the maximum order statistic (maximum value) of the background data.

For interwell constituents with greater than 50% detects in the background data set, normality assumptions will be verified using the Shapiro-Wilk normality test. If the background data is not normally distributed, a non-parametric prediction limit will be utilized (as described in the paragraph above). If the background data is normally distributed or can be fit to a normal distribution utilizing a normalizing transformation, then a normal-based parametric prediction limit will be applied.

When considering a lognormal prediction limit, a comparison will be made to the maximum order statistic for the background data set. Lognormal prediction limits can be sensitive to smaller departures from lognormality. That is, if data are not truly lognormal, but also not rejected as lognormal, the prediction limit may be inflated because of the transformation. In choosing a lognormal limit, in addition to the percent detections and lognormal goodness of fit criteria, an additional convention will be applied. If the lognormal limit exceeds the level of twice the maximum background concentration, it is assumed that the lognormal model does not adequately fit the background distribution and a non-parametric prediction limit will be selected.

For interwell constituents with 50% to 85% detects in the background data set, Kaplan-Meier estimation will be applied to manage statistical bias introduced by non-detects. For interwell constituents with over 85% detects in the background data set, half the reporting limit will be used for non-detect data. These estimation methods follow Unified Guidance recommendations and are given in detail in Unified Guidance Chapter 15 (USEPA, 2009).

The parametric prediction limit will be calculated as:

$$PL = \bar{x} + k \cdot s$$

where $\bar{x}$ is the sample mean of the August 2008 through current event background data, *s* is the sample standard deviation, and *k* is the multiplier obtained from the Unified Guidance Table 19-1 (USEPA, 2009) for 1-of-2 interwell prediction limits on observations. In determining *k*, the number of constituents of concern (COCs) for formal statistical evaluation along with the number of downgradient wells need to be identified. Per the basic subdivision discussion presented in Section 19.2.1 of the Unified Guidance, along with the discussion regarding the use of the appendix tables for parametric retesting plans given on pages 19-13 through 19-15 of the Unified Guidance (USEPA, 2009), the *k*-multiplier is chosen based on the number of constituents, wells, and evaluations performed annually. When an exact well and COC configuration is not given in the appendix tables, the *k*-multiplier is linearly interpolated as described on page 19-14 of the Unified Guidance (USEPA, 2009).

Sanitas® v10.0. software (Sanitas Technologies) will be used to check distributional assumptions, perform Kaplan-Meier in the case of 50% to 85% detects in the background data set, and calculate the *k*-multipliers and subsequent prediction limits.

Intrawell Prediction Limits

Intrawell prediction limits are calculated in a similar manner to that described above for the interwell case. A main difference between the two methods is the intrawell limit is calculated from a collection of background measurements within the compliance well. A minimum of eight compliance well background samples will be used when calculating the limit.

A second difference is for the parametric prediction limit, in which the *k*-multiplier is modified from the interwell case, as given in Appendix D Tables 19-10 through 19-18 of the Unified Guidance (USEPA, 2009).

Updating intrawell background is performed periodically. The Unified Guidance (Section 5.3.2) recommends that 4 to 8 new compliance observations be collected prior to updating the background dataset. The guidance also states that "a potential update is predicated on there being no statistically significant increase [SSI] recorded for that well constituent, including since the last update." A two-sample t-test or Wilcoxon rank-sum test between existing intrawell background data and the potential set of newer background data is performed, and a non-significant result (α = 0.05) implies that the newer compliance data can be re-classified as background measurements.

For Wilcoxon rank-sum tests, non-detect results cannot be ranked with certainty and the problem is compounded with multiple PQLs and/or J-flagged values (USEPA, 2009). In comparisons where a substantial fraction of non-detect and/or J-flagged measurements or changing PQLs occur, professional judgment will be utilized for evaluating significant differences between the existing intrawell background data and the potential newer set of background data. Consideration will be given to whether significant differences are due to artificial variation introduced by censored data.

2. Comparison to Groundwater Protection Standard – Assessment Monitoring

According to 567 IAC 113.10(6)f and g, under the assessment monitoring program Appendix II results which have been determined to be statistically above background are also statistically compared to the GWPS. If "Appendix II constituents are detected at statistically significant levels above the GWPS" a notice is placed in the operating record and characterization is begun.

Under 567 IAC 113.10(6)h, the GWPS is the maximum contaminant level (MCL) promulgated under Section 1412 of the Safe Drinking Water Act in 40 Code of Federal Regulations (CFR) Part 141. If no MCL exists, or if background concentrations are higher than the MCL, the GWPS is defined as background. Also, per 567 IAC 113.10(6)i, an alternative GWPS may be established by the department for constituents for which there is no MCL such as the "health-based concentrations that comply with the statewide standards for groundwater established pursuant to 567 IAC Chapter 137."

When the GWPS is background concentrations, the statistical methods discussed in the above "1. Comparison to Background" are used. When the GWPS is the MCL or an alternative health-based concentration, per the Unified Guidance (USEPA, 2009), "confidence intervals are the recommended general statistical strategy in compliance/assessment or corrective action monitoring." In the case of normally distributed data, a normal-based parametric confidence interval is used. If the data are not normally distributed a non-parametric confidence interval on the median is used. A lower 99% confidence limit falling above the GWPS implies that concentrations are detected at statistically significant levels above the GWPS with an α-level of 0.01, which is the minimum RCRA regulatory limit from §264.97(i)(2) for an individual test false positive error rate.

The Unified Guidance recognizes that statistical power is also of prime concern to USEPA and that there "should be a high probability that the statistical test will positively identify concentrations that have exceeded a fixed regulatory standard." In compliance/assessment monitoring, instead of pre-specifying the false positive rate prior to computing confidence interval limits, the Unified Guidance suggests the desired level of power (1-β) should be set as an initial target.

For compliance/assessment monitoring purposes, the Unified Guidance (Chapter 22) suggests evaluating increases in the true concentration mean of 1.5 and 2.0 times a fixed standard. (This is similar in concept to the critical power targets in detection monitoring, i.e., 55-60% power at 3σ above background and 80-85% power at 4σ over background). As a general guide, the Unified Guidance suggests there should be at least 70-80% statistical power for detecting increases of 2 times a fixed standard. Specifically, the Unified Guidance recommends there be 50% power of detecting increases in the true concentration mean of 1.5 times a fixed standard (risk ratio of 1.5) and 80% power of detecting increases in the true concentration mean of 2.0 times a fixed standard (risk ratio of 2.0).

To meet these levels of statistical power, α is chosen based on either Unified Guidance Equation 22.1:

$$1 - \beta = G_{T,n-1}\left(t_{1-\alpha,n-1}\middle|\Delta - \sqrt{n}(R-1)\right);$$

where R is the desired risk ratio, $t_{(1-\alpha,n-1)}$ is the $(1-\alpha)$ Student's t-quantile with ($n-1$) degrees of freedom and *G* represents the cumulative non-central t-distribution with ($n-1$) degrees of freedom and noncentrality parameter Δ;

or Unified Guidance Equation 22.2:

$$\alpha \sim 1 - F_{T,n-1}\left(\frac{(R-1)\sqrt{n}}{R \cdot \widehat{CV}} - t_{1-\beta,n-1}\right);$$

where R is the desired risk ratio, n is the sample size, CV is the estimated sample coefficient of variation, $t_{(1-\beta,n-1)}$ is the $(1-\beta)$ Student's t-quantile with (n−1) degrees of freedom, and *F* is the cumulative (central) Student's t-distribution function.

The first equation (Unified Guidance Equation 22.1) assumes a coefficient of variation (CV) =1. This version is used if only poorer estimates of the true CV are available. In practice, a convention has been adopted with the statistical updates to utilize Unified Guidance Equation 22.2 in all cases where a parametric confidence interval is calculated and use Unified Guidance Equation 22.1 when non-parametric confidence intervals are calculated. Since a non-parametric confidence interval is based on the median, it is not as sensitive to departures from normality, and the assumption of a CV=1 in Unified Guidance Equation 22.1 should provide a conservative estimate.

Since 0.01 is the minimum RCRA regulatory limit for α, it is never set lower than this. Conversely, the Unified Guidance recognizes the "difficulty of simultaneously attaining the recommended level of power while controlling the false positive rate, especially for small sample sizes and highly variable data." The Unified Guidance suggests a maximum false positive rate of α=0.2 is a reasonable upper bound.

Finally, like the need for defining a SWFPR under detection monitoring, the Unified Guidance (Chapter 7) recognizes there may be concern about the "use of relatively high individual test-wise false positive rates (α) in order to meet a pre-specified power, especially when considering the cumulative false positive error rate across multiple wells and/or constituents." However, "the Unified Guidance considers computation of cumulative SWFPRs in compliance/assessment testing to be problematic, and reliance on individual test false positive rates preferable." Notwithstanding, if several confidence limit calculations are compared to the GWPS with high α-levels, caution should be taken in the interpretation.

For calculation of confidence intervals, Sanitas® v10.0 software is again used to check distributional assumptions, perform Kaplan-Meier estimation in the case of 50% to 85% detects, and calculate either parametric or nonparametric confidence limits.

3. Comparison to Groundwater Protection Standard – Corrective Action Monitoring

As stated above, if "Appendix II constituents are detected at statistically significant levels above the GWPS" a notice is placed in the operating record and characterization is begun. Owners or operators are required to initiate an assessment of corrective measures, select a remedy, and implement a remedy in accordance with 567 IAC 113.10(7), (8), and (9). For remedy completion in accordance with 567 IAC 113.10(9)e(2), compliance with the GWPS is considered achieved by demonstrating that concentrations of Appendix II constituents have not exceeded the GWPS

for a period of three consecutive years or an alternate length of time established by the Department.

Starting with the Fall 2019 statistical evaluation, individual analyte/well pairs may return to assessment constituents (at the corrective action monitoring location) once compliance with the GWPS has been achieved for a period of 3 years. Note that monitoring wells will not move out of the corrective action monitoring program until all Appendix II constituents have achieved compliance with the GWPS for a period of three consecutive years.

Confidence Intervals in Corrective Action Mode

In the case of the GWPS being a fixed standard as either the 40 CFR Part 141 Safe Drinking Water Act MCL or the 567 IAC Chapter 137 Statewide Standard for a Protected Groundwater Source, "confidence intervals are the recommended general statistical strategy in compliance/assessment or corrective action monitoring" (USEPA, 2009). However, a primary difference between confidence intervals as used under assessment monitoring and confidence intervals used under corrective action is reversal of the null hypothesis. As detailed in Section 7.2 of the Unified Guidance (USEPA, 2009), the hypothesis testing structure under assessment monitoring is to presume compliance point concentrations do not to exceed the fixed standard unless sampling data indicates otherwise. As a formal statistical hypothesis, this is written as:

$$H_0: \Theta \leq G \quad \text{vs.} \quad H_A: \Theta > G$$

In corrective action mode, the hypothesis is reversed. Namely, compliance point concentrations are presumed to exceed the fixed standard and evidence must be presented to demonstrate regulatory compliance. In the case of corrective action, the statistical hypothesis is written as:

$$H_0: \Theta > G \quad \text{vs.} \quad H_A: \Theta \leq G$$

For testing under assessment monitoring, a lower confidence limit (LCL) is compared to the compliance standard *G*. If the LCL is larger than the standard *G*, it is concluded that the compliance standard has been violated.

However, under corrective action monitoring, the upper confidence limit (UCL) is compared to the compliance standard G. In this case, the UCL should lie below the standard to accept the alternative hypothesis that concentration levels are in compliance.

The UCL α-level under corrective action monitoring is set so that a high degree of confidence is achieved in declaring successful remediation. Per the Unified Guidance (Section 7.4.2) "USEPA's overriding concern in corrective action is that remediation efforts are not declared successful without sufficient statistical proof." The Unified Guidance "recommends the use of a reasonably low, fixed test-wide false positive rate (e.g., α = 0.05 or 0.10)." In this case, α = 0.10 corresponds to a 90% UCL.

GWPS as Background

Pursuant to 567 IAC 113.10(6)h, when background concentrations of an analyte exceed the applicable MCL or 567 IAC Statewide Standard for a Protected Groundwater Source, the GWPS is the background concentration. In this case, the GWPS is not a fixed standard but based on a distribution of background sample results.

Section 7.5 of the Unified Guidance (USEPA, 2009) details statistical hypothesis testing under corrective action when the GWPS is background. The Unified Guidance offers two alternative statistical approaches to hypothesis testing in this case. These alternatives are as follows:

A. The first represents a *two-sample* test of two distinct populations, namely the compliance well to background populations. Similar to the statistical tests used under detection and assessment monitoring, with this alternative under corrective action, the Unified Guidance states that "one highly recommended statistical test approach is a prediction limit." The Unified Guidance also states, "whatever the critical value for a selected background test, it becomes the GWPS under compliance/assessment or corrective action monitoring." Further, "the only allowable hypothesis test structure for the two-sample approach follows that of detection and compliance monitoring. Once exceeded and in corrective action, a return to compliance is through evidence that future samples lie below the GWPS using the same hypothesis structure." Therefore, with this approach in corrective action, prediction limits are calculated similarly as in assessment monitoring. Compliance well concentrations below a prediction limit indicate a return to concentrations below the background GWPS.

B. The second involves computation of a fixed statistic from the background data as the GWPS. The Unified Guidance recommendation in this case is to define a fixed GWPS based on a background upper tolerance limit with 95% confidence and 95% coverage. This is designed to be a "reasonable maximum on the likely range of background concentrations." This upper tolerance limit based on background data is then used as a fixed standard in statistical comparisons with 90% or 95% UCLs from compliance wells as discussed previously. Also, with the UCL method, the null hypothesis is reversed from that of assessment monitoring, assuming contamination is above the GWPS. A UCL falling below the background GWPS offers evidence of a return to concentrations below the GWPS. The Unified Guidance refers to this approach as a *single-sample* testing method, since the compliance well population is tested against a defined fixed standard.

The Unified Guidance discusses tradeoffs between the two approaches and does not necessarily prescribe either approach over the other. The Unified Guidance suggests that both approaches may be used, where "the background GWPS would be a range based on the two testing methods rather than a single value."

Normality

For calculation of confidence intervals, Sanitas® v10.0 software is again used to check distributional assumptions, perform Kaplan-Meier estimation in the case of 50% to 85% detects, and calculate either parametric or nonparametric confidence limits. "Corrective Action Mode" is selected for this analysis.

Non-Corrective Action Constituents

As recommended in the Unified Guidance (USEPA, 2009), confidence intervals in corrective action mode will be utilized to evaluate only constituents and monitoring locations with previously identified SSLs over the GWPS. Other compliance constituents (i.e., those without SSLs over the GWPS during prior statistical evaluations) will continue to be evaluated using the "1. Comparison to Background" and "2. Comparison to Groundwater Protection Standard – Assessment Monitoring" methods described above.

Note: The Unified Guidance (USEPA, 2009) states: “it should be recognized that once corrective action or remediation activities are initiated, there will be a considerable time during which the GWPS may still be exceeded. As provided in the RCRA regulations, it is at the conclusion of remediation activities that formal corrective action monitoring evaluation is appropriate. However, in the intervening period of remedial activity, well constituents can still be monitored, and the relative efficacy of remediation measures tracked. The same corrective action hypothesis can be assumed for the targeted constituents; techniques such as trend testing may be appropriate interim applications.” Given the statement above and the intentions of 567 IAC 113.10(6)g, as soon as an SSL is identified for an assessment monitoring constituent/location, then the next statistical evaluation will utilize corrective action monitoring (confidence intervals in corrective action mode).

Data Concentration Shifts During Corrective Action

Confidence intervals assume that the population is stable over time. As a result, confidence intervals may not accurately represent the current well concentrations if increasing or decreasing trends are observed (i.e., during a release or under active remediation). Per the Unified Guidance (USEPA, 2009), lower or upper confidence limits constructed on accumulated data may be overly wide (due to high sample variability caused by combining pre- and post-shift data) and may not be reflective of more recent upward/downward shifts in the contaminant distribution.

Alternative procedures may be applied to data sets with shifting distributions. For example, where trends tests are significant, pre-shift data may be removed from the well/parameter data set for the purposes of constructing the confidence interval. “The reduction in sample size will often be more than offset by the gain in statistical power. More recent measurements may exhibit less variation around the shifted mean value, resulting in a shorter confidence interval” (USEPA, 2009).

Another alternative is to construct confidence bands around the trend line to track progress towards exceeding or meeting a fixed standard. As suggested in the Unified Guidance (Chapter 22), if a trend is present, a 90% confidence band (upper 95% confidence limit) is placed on the linear trend line. If the upper 95% confidence limit on the trend line falls below the GWPS, the well is found to have reduced to levels statistically below the GWPS.

As the discussed in the Unified Guidance, “inferences concerning a linear regression are generally appropriate when two conditions hold: 1) the residuals from the regression are approximately normal or at least reasonably symmetric in distribution; and 2) a plot of residuals versus concentrations indicates a scatter cloud of essentially uniform vertical thickness or width.” These conditions are assessed through normal probability plots of the regression residuals and plots of residuals against the predicted concentrations.

Data Adjustments Due to Exiting Corrective Action

When analyte/well pairs exit corrective action and return to assessment constituents, the hypothesis testing structure is reversed again. In corrective action mode, compliance point concentrations were presumed to exceed the GWPS, and evidence must be presented to demonstrated regulatory compliance (i.e., UCLs below the GWPS for three consecutive years). With the return to assessment constituents, analyte/well pairs have demonstrated regulatory compliance. The hypothesis testing structure reverts to the assessment monitoring structure where compliance point concentrations are presumed to not exceed the GWPS unless sampling

data indicates otherwise (i.e., LCL is above the GWPS). With this reversion in hypothesis, the focus shifts to evaluating concentration changes in the analyte/well pair that would indicate an increase over the GWPS and re-trigger corrective action. For constituents with historical SSLs, earlier concentrations that had previously triggered corrective action are no longer providing useful information regarding the current assessment monitoring hypothesis. Retaining the historical data during the timeframe in which the GWPS was exceeded will result in the regression or confidence interval methods being slower to respond to new increases. As a result, the historical data prior to when statistical compliance with the GWPS was first achieved will be removed when analyte/well pairs exit corrective action and return to assessment constituents.

Attachment 2
Sanitas Report Output for Prediction Limit Calculations

Upper Bedrock

Interwell Prediction Limit [1]

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Corrective Action Monitoring Locations - Assessment Constituents													
Antimony (mg/L)	MW-12	0.00739	3/25/2025	0.00132J	No	54	n/a	n/a	83	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-13	0.00739	3/26/2025	0.001ND	No	54	n/a	n/a	83	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-16	0.00739	3/27/2025	0.001ND	No	54	n/a	n/a	83	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-17	0.00739	3/27/2025	0.001ND	No	54	n/a	n/a	83	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-32	0.00739	3/25/2025	0.001ND	No	54	n/a	n/a	83	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Barium (mg/L)	MW-12	0.1354	3/25/2025	0.851	Yes	51	-3.036	0.4486	0	None	ln(x)	0.000252	Param Inter 1 of 2
Barium (mg/L)	MW-13	0.1354	3/26/2025	0.846	Yes	51	-3.036	0.4486	0	None	ln(x)	0.000252	Param Inter 1 of 2
Barium (mg/L)	MW-16	0.1354	3/27/2025	0.112	No	51	-3.036	0.4486	0	None	ln(x)	0.000252	Param Inter 1 of 2
Barium (mg/L)	MW-17	0.1354	3/27/2025	0.103	No	51	-3.036	0.4486	0	None	ln(x)	0.000252	Param Inter 1 of 2
Barium (mg/L)	MW-32	0.1354	3/25/2025	0.748	Yes	51	-3.036	0.4486	0	None	ln(x)	0.000252	Param Inter 1 of 2
Cobalt (mg/L)	MW-12	0.008	3/25/2025	0.00177	No	42	n/a	n/a	31	n/a	n/a	0.0009937	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-13	0.008	3/26/2025	0.00178	No	42	n/a	n/a	31	n/a	n/a	0.0009937	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-16	0.008	3/27/2025	0.000832	No	42	n/a	n/a	31	n/a	n/a	0.0009937	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-17	0.008	3/27/2025	0.0072	No	42	n/a	n/a	31	n/a	n/a	0.0009937	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-32	0.008	3/25/2025	0.00549	No	42	n/a	n/a	31	n/a	n/a	0.0009937	NP Inter (normality) 1 of 2
Copper (mg/L)	MW-12	0.0225	3/25/2025	0.0025ND	No	54	n/a	n/a	94	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-13	0.0225	3/26/2025	0.0025ND	No	54	n/a	n/a	94	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-16	0.0225	3/27/2025	0.0025ND	No	54	n/a	n/a	94	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-17	0.0225	3/27/2025	0.0025ND	No	54	n/a	n/a	94	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-32	0.0225	3/25/2025	0.0025ND	No	54	n/a	n/a	94	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-12	0.00695	3/25/2025	0.00025ND	No	53	n/a	n/a	79	n/a	n/a	0.0006492	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-13	0.00695	3/26/2025	0.00025ND	No	53	n/a	n/a	79	n/a	n/a	0.0006492	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-16	0.00695	3/27/2025	0.00025ND	No	53	n/a	n/a	79	n/a	n/a	0.0006492	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-17	0.00695	3/27/2025	0.00025ND	No	53	n/a	n/a	79	n/a	n/a	0.0006492	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-32	0.00695	3/25/2025	0.00025ND	No	53	n/a	n/a	79	n/a	n/a	0.0006492	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-12	0.0522	3/25/2025	0.0118	No	54	n/a	n/a	57	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-13	0.0522	3/26/2025	0.0119	No	54	n/a	n/a	57	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-16	0.0522	3/27/2025	0.0391	No	54	n/a	n/a	57	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-17	0.0522	3/27/2025	0.0105	No	54	n/a	n/a	57	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-32	0.0522	3/25/2025	0.0847	Yes	54	n/a	n/a	57	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-12	0.152	3/25/2025	0.0025ND	No	56	n/a	n/a	96	n/a	n/a	0.000588	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-32	0.152	3/25/2025	0.0025ND	No	56	n/a	n/a	96	n/a	n/a	0.000588	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-12	0.0805	3/25/2025	0.01ND	No	56	n/a	n/a	88	n/a	n/a	0.000588	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-13	0.0805	3/26/2025	0.01ND	No	56	n/a	n/a	88	n/a	n/a	0.000588	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-16	0.0805	3/27/2025	0.0227	No	56	n/a	n/a	88	n/a	n/a	0.000588	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-17	0.0805	3/27/2025	0.01ND	No	56	n/a	n/a	88	n/a	n/a	0.000588	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-32	0.0805	3/25/2025	0.01ND	No	56	n/a	n/a	88	n/a	n/a	0.000588	NP Inter (NDs) 1 of 2

[1] Interwell prediction limit data consists of the detected Appendix I and II parameters in the combined MW-37 and MW-101A data set. Note that background data set adjustments were incorporated in accordance with Section 3.1 of the Spring 2025 Statistical Evaluation memo.

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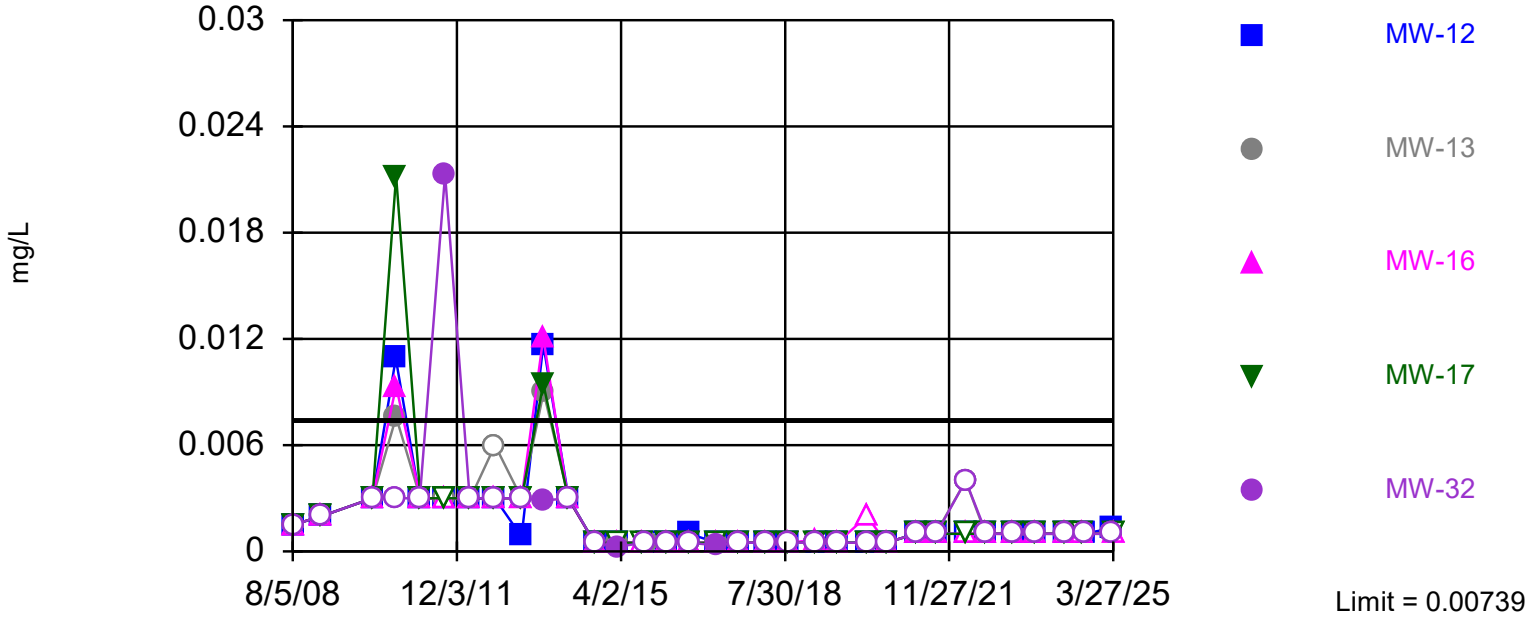
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 54 background values. 83.33% NDs. Annual per-constituent alpha = 0.02362. Individual comparison alpha = 0.0006288 (1 of 2).

Constituent: Antimony Analysis Run 5/19/2025 9:48 AM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

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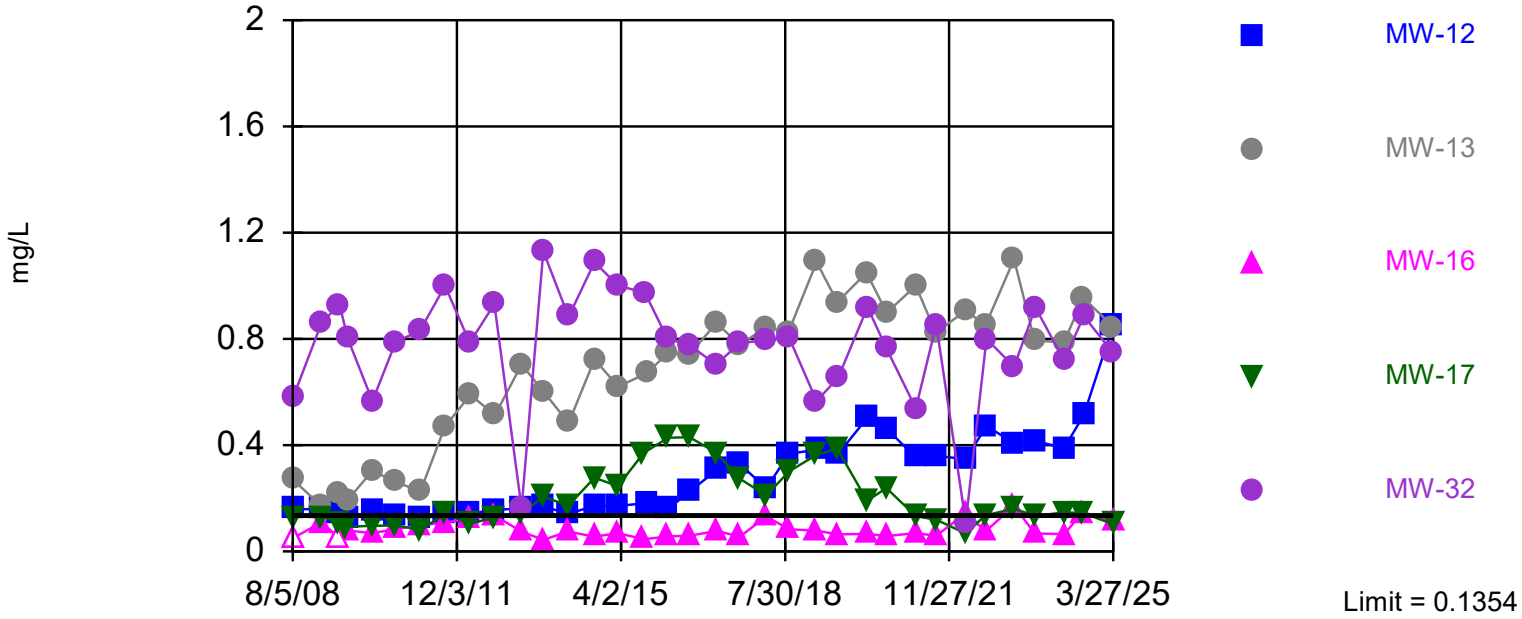
Hollow symbols indicate censored values.

Exceeds Limit: MW-12, MW-13, MW-32

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-3.036, Std. Dev.=0.4486, n=51. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9384, critical = 0.935. Kappa = 2.31 (c=11, w=38, 1 of 2, event alpha = 0.1). Report alpha = 0.009533. Individual comparison alpha = 0.000252.

Constituent: Barium Analysis Run 5/19/2025 9:48 AM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

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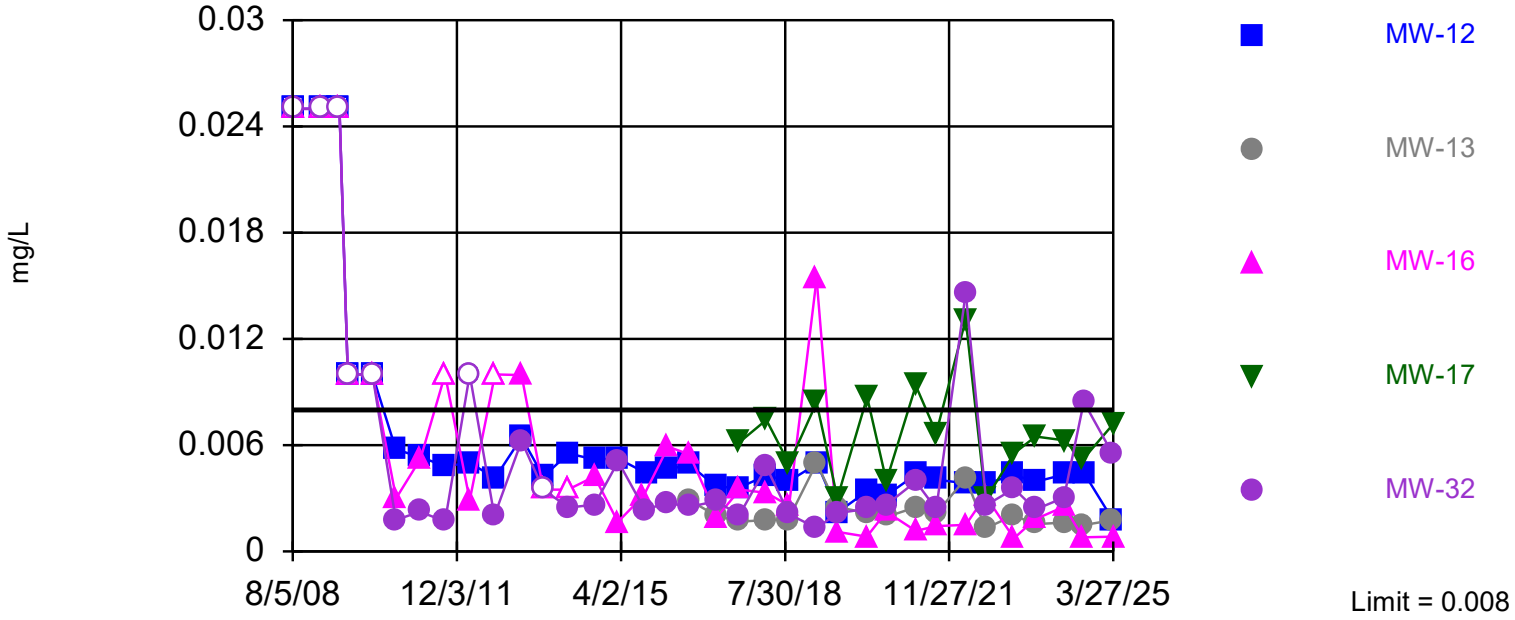
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 42 background values. 30.95% NDs. Annual per-constituent alpha = 0.03708. Individual comparison alpha = 0.0009937 (1 of 2).

Constituent: Cobalt Analysis Run 5/19/2025 9:48 AM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

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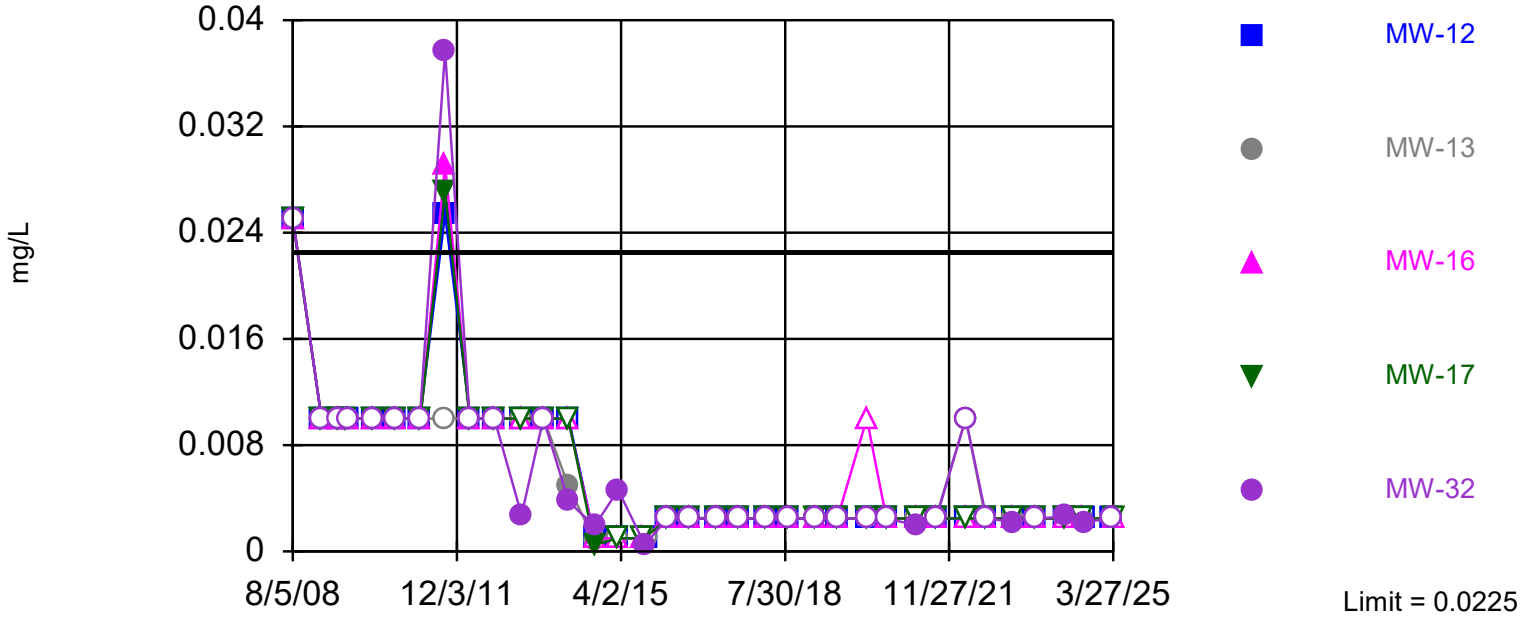
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring
Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 54 background values. 94.44% NDs. Annual per-constituent alpha = 0.02362. Individual comparison alpha = 0.0006288 (1 of 2).

Constituent: Copper Analysis Run 5/19/2025 9:48 AM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

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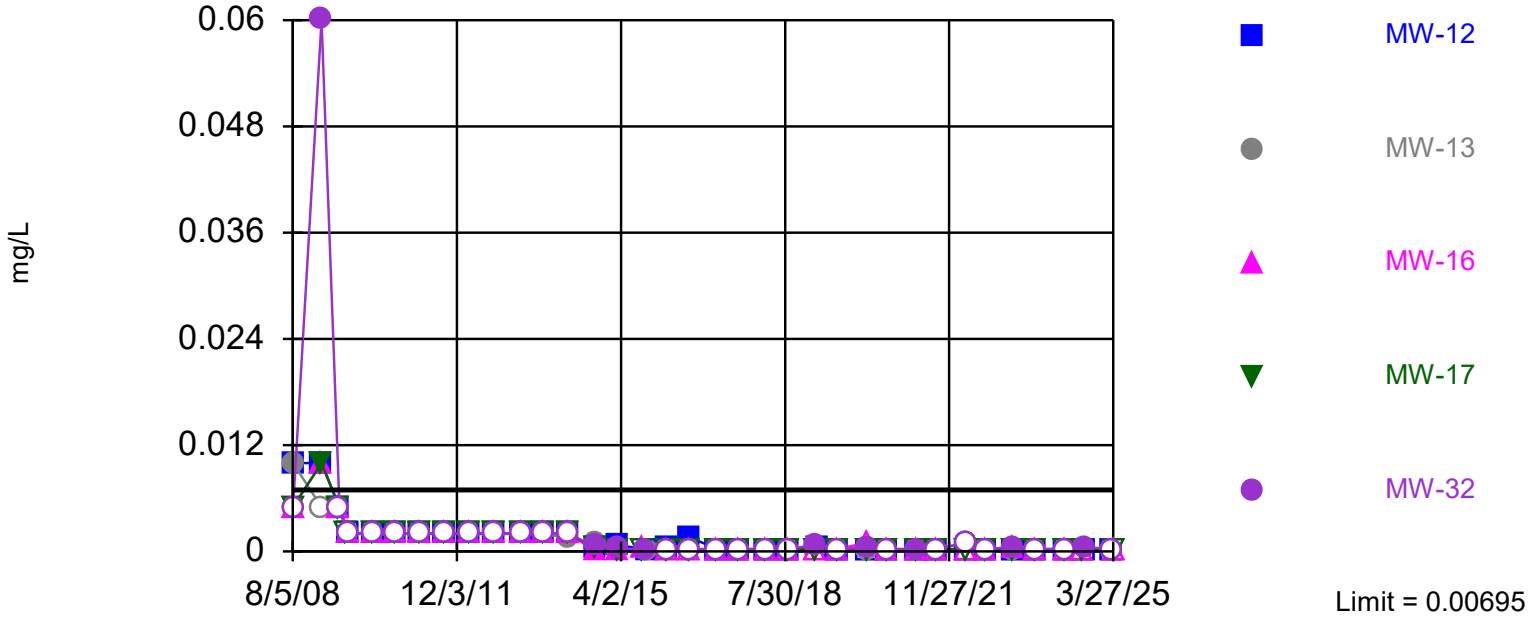
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 53 background values. 79.25% NDs. Annual per-constituent alpha = 0.02438. Individual comparison alpha = 0.0006492 (1 of 2).

Constituent: Lead Analysis Run 5/19/2025 9:48 AM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

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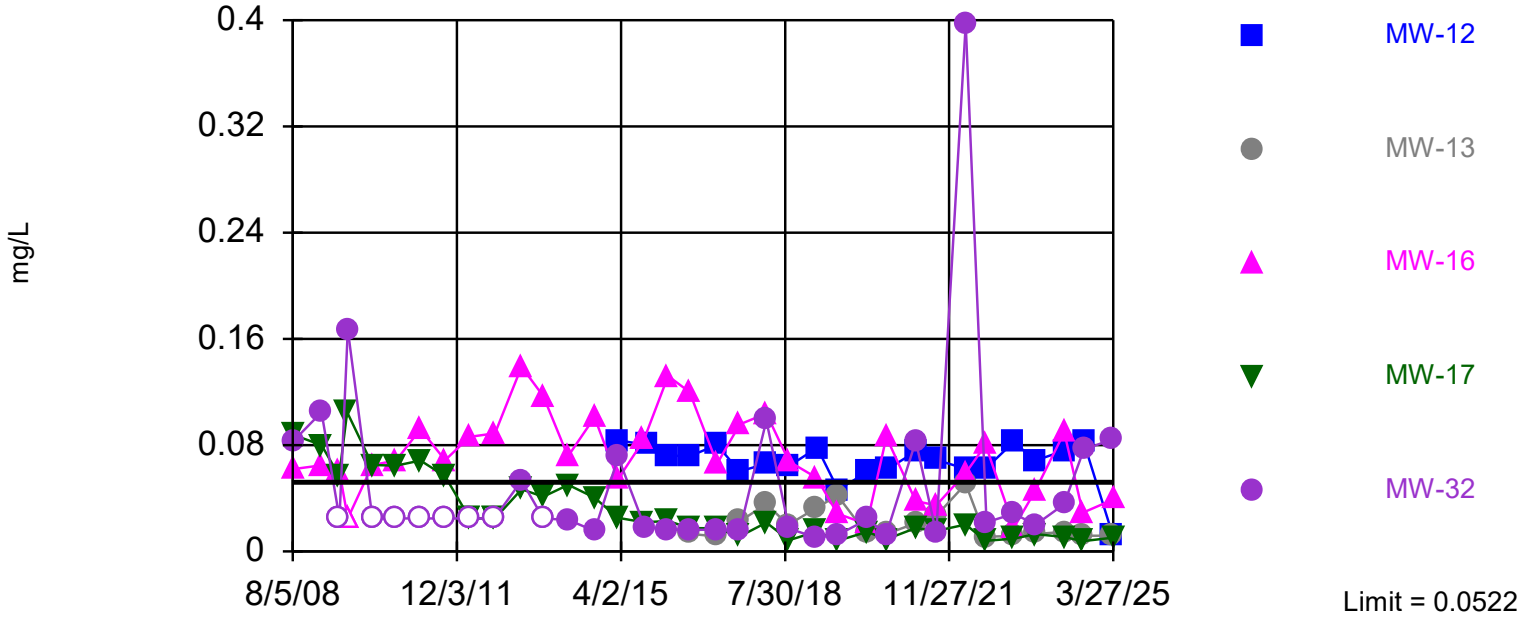
Hollow symbols indicate censored values.

Exceeds Limit: MW-32

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 54 background values. 57.41% NDs. Annual per-constituent alpha = 0.02362. Individual comparison alpha = 0.0006288 (1 of 2).

Constituent: Nickel Analysis Run 5/19/2025 9:48 AM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

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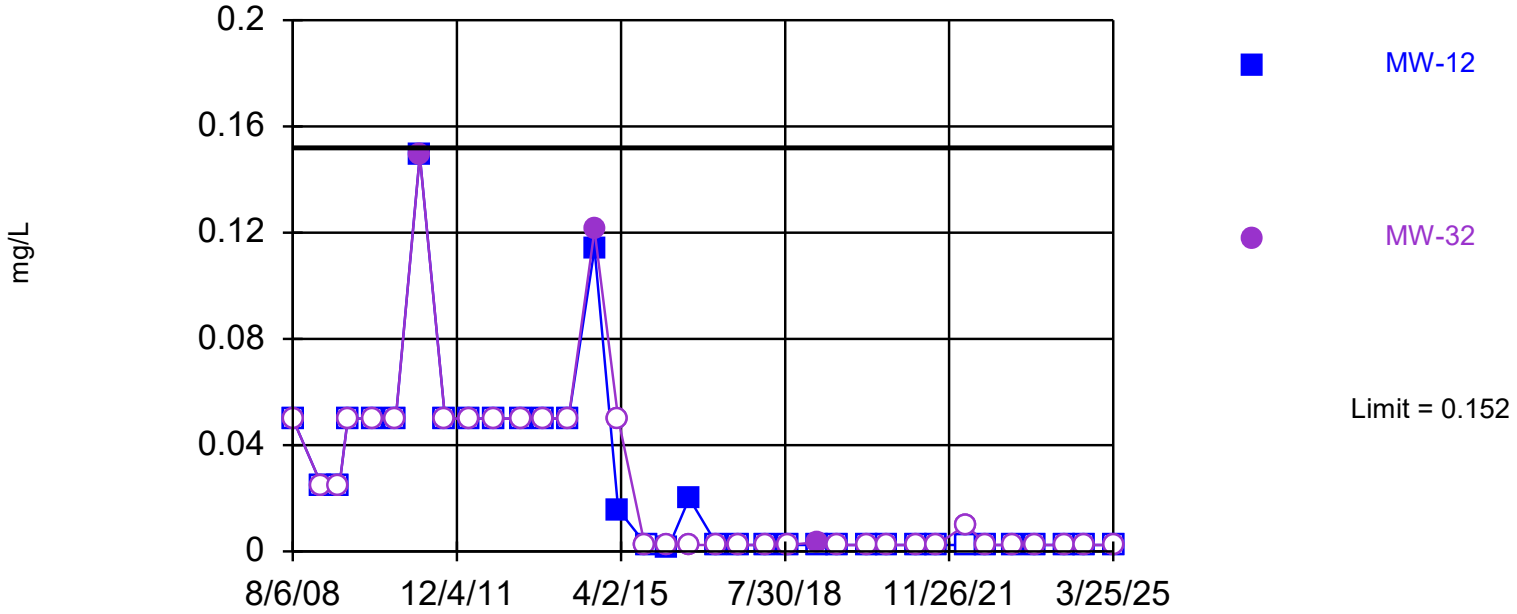
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring
Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 96.43% NDs. Annual per-constituent alpha = 0.0221. Individual comparison alpha = 0.000588 (1 of 2).

Constituent: Tin Analysis Run 5/19/2025 9:48 AM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

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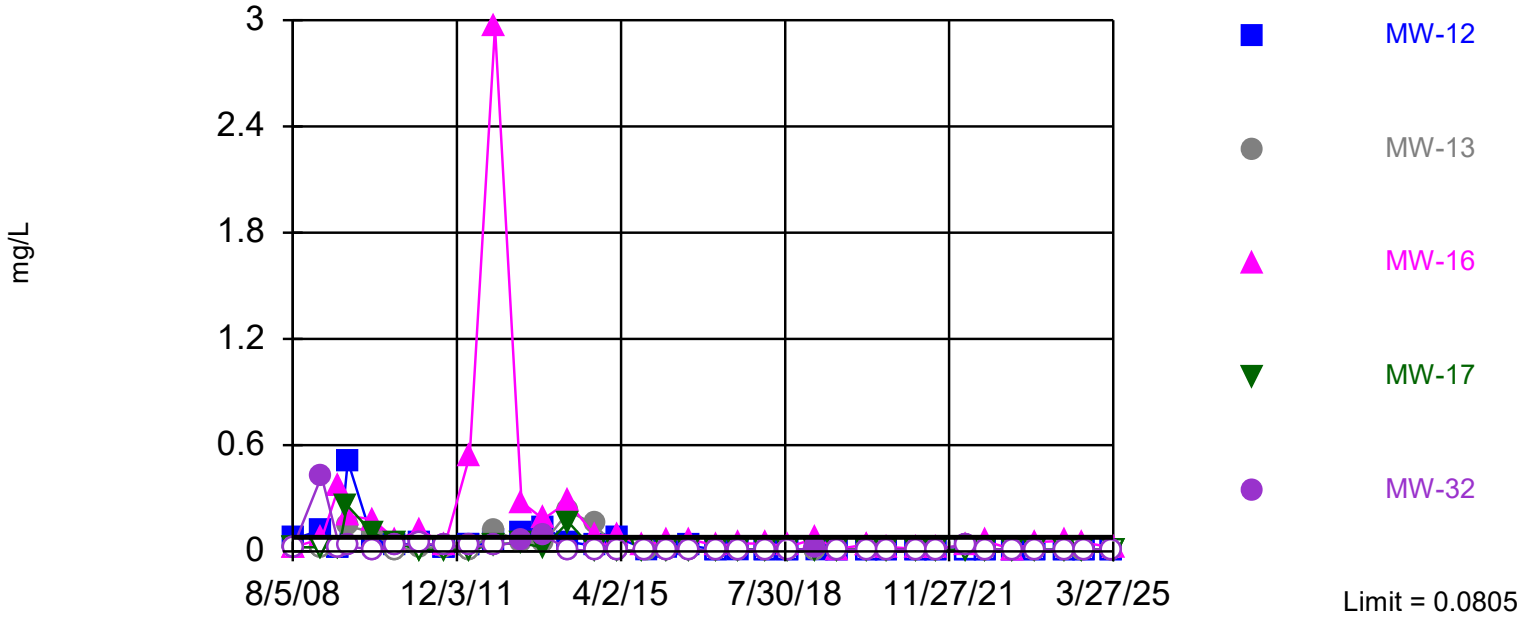
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 87.5% NDs. Annual per-constituent alpha = 0.0221. Individual comparison alpha = 0.000588 (1 of 2).

Constituent: Zinc Analysis Run 5/19/2025 9:48 AM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

Deeper Bedrock

Interwell Prediction Limit [1]

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Delineation Monitoring Locations - Assessment Constituents													
Antimony (mg/L)	MW-109B	0.0101	3/26/2025	0.001ND	No	53	n/a	n/a	96	n/a	n/a	0.0006492	NP Inter (NDs) 1 of 2
Barium (mg/L)	MW-109B	0.138	3/26/2025	0.613	Yes	51	n/a	n/a	0	n/a	n/a	0.0006901	NP Inter (normality) 1 of 2
Cadmium (mg/L)	MW-109B	0.000824	3/26/2025	0.0001ND	No	52	n/a	n/a	98	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-109B	0.0108	3/26/2025	0.0025ND	No	54	n/a	n/a	98	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-109B	0.00735	3/26/2025	0.0315	Yes	42	n/a	n/a	55	n/a	n/a	0.0009937	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-109B	0.0366	3/26/2025	0.01ND	No	55	n/a	n/a	91	n/a	n/a	0.0006084	NP Inter (NDs) 1 of 2
Corrective Action Monitoring Locations - Assessment Constituents													
Antimony (mg/L)	MW-14	0.0101	3/26/2025	0.001ND	No	53	n/a	n/a	96	n/a	n/a	0.0006492	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-33	0.0101	3/25/2025	0.001ND	No	53	n/a	n/a	96	n/a	n/a	0.0006492	NP Inter (NDs) 1 of 2
Barium (mg/L)	MW-14	0.138	3/26/2025	0.539	Yes	51	n/a	n/a	0	n/a	n/a	0.0006901	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-33	0.138	3/25/2025	0.615	Yes	51	n/a	n/a	0	n/a	n/a	0.0006901	NP Inter (normality) 1 of 2
bis[2-Ethylhexyl]phthalate (ug/L)	MW-33	25.4	3/25/2025	5.1ND	No	55	n/a	n/a	93	n/a	n/a	0.0006084	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-14	0.000824	3/26/2025	0.0001ND	No	52	n/a	n/a	98	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-33	0.000824	3/25/2025	0.0001ND	No	52	n/a	n/a	98	n/a	n/a	0.0006697	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-14	0.0008513	3/26/2025	0.000538	No	42	-8.332	0.5385	19	Kaplan-Meier	ln(x)	0.000252	Param Inter 1 of 2
Cobalt (mg/L)	MW-33	0.0008513	3/25/2025	0.0013	Yes	42	-8.332	0.5385	19	Kaplan-Meier	ln(x)	0.000252	Param Inter 1 of 2
Copper (mg/L)	MW-14	0.0108	3/26/2025	0.0025ND	No	54	n/a	n/a	98	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-33	0.0108	3/25/2025	0.0025ND	No	54	n/a	n/a	98	n/a	n/a	0.0006288	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-14	0.00735	3/26/2025	0.0138	Yes	42	n/a	n/a	55	n/a	n/a	0.0009937	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-33	0.00735	3/25/2025	0.00696	No	42	n/a	n/a	55	n/a	n/a	0.0009937	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-33	0.109	3/25/2025	0.0025ND	No	55	n/a	n/a	95	n/a	n/a	0.0006084	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-14	0.0366	3/26/2025	0.197	Yes	55	n/a	n/a	91	n/a	n/a	0.0006084	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-33	0.0366	3/25/2025	0.01ND	No	55	n/a	n/a	91	n/a	n/a	0.0006084	NP Inter (NDs) 1 of 2

[1] Interwell prediction limit data consists of the detected Appendix I and II parameters in the combined MW-38 and MW-101B data set. Note that background data set adjustments were incorporated in accordance with Section 3.1 of the Spring 2025 Statistical Evaluation memo.

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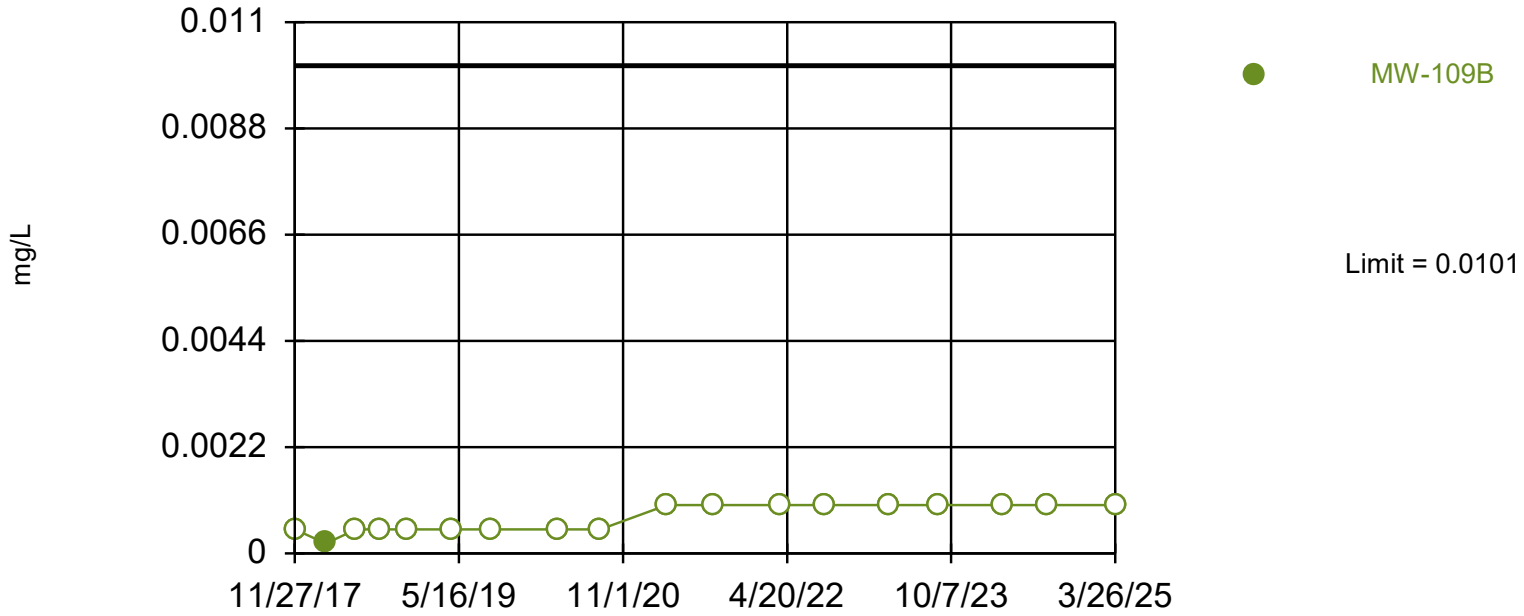
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Delineation Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 53 background values. 96.23% NDs. Annual per-constituent alpha = 0.02438. Individual comparison alpha = 0.0006492 (1 of 2).

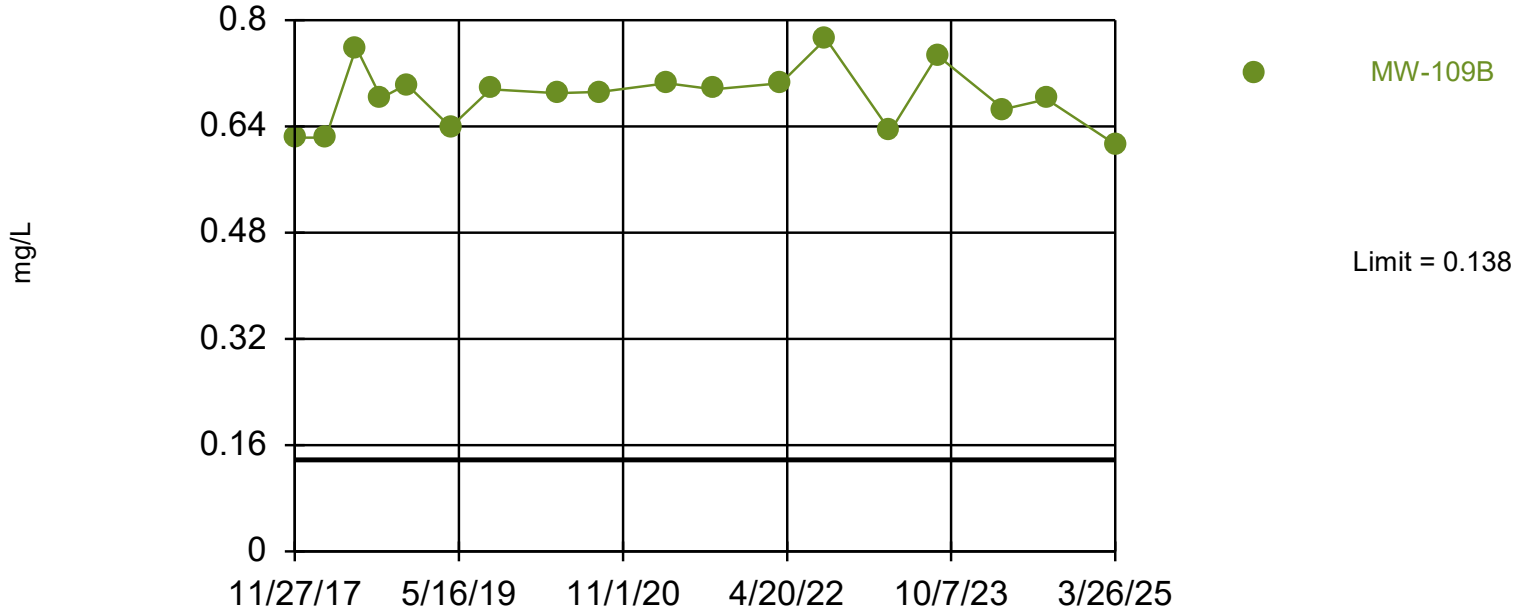
Constituent: Antimony Analysis Run 5/19/2025 11:56 AM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

Exceeds Limit: MW-109B

Prediction Limit - Delineation Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 51 background values. Annual per-constituent alpha = 0.02589. Individual comparison alpha = 0.0006901 (1 of 2).

Constituent: Barium Analysis Run 5/19/2025 11:56 AM

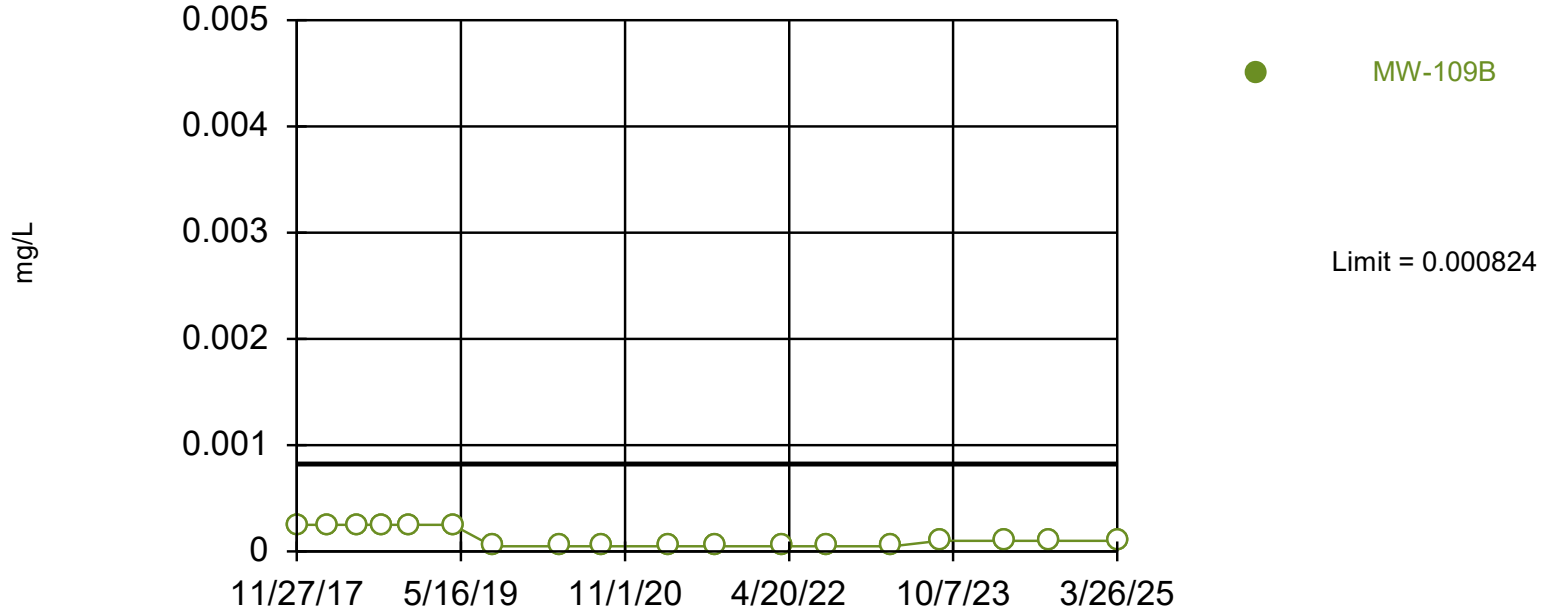
Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

Sanitas™ v.10.0.27 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Delineation Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 52 background values. 98.08% NDs. Annual per-constituent alpha = 0.02514. Individual comparison alpha = 0.0006697 (1 of 2).

Constituent: Cadmium Analysis Run 5/19/2025 11:56 AM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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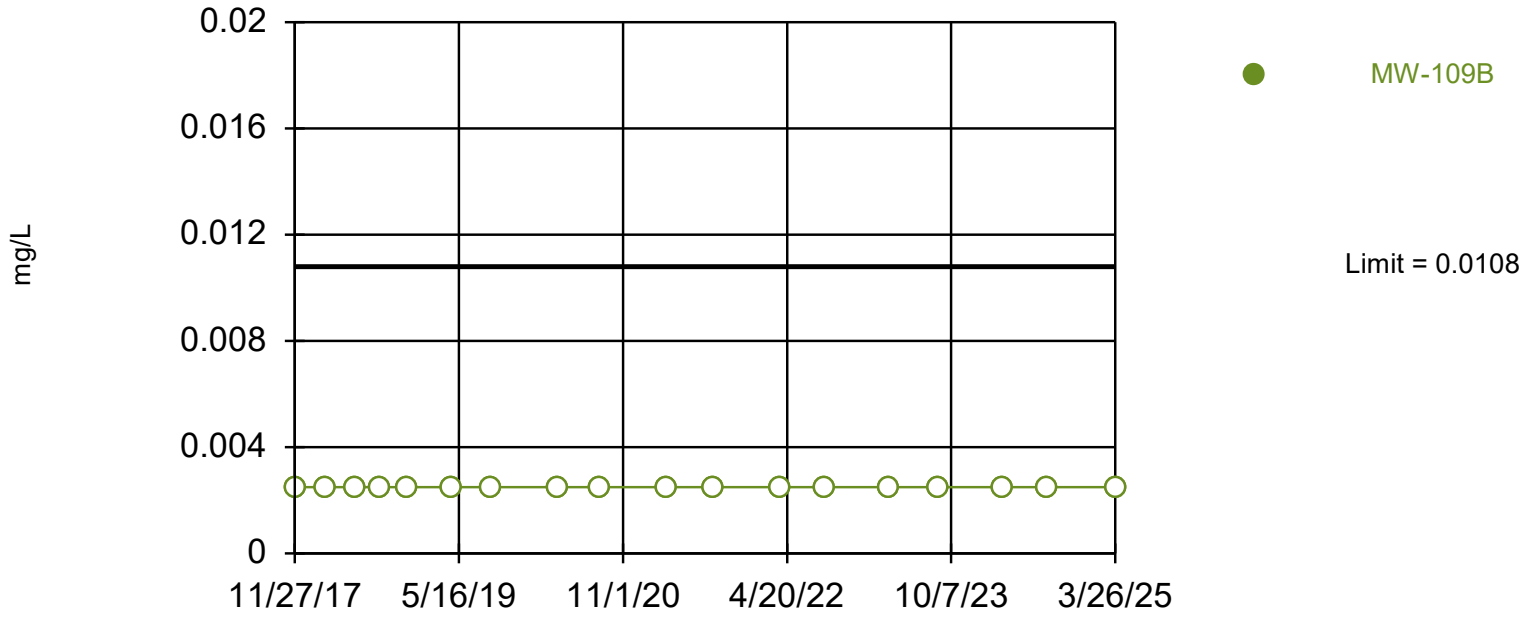
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Delineation Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 54 background values. 98.15% NDs. Annual per-constituent alpha = 0.02362. Individual comparison alpha = 0.0006288 (1 of 2).

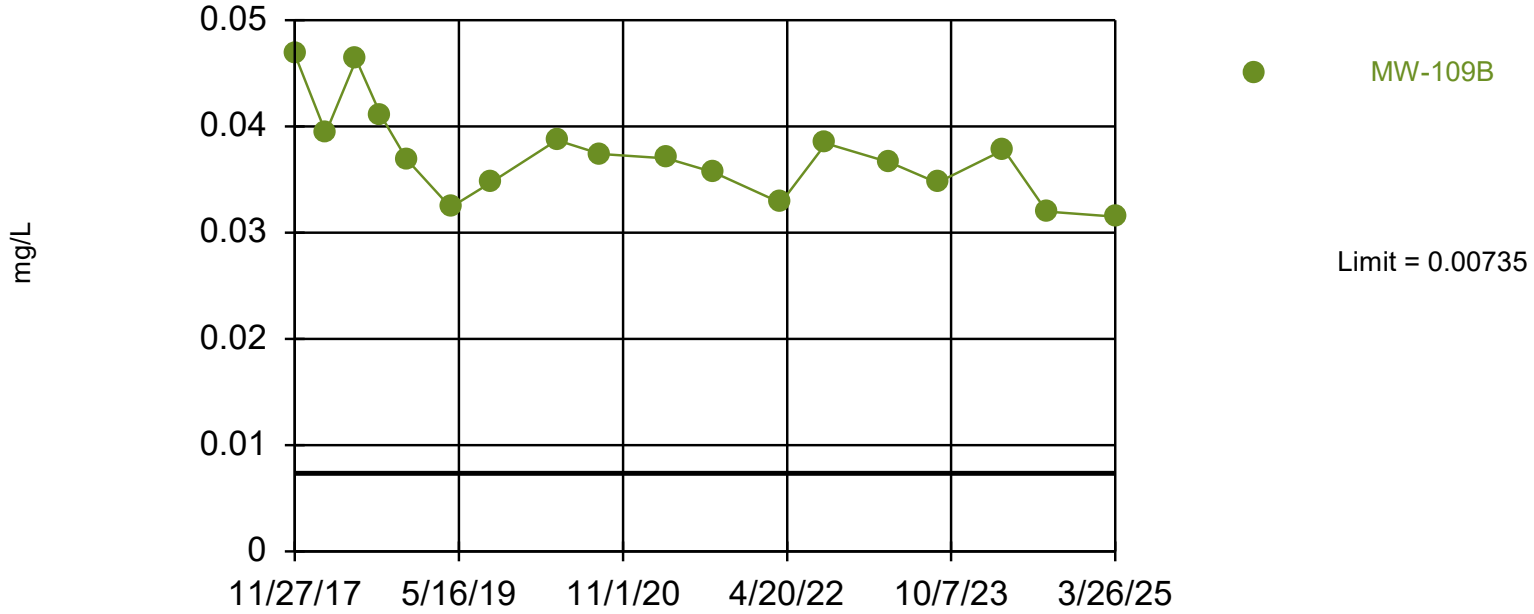
Constituent: Copper Analysis Run 5/19/2025 11:56 AM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

Exceeds Limit: MW-109B

Prediction Limit - Delineation Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 42 background values. 54.76% NDs. Annual per-constituent alpha = 0.03708. Individual comparison alpha = 0.0009937 (1 of 2).

Constituent: Nickel Analysis Run 5/19/2025 11:56 AM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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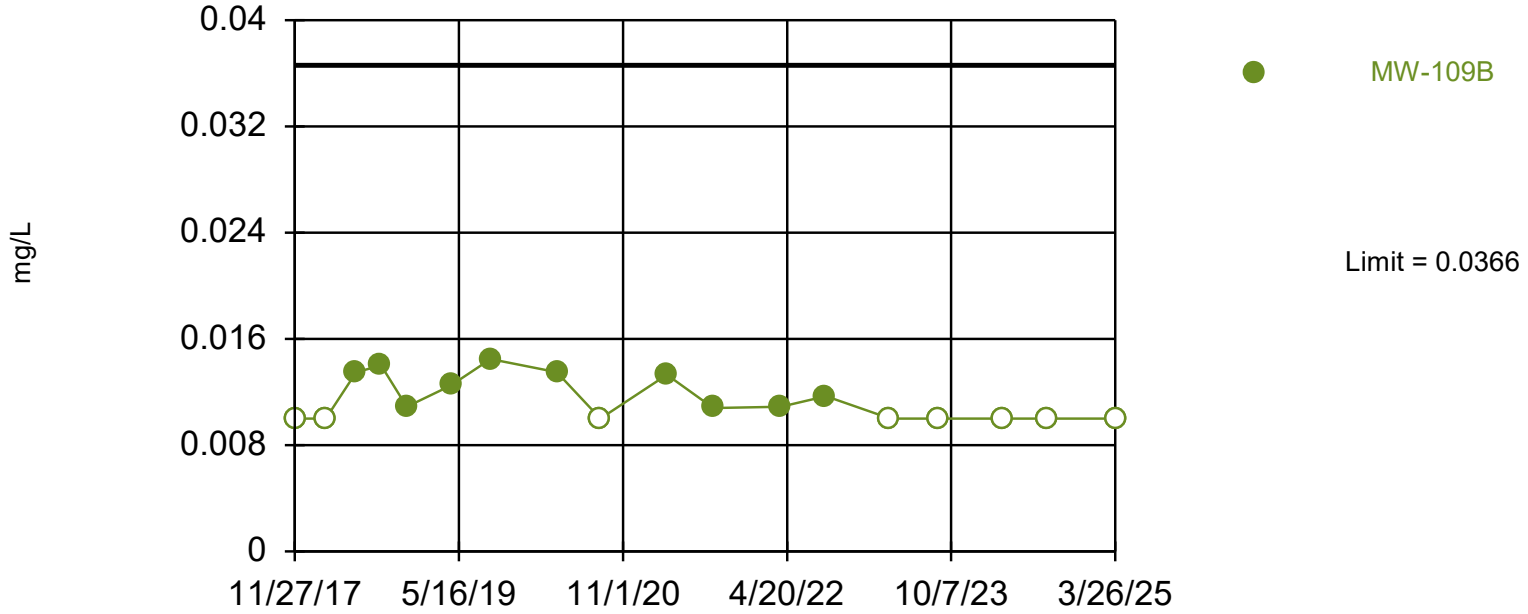
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Delineation Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 55 background values. 90.91% NDs. Annual per-constituent alpha = 0.02286. Individual comparison alpha = 0.0006084 (1 of 2).

Constituent: Zinc Analysis Run 5/19/2025 11:56 AM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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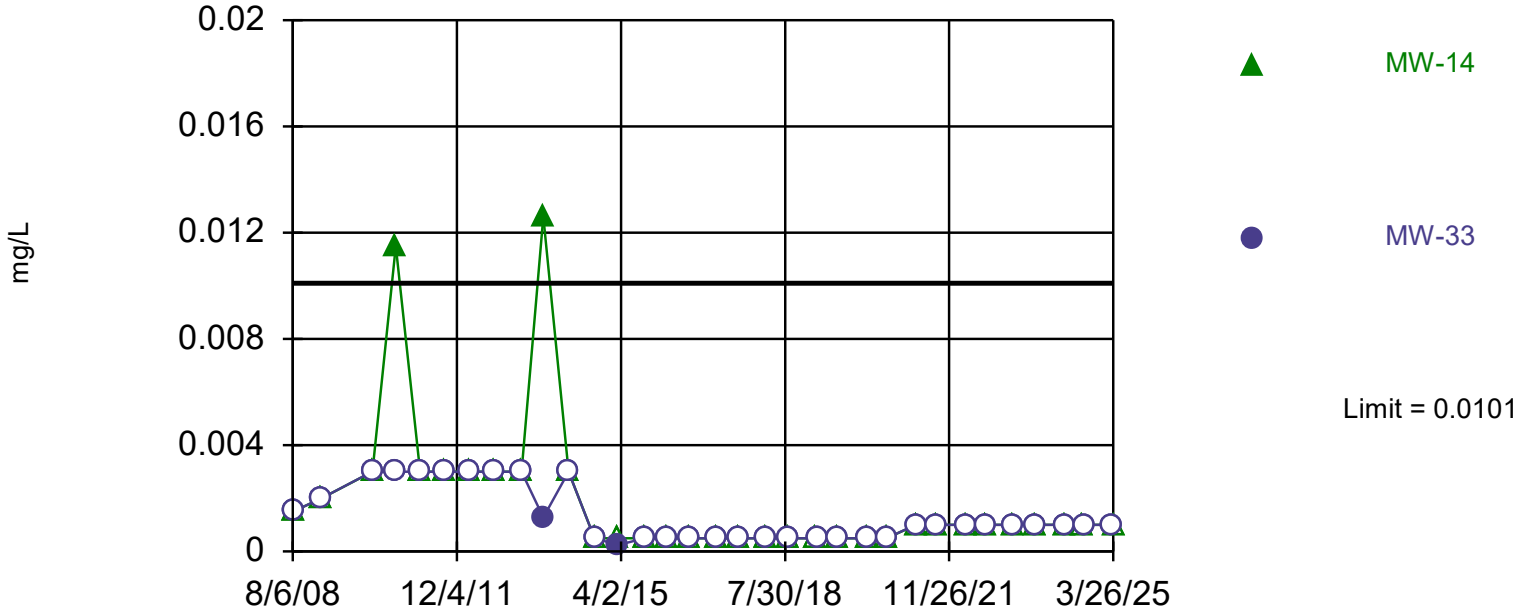
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 53 background values. 96.23% NDs. Annual per-constituent alpha = 0.02438. Individual comparison alpha = 0.0006492 (1 of 2).

Constituent: Antimony Analysis Run 5/19/2025 12:05 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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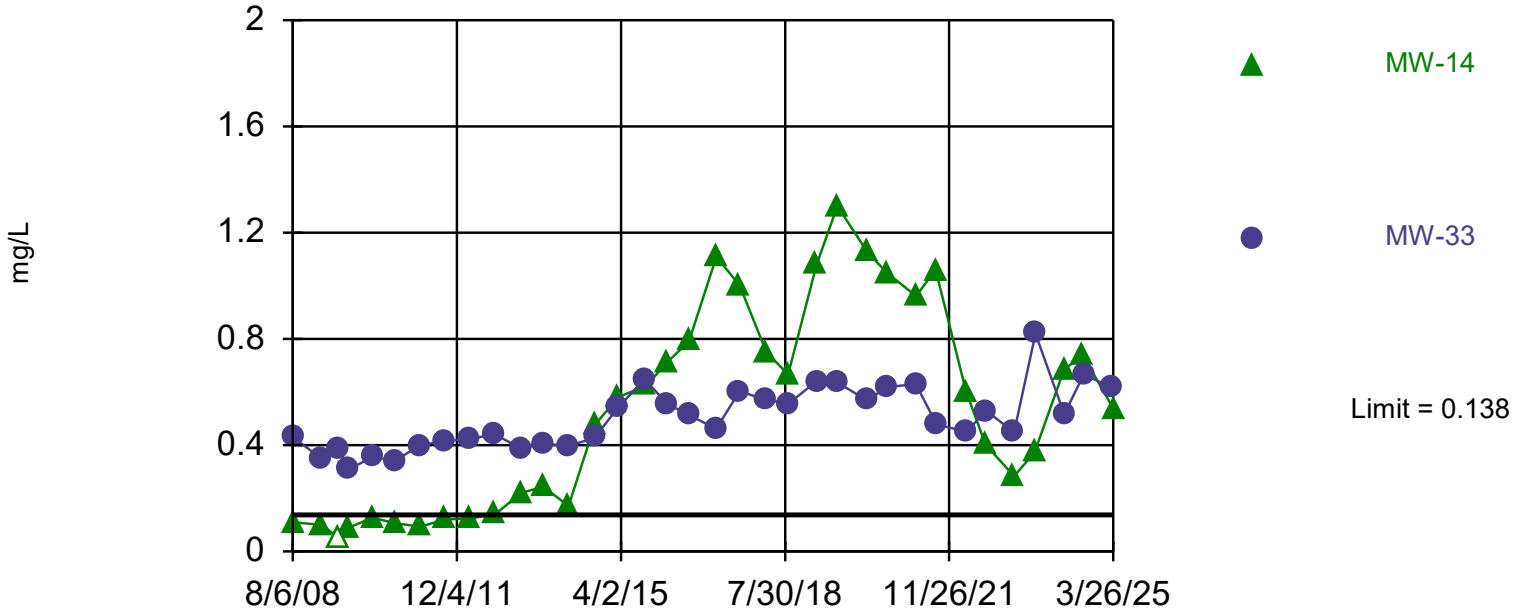
Hollow symbols indicate censored values.

Exceeds Limit: MW-14, MW-33

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 51 background values. Annual per-constituent alpha = 0.02589. Individual comparison alpha = 0.0006901 (1 of 2).

Constituent: Barium Analysis Run 5/19/2025 12:05 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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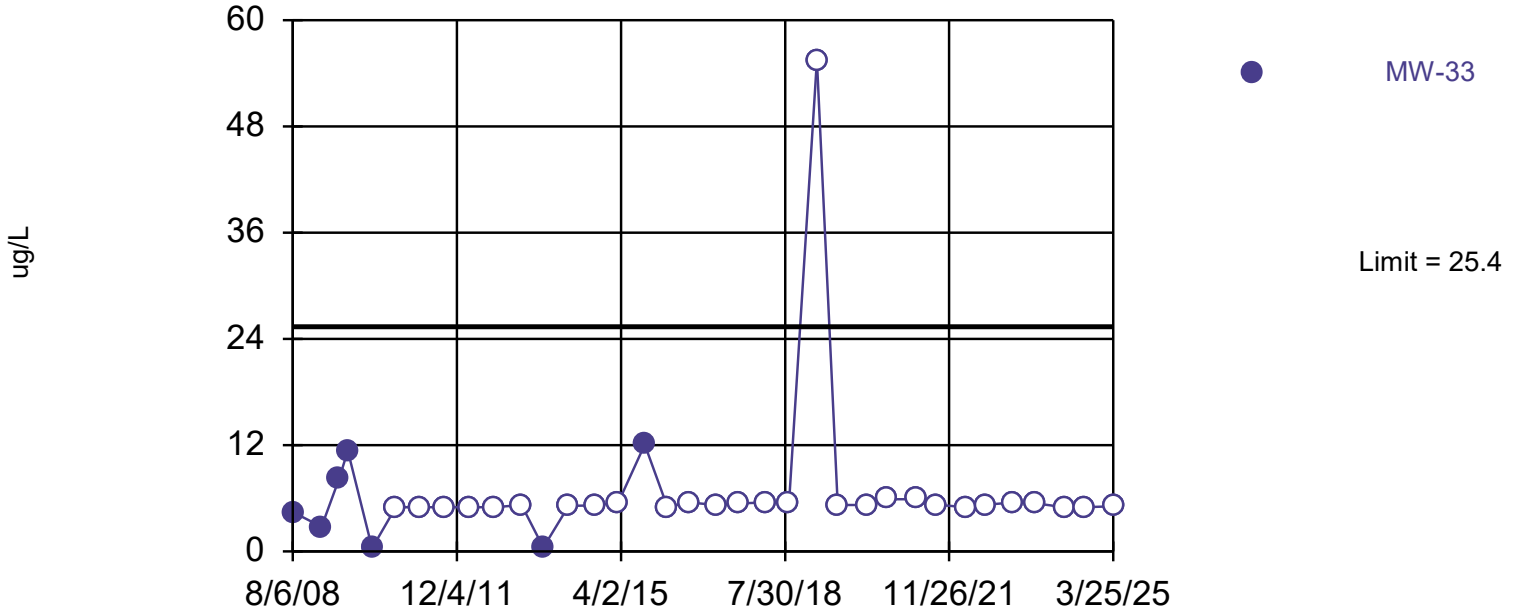
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring
Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 55 background values. 92.73% NDs. Annual per-constituent alpha = 0.02286. Individual comparison alpha = 0.0006084 (1 of 2).

Constituent: bis[2-Ethylhexyl]phthalate Analysis Run 5/19/2025 12:05 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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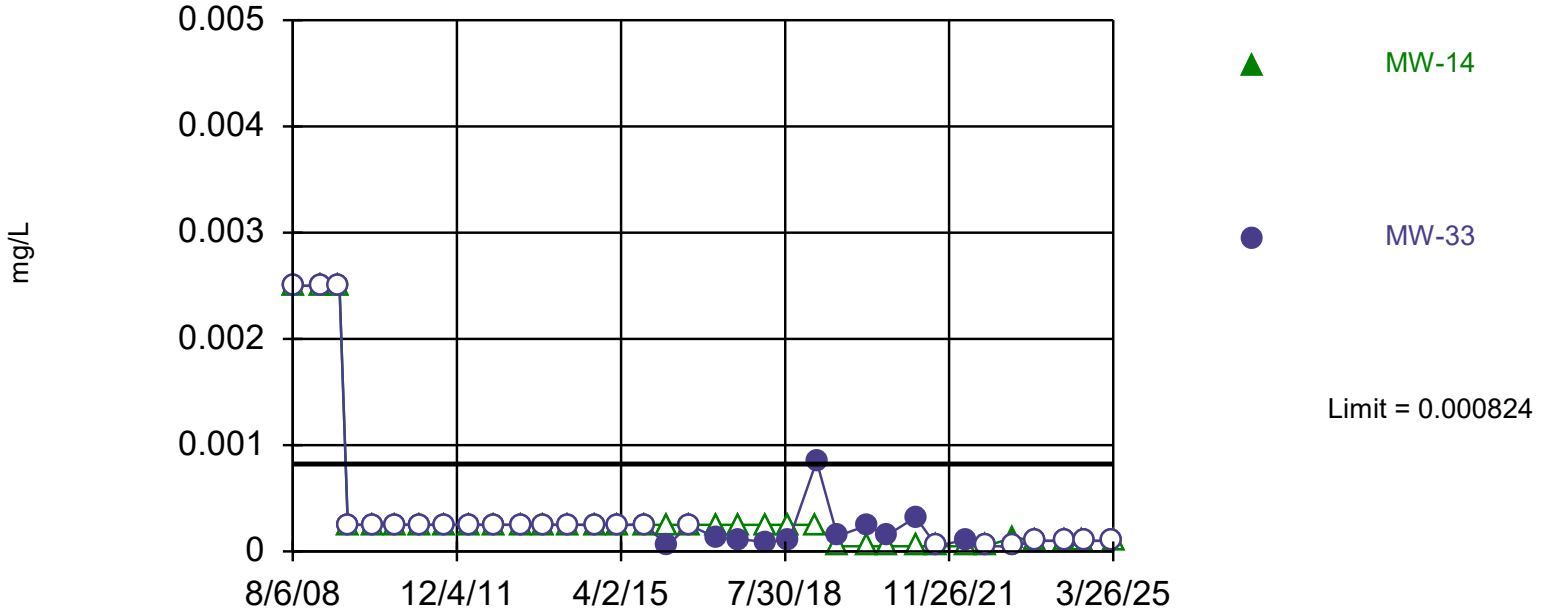
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring
Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 52 background values. 98.08% NDs. Annual per-constituent alpha = 0.02514. Individual comparison alpha = 0.0006697 (1 of 2).

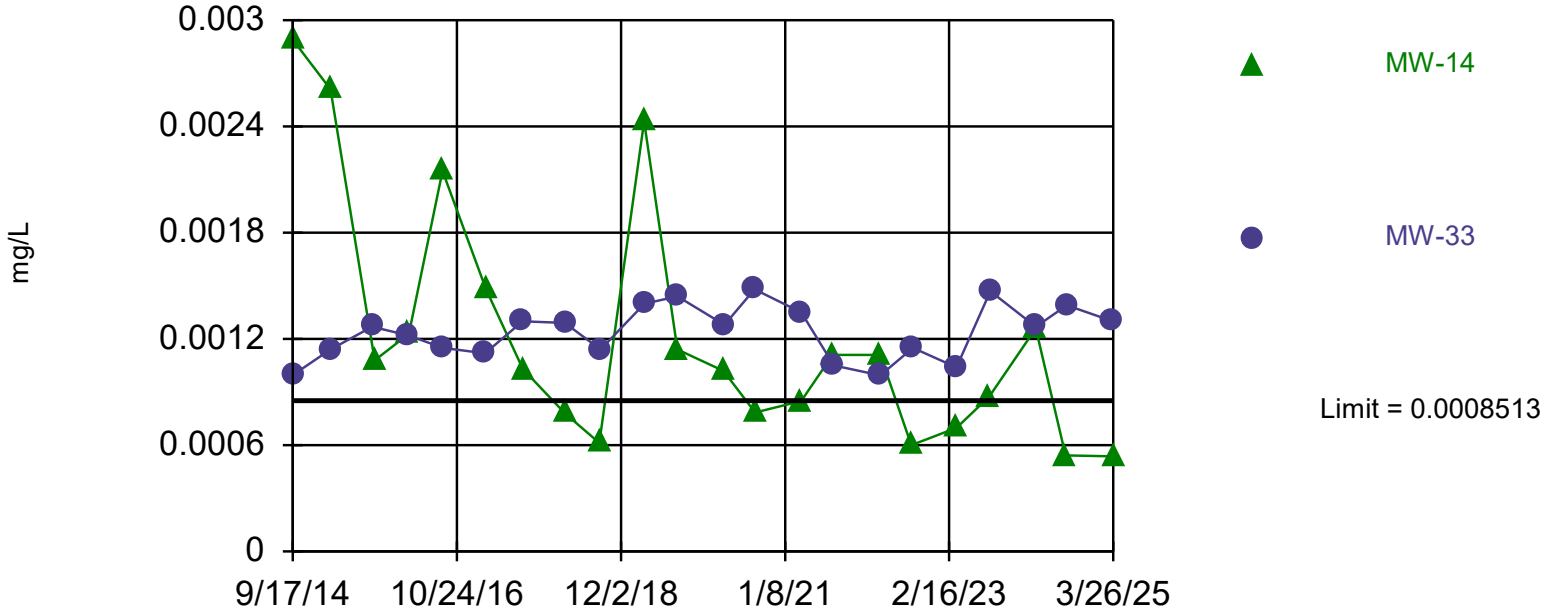
Constituent: Cadmium Analysis Run 5/19/2025 12:05 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

Exceeds Limit: MW-33

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-8.332, Std. Dev.=0.5385, n=42, 19.05% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9553, critical = 0.922. Kappa = 2.346 (c=11, w=38, 1 of 2, event alpha = 0.1). Report alpha = 0.009533. Individual comparison alpha = 0.000252.

Constituent: Cobalt Analysis Run 5/19/2025 12:05 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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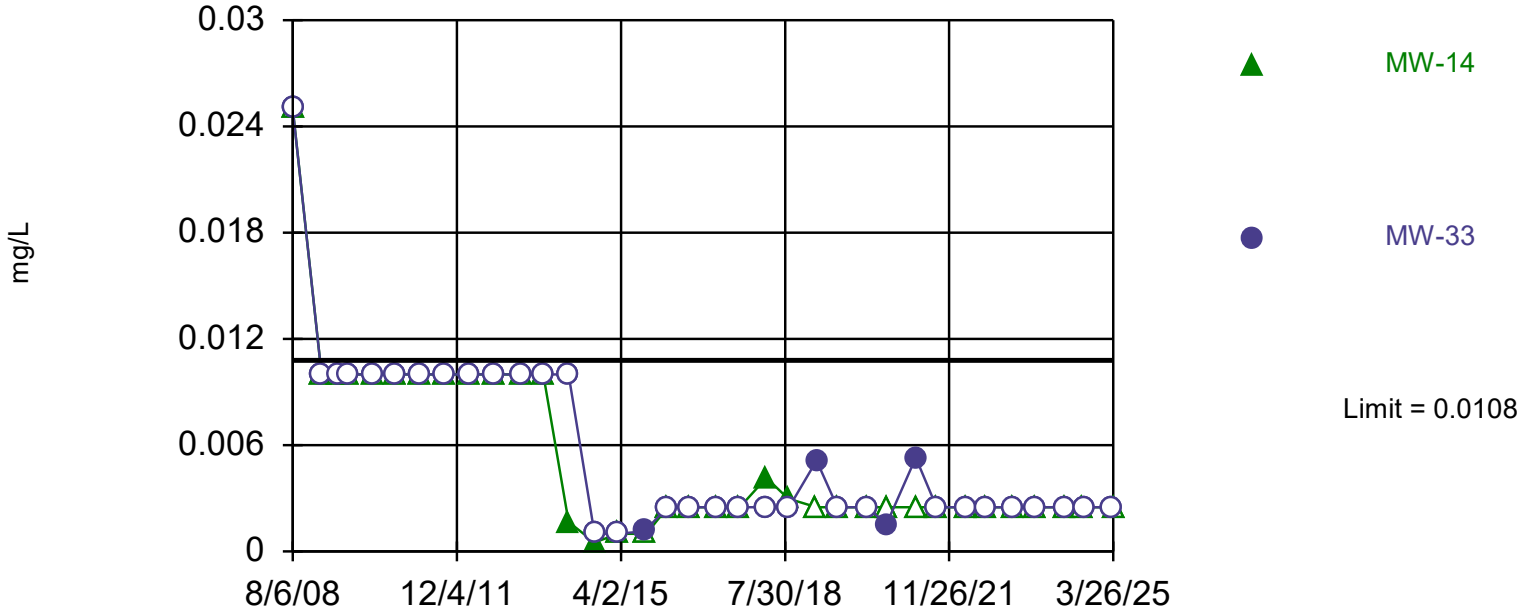
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring
Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 54 background values. 98.15% NDs. Annual per-constituent alpha = 0.02362. Individual comparison alpha = 0.0006288 (1 of 2).

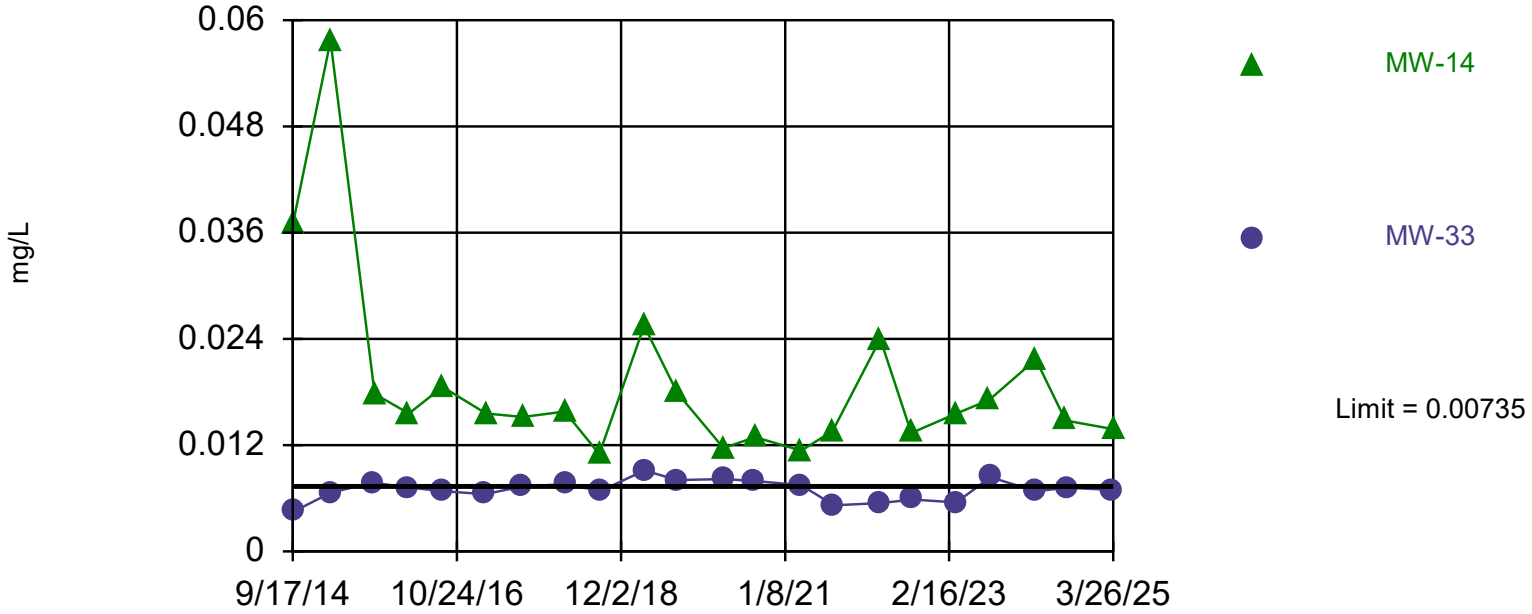
Constituent: Copper Analysis Run 5/19/2025 12:05 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

Exceeds Limit: MW-14

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 42 background values. 54.76% NDs. Annual per-constituent alpha = 0.03708. Individual comparison alpha = 0.0009937 (1 of 2).

Constituent: Nickel Analysis Run 5/19/2025 12:05 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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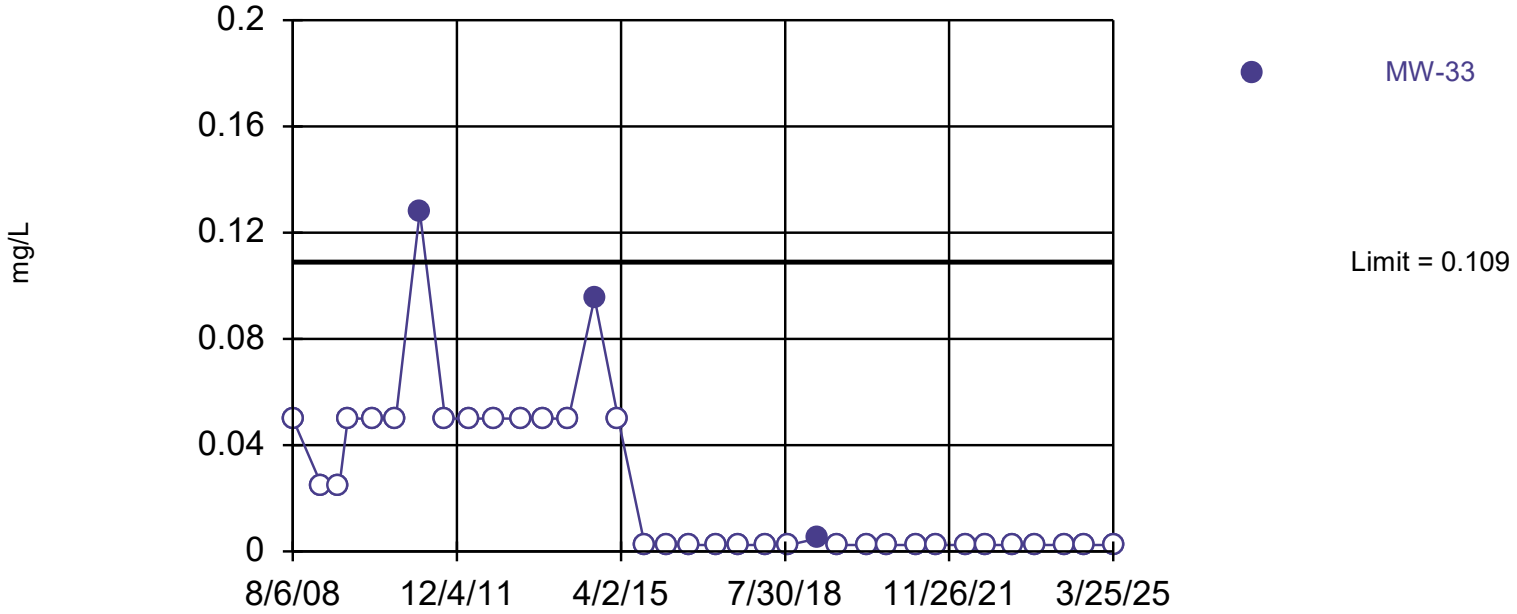
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring
Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 55 background values. 94.55% NDs. Annual per-constituent alpha = 0.02286. Individual comparison alpha = 0.0006084 (1 of 2).

Constituent: Tin Analysis Run 5/19/2025 12:05 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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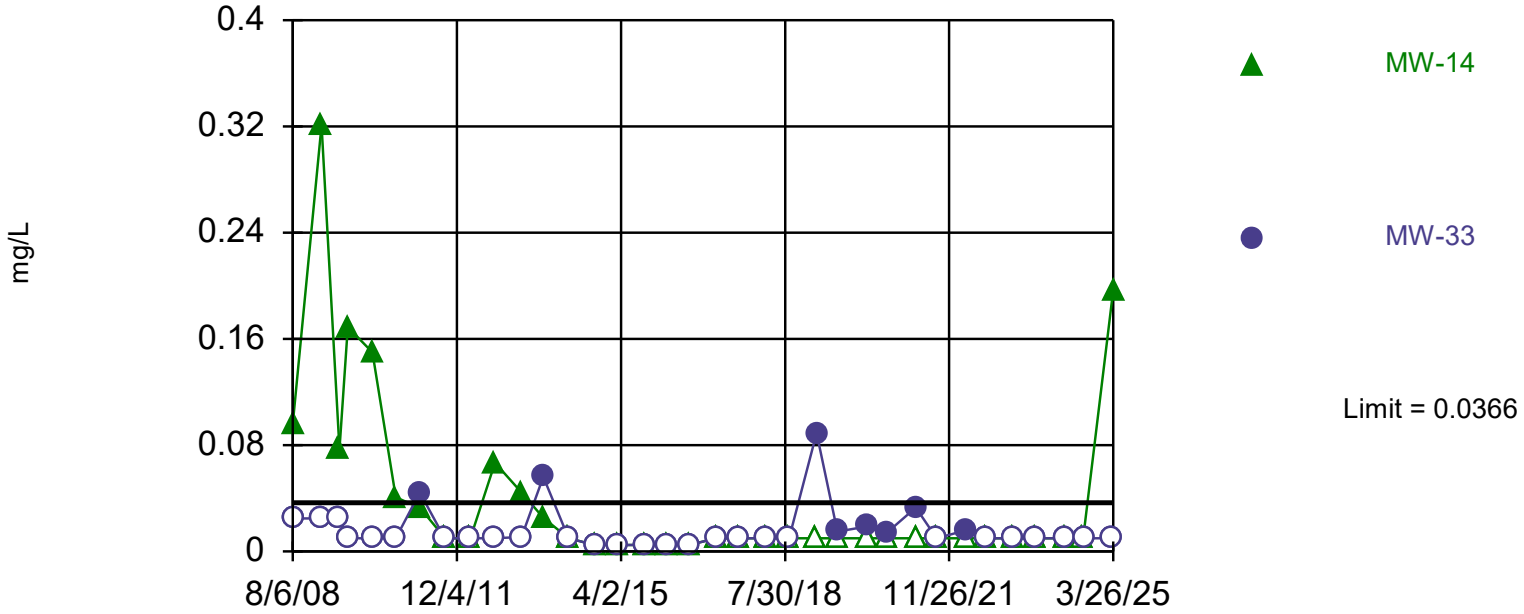
Hollow symbols indicate censored values.

Exceeds Limit: MW-14

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 55 background values. 90.91% NDs. Annual per-constituent alpha = 0.02286. Individual comparison alpha = 0.0006084 (1 of 2).

Constituent: Zinc Analysis Run 5/19/2025 12:05 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

Attachment 3

Sanitas Report Output for Double Quantification Rule Evaluations

Sanitas™ v.10.0.26 Software licensed to Foth Infrastructure & Environment, LLC. UG

Data Screening - Corrective Action Monitoring - Assessment Constituents

Analysis Run 5/19/2025 8:53 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

A listing of detects for 209 constituents in MW-12, MW-13, MW-16, MW-17, and MW-32 in March 2025:

1,1-Dichloroethane, MW-12, 3/25/2025: 2.89 ug/L
1,2-Dichlorobenzene, MW-13, 3/26/2025: 2.25 ug/L
1,4-Dichlorobenzene, MW-12, 3/25/2025: 2.47 ug/L
1,4-Dichlorobenzene, MW-13, 3/26/2025: 14.5 ug/L
1,4-Dichlorobenzene, MW-16, 3/27/2025: 4.52 ug/L
1,4-Dichlorobenzene, MW-32, 3/25/2025: 2.63 ug/L
Benzene, MW-13, 3/26/2025: 2.9 ug/L
Chlorobenzene, MW-12, 3/25/2025: 2.56 ug/L
Chlorobenzene, MW-13, 3/26/2025: 3.72 ug/L
Chlorobenzene, MW-16, 3/27/2025: 1.64 ug/L
Chlorobenzene, MW-32, 3/25/2025: 4.74 ug/L
cis-1,2-Dichloroethene, MW-12, 3/25/2025: 3.69 ug/L

Sanitas™ v.10.0.26 Software licensed to Foth Infrastructure & Environment, LLC. UG

Data Screening - Delineation Monitoring

Analysis Run 5/20/2025 9:46 AM **- Assessment Constituents**

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

A listing of detects for 208 constituents in MW-109B in March 2025:

1,4-Dichlorobenzene, MW-109B, 3/26/2025: 1.72 ug/L
Chlorobenzene, MW-109B, 3/26/2025: 7.21 ug/L

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Data Screening - Corrective Action Monitoring

- Assessment Constituents

A listing of detects for 208 constituents in MW-14 and MW-33 in March 2025:

1,1-Dichloroethane, MW-14, 3/26/2025: 1.05 ug/L
1,2-Dichlorobenzene, MW-14, 3/26/2025: 1.33 ug/L
1,4-Dichlorobenzene, MW-14, 3/26/2025: 7.62 ug/L
1,4-Dichlorobenzene, MW-33, 3/25/2025: 1.03 ug/L
Benzene, MW-14, 3/26/2025: 0.755 ug/L
Chlorobenzene, MW-14, 3/26/2025: 1.85 ug/L
Chlorobenzene, MW-33, 3/25/2025: 5.62 ug/L

Attachment 4

Sanitas Report Output for Confidence Interval Calculations
Assessment Mode

Upper Bedrock

Confidence Interval - Assessment Mode [1]

Constituent Name	Well	Upper Limit	Lower Limit	Compliance Limit [2]	Exceed	N	Mean	Standard Deviation	CV	a to Achieve 50% Power at R=1.5 [3,4]	a to Achieve 80% Power at R=2.0 [3,4]	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Corrective Action Monitoring Locations - Assessment Constituents																
1,1-Dichloroethane (ug/L)	MW-12	21.0	12.2	140	No	35	16.6	10.7	0.64	<0.01	<0.01	0	None	No	0.01	Param.
1,2-Dichlorobenzene (ug/L)	MW-13	2.9	2.2	600	No	35	2.6	0.9	0.33	<0.01	<0.01	3	None	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	MW-12	7.1	2.2	75	No	35	4.7	3.1	0.67	<0.01	<0.01	3	None	No	0.01	NP (normality)
1,4-Dichlorobenzene (ug/L)	MW-13	14.6	12.1	75	No	35	12.8	3.2	0.25	<0.01	<0.01	0	None	No	0.01	NP (normality)
1,4-Dichlorobenzene (ug/L)	MW-16	4.1	2.4	75	No	35	3.3	2.1	0.62	<0.01	<0.01	14	None	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	MW-32	5.0	3.3	75	No	35	4.2	2.1	0.50	<0.01	<0.01	9	None	No	0.01	Param.
Barium (mg/L)	MW-12	0.37	0.16	2	No	35	0.28	0.16	0.57	<0.01	<0.01	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-13	0.79	0.57	2	No	35	0.68	0.27	0.40	<0.01	<0.01	0	None	No	0.01	Param.
Barium (mg/L)	MW-32	0.88	0.75	2	No	35	0.78	0.21	0.27	<0.01	<0.01	0	None	No	0.01	NP (normality)
Benzene (ug/L)	MW-13	4.78	3.84	5	No	35	4.31	1.14	0.26	<0.01	<0.01	0	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-12	6.4	2.6	100	No	35	4.6	2.6	0.56	<0.01	<0.01	3	None	No	0.01	NP (normality)
Chlorobenzene (ug/L)	MW-13	5.2	4.2	100	No	35	4.7	1.3	0.27	<0.01	<0.01	3	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-16	2.1	1.4	100	No	35	1.7	0.8	0.46	<0.01	<0.01	9	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-32	11.5	8.8	100	No	35	10.1	3.3	0.32	<0.01	<0.01	0	None	No	0.01	Param.
cis-1,2-Dichloroethene (ug/L)	MW-12	8.1	4.2	70	No	35	8.4	6.2	0.74	<0.01	<0.01	0	None	No	0.01	NP (normality)
Nickel (mg/L)	MW-32	0.036	0.019	0.1	No	35	0.050	0.070	1.41	<0.01	<0.01	23	None	No	0.01	NP (normality)

[1] Under assessment mode, an SSL is indicated when the lower confidence limit exceeds the groundwater protection standard (compliance limit).

[2] Value is the 40 CFR Part 141 Safe Drinking Water Act MCL or the IAC 567 Chapter 137 Statewide Standard for a Protected Groundwater Source.

[3] For parametric confidence intervals: Except where otherwise indicated, based on Unified Guidance Equation 22.2, i.e., $\alpha \sim 1 - F_{T,n-1}\left(\frac{(R-1)\sqrt{n}}{R \cdot CV} - t_{1-\beta,n-1}\right)$

where R is the desired risk ratio, n is the sample size, CV is the estimated sample coefficient of variation, $t_{1\text{-}b,n\text{-}1}$ is the (1−b) Student's t-quantile with (n−1) degrees of freedom, and F is the cumulative (central) Student's t-distribution function.

[4] For non-parametric confidence intervals: Based on Unified Guidance Equation 22.1, i.e., $1 - \beta = G_{T,n-1}\left(t_{1-\alpha,n-1} \middle| \Delta = \sqrt{n}(R-1)\right)$

where R is the desired risk ratio, $t_{1\text{-}a,n\text{-}1}$ is the (1−a) Student's t-quantile with (n−1) degrees of freedom and G represents the cumulative non-central t-distribution with (n−1) degrees of freedom and noncentrality parameter D.

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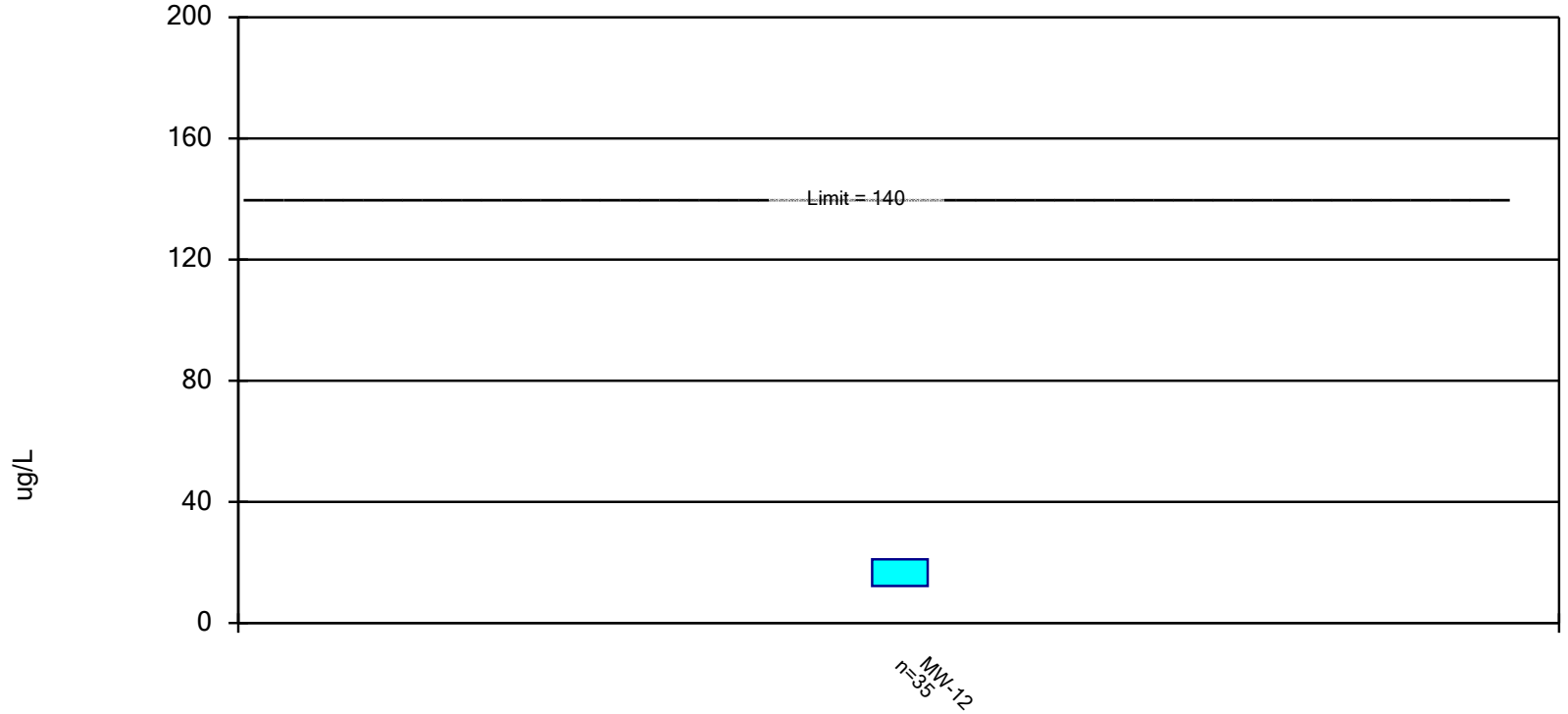
Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 1,1-Dichloroethane Analysis Run 5/20/2025 2:56 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

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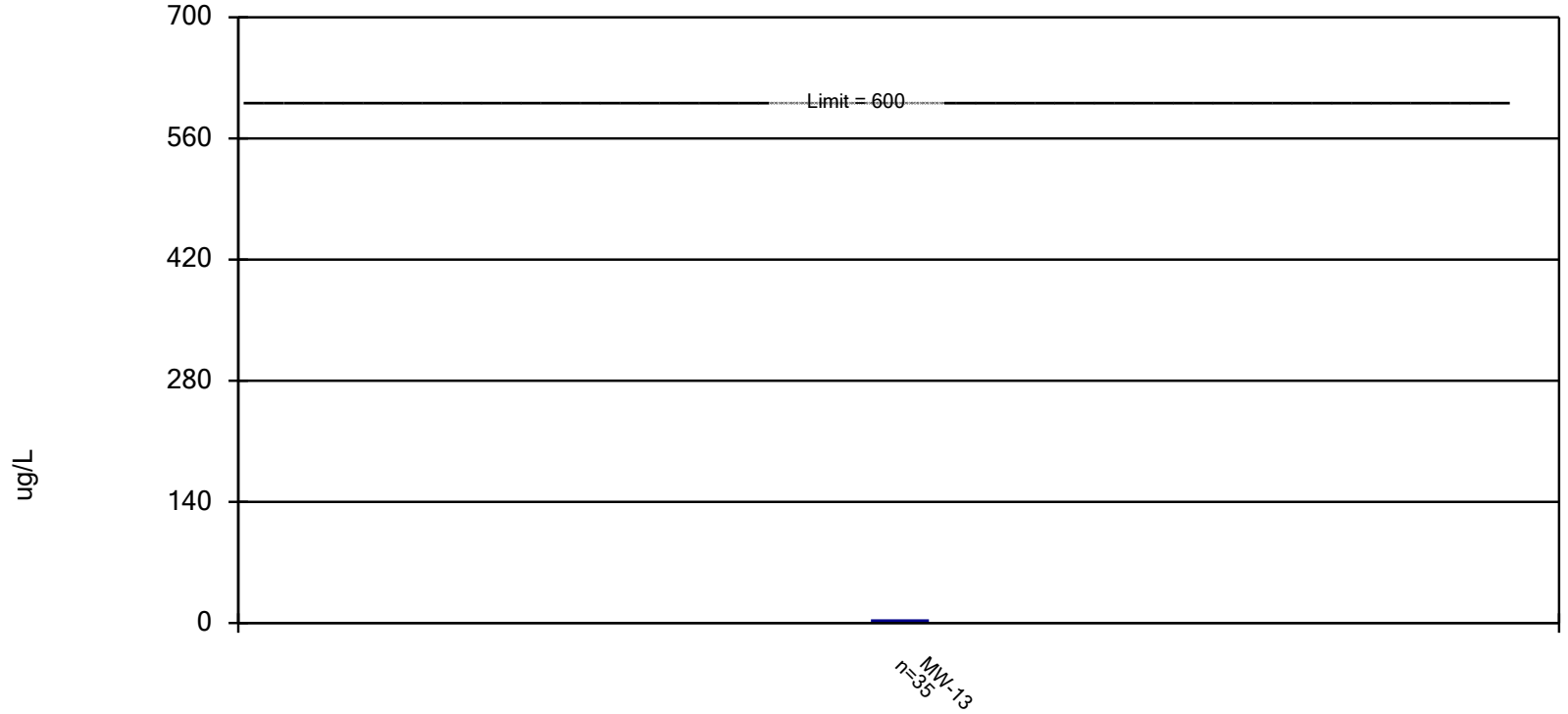
Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 1,2-Dichlorobenzene Analysis Run 5/20/2025 2:56 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

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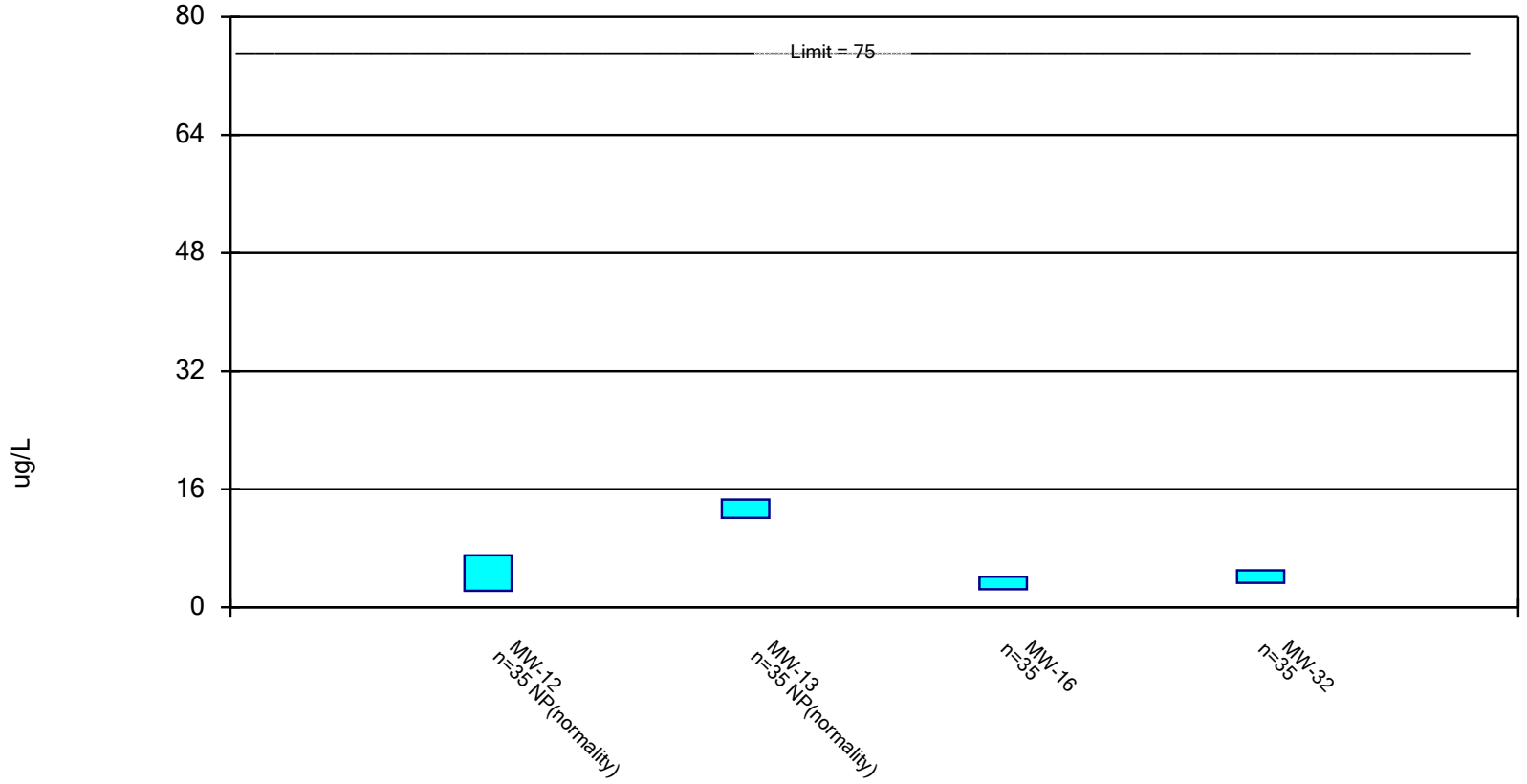
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 1,4-Dichlorobenzene Analysis Run 5/20/2025 2:57 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

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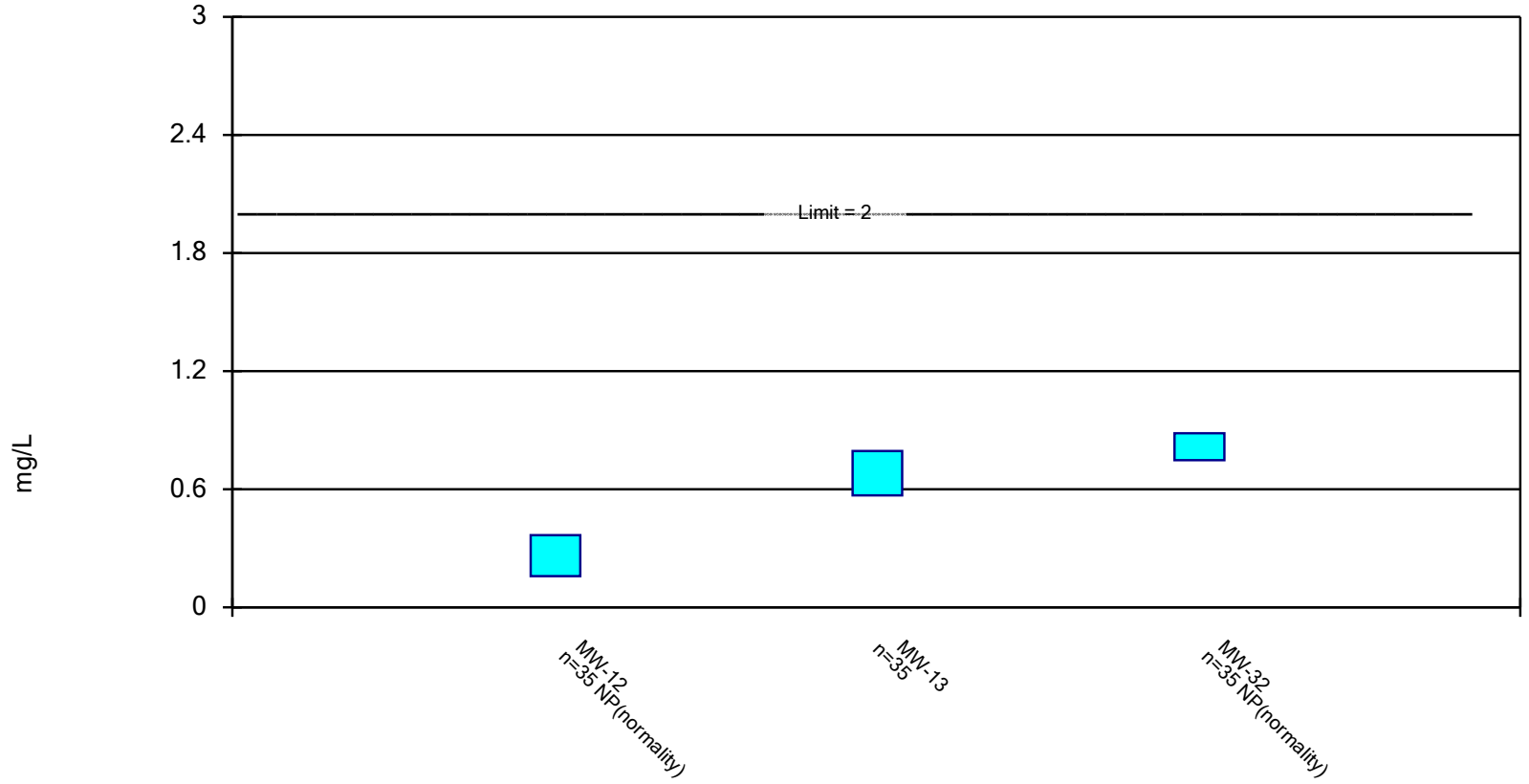
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

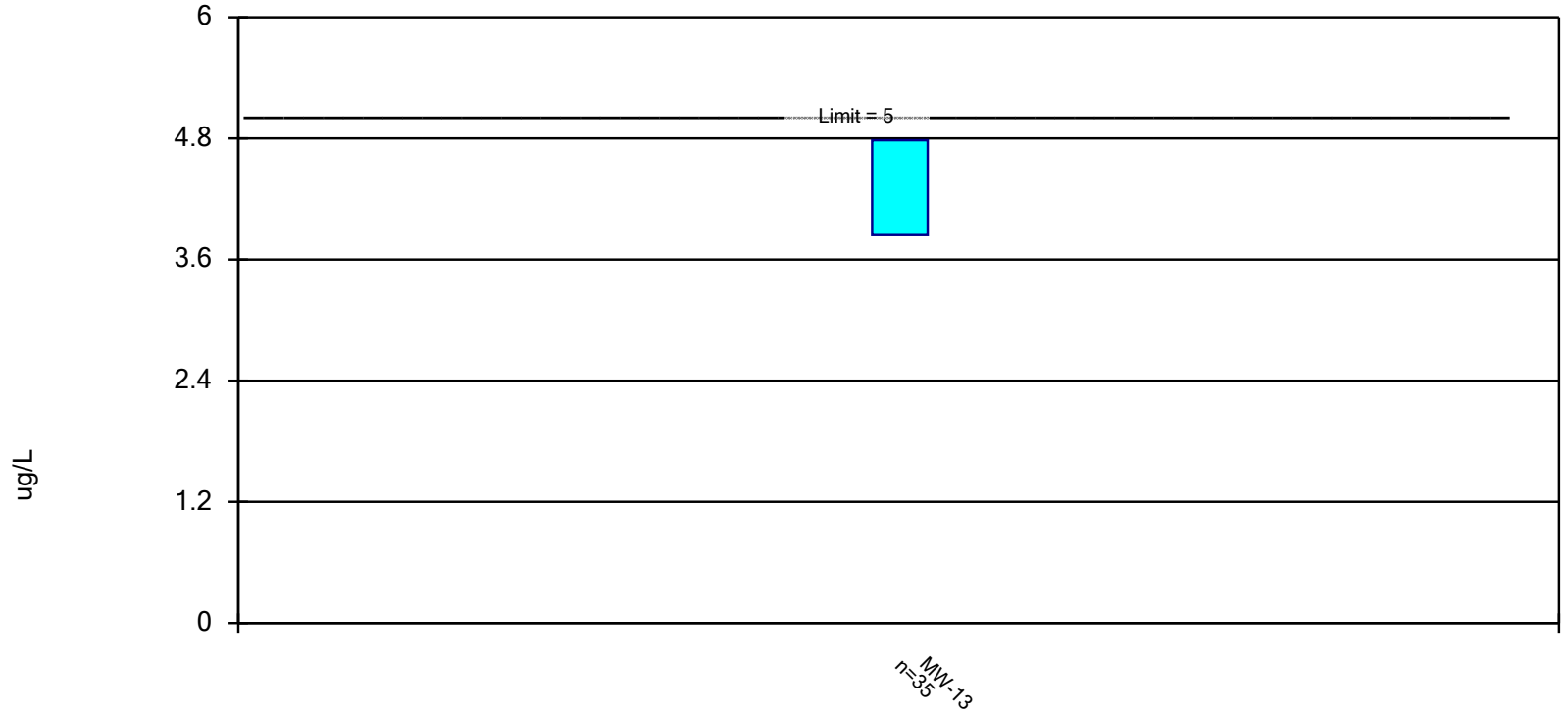


Constituent: Barium Analysis Run 5/20/2025 2:57 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Benzene Analysis Run 5/20/2025 2:57 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

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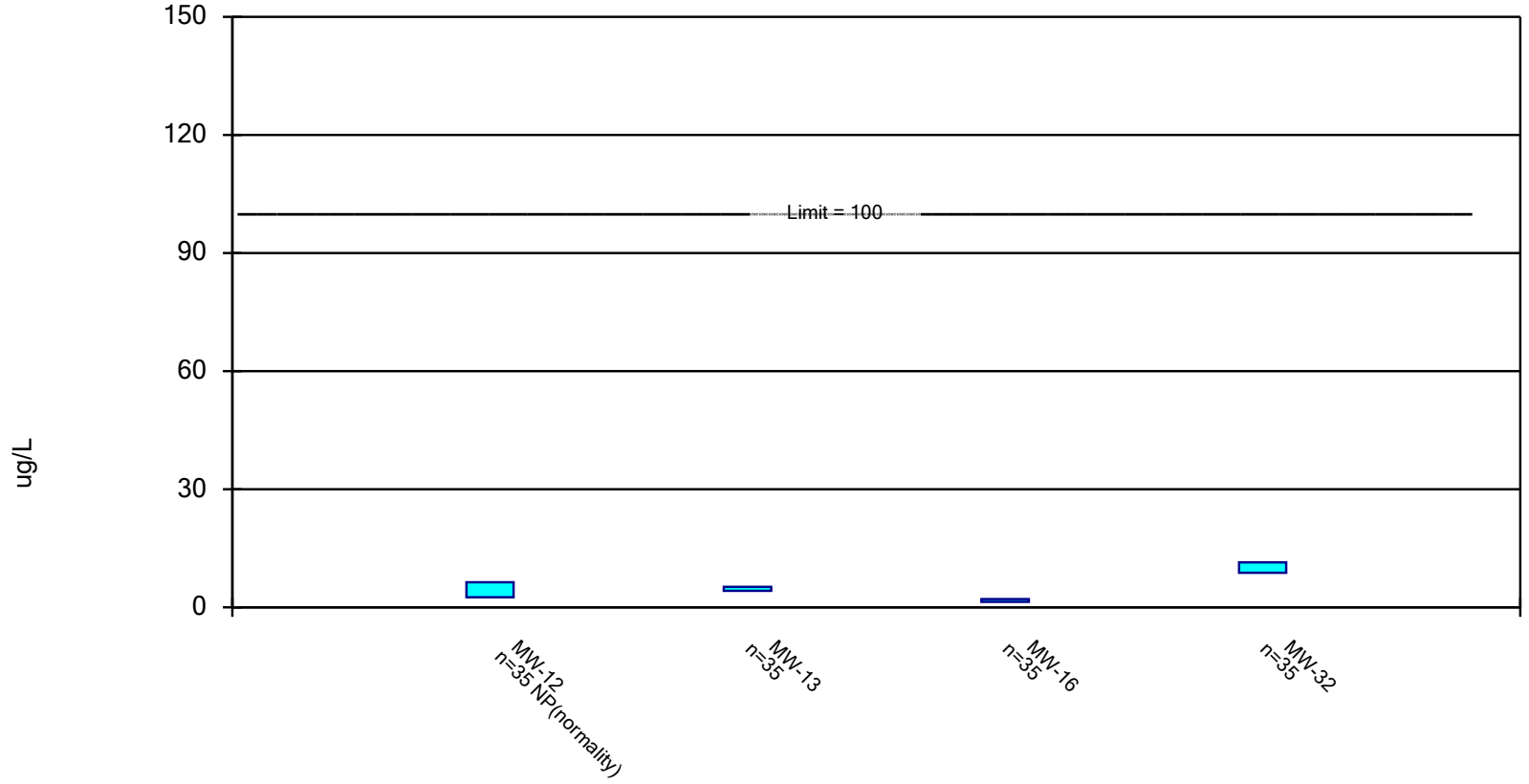
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chlorobenzene Analysis Run 5/20/2025 2:57 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

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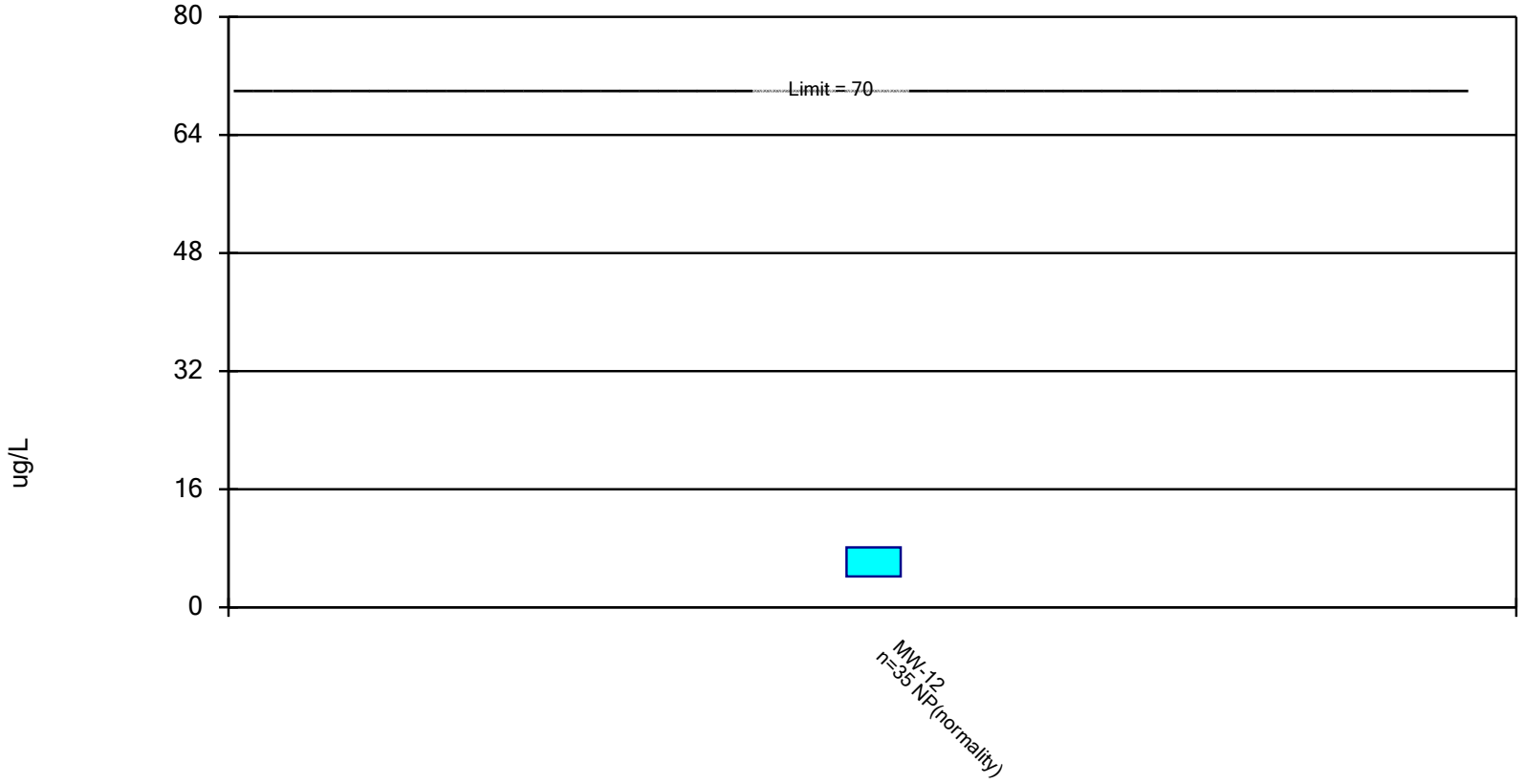
Non-Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: cis-1,2-Dichloroethene Analysis Run 5/20/2025 2:57 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

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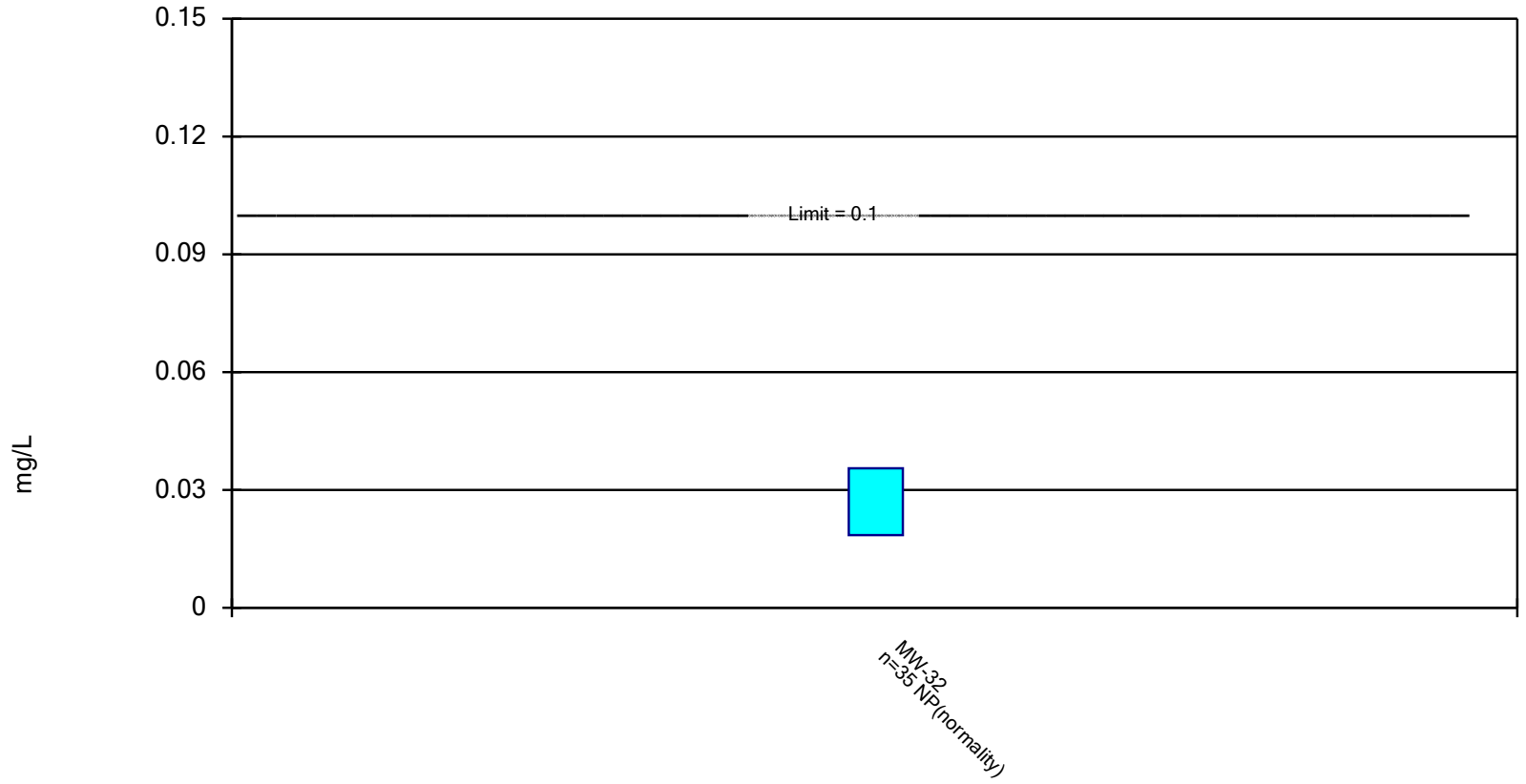
Non-Parametric Confidence Interval - Corrective Action Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01. - Assessment Constituents



Constituent: Nickel Analysis Run 5/20/2025 2:57 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

Deeper Bedrock

Confidence Interval - Assessment Mode [1]

Constituent Name	Well	Upper Limit	Lower Limit	Compliance Limit [2]	Exceed	N	Mean	Standard Deviation	CV	a to Achieve 50% Power at R=1.5 [3,4]	a to Achieve 80% Power at R=2.0 [3,4]	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Delineation Monitoring Locations - Assessment Constituents																
1,4-Dichlorobenzene (ug/L)	MW-109B	1.8	1.1	75	No	18	1.3	0.5	0.36	0.02	<0.01	17	None	No	0.02	NP (normality)
Barium (mg/L)	MW-109B	0.71	0.66	2	No	18	0.68	0.05	0.07	<0.01	<0.01	0	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-109B	7.3	6.5	100	No	18	6.9	0.7	0.10	<0.01	<0.01	0	None	No	0.01	Param.
Nickel (mg/L)	MW-109B	0.040	0.035	0.1	No	18	0.037	0.004	0.12	<0.01	<0.01	0	None	No	0.01	Param.
Corrective Action Monitoring Locations - Assessment Constituents																
1,1-Dichloroethane (ug/L)	MW-14	11.3	1.7	140	No	35	7.0	6.5	0.93	<0.01	<0.01	6	None	No	0.01	NP (normality)
1,2-Dichlorobenzene (ug/L)	MW-14	1.7	1.2	600	No	35	1.4	0.5	0.36	<0.01	<0.01	11	None	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	MW-14	8.1	5.2	75	No	35	6.7	3.6	0.54	<0.01	<0.01	14	None	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	MW-33	0.9	0.5	75	No	35	0.7	0.2	0.33	<0.01	<0.01	37	None	No	0.01	NP (normality)
Barium (mg/L)	MW-14	0.74	0.17	2	No	35	0.53	0.38	0.72	<0.01	<0.01	3	None	No	0.01	NP (normality)
Barium (mg/L)	MW-33	0.55	0.45	2	No	35	0.50	0.12	0.23	<0.01	<0.01	0	None	No	0.01	Param.
Benzene (ug/L)	MW-14	3.19	2.19	5	No	35	2.69	1.21	0.45	<0.01	<0.01	3	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-14	3.6	2.7	100	No	35	3.2	1.1	0.35	<0.01	<0.01	9	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-33	5.0	3.6	100	No	35	4.3	1.6	0.37	<0.01	<0.01	3	None	No	0.01	Param.
Cobalt (mg/L)	MW-33	0.0013	0.0012	0.0021	No	22	0.0012	0.0001	0.12	0.01	<0.01	0	None	No	0.01	Param.
Nickel (mg/L)	MW-14	0.019	0.014	0.1	No	22	0.019	0.010	0.55	<0.01	<0.01	0	None	No	0.01	NP (normality)
Zinc (mg/L)	MW-14	0.03	0.01	2	No	35	0.04	0.07	1.68	0.12	0.18	69	None	No	0.12	NP (NDs)

[1] Under assessment mode, an SSL is indicated when the lower confidence limit exceeds the groundwater protection standard (compliance limit).

[2] Value is the 40 CFR Part 141 Safe Drinking Water Act MCL or the IAC 567 Chapter 137 Statewide Standard for a Protected Groundwater Source.

[3] For parametric confidence intervals: Except where otherwise indicated, based on Unified Guidance Equation 22.2, i.e., $\alpha \sim 1 - F_{T,n-1}\left(\frac{(R-1)\sqrt{n}}{R \cdot \widehat{CV}} - t_{1-\beta,n-1}\right)$

where R is the desired risk ratio, n is the sample size, CV is the estimated sample coefficient of variation, $t_{1-b,n-1}$ is the (1–b) Student's t-quantile with (n–1) degrees of freedom, and F is the cumulative (central) Student's t-distribution function.

[4] For non-parametric confidence intervals: Based on Unified Guidance Equation 22.1, i.e., $\hat{\alpha}, \hat{\beta} = G_{T,n-1}(t_{1-\alpha,n-1} | \Delta = \sqrt{n}(R-1))$

where R is the desired risk ratio, $t_{1-a,n-1}$ is the (1–a) Student's t-quantile with (n–1) degrees of freedom and G represents the cumulative non-central t-distribution with (n–1) degrees of freedom and noncentrality parameter D.

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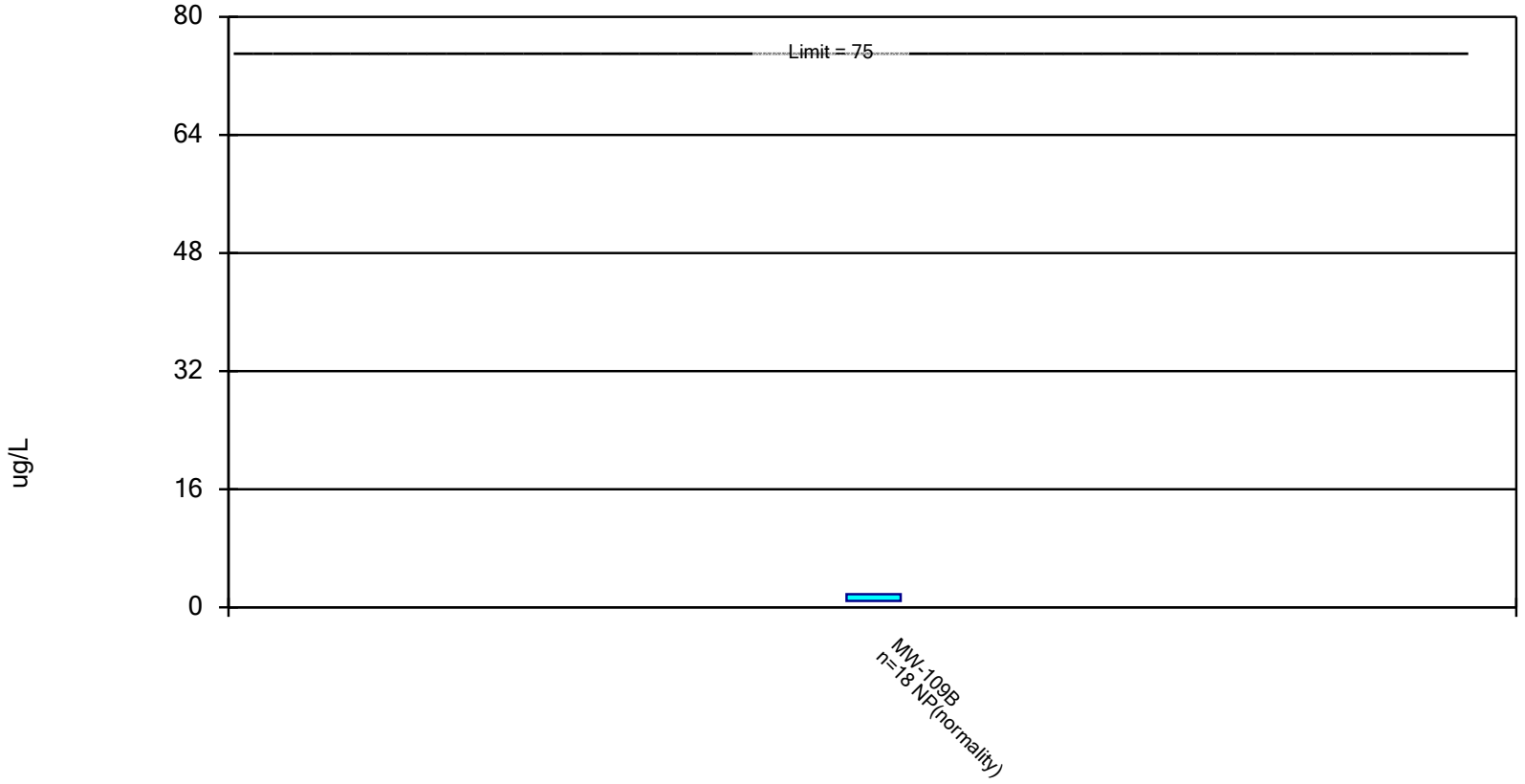
Non-Parametric Confidence Interval - Delineation Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: 1,4-Dichlorobenzene Analysis Run 5/20/2025 2:23 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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Parametric Confidence Interval - Delineation Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

Constituent: Barium Analysis Run 5/20/2025 2:23 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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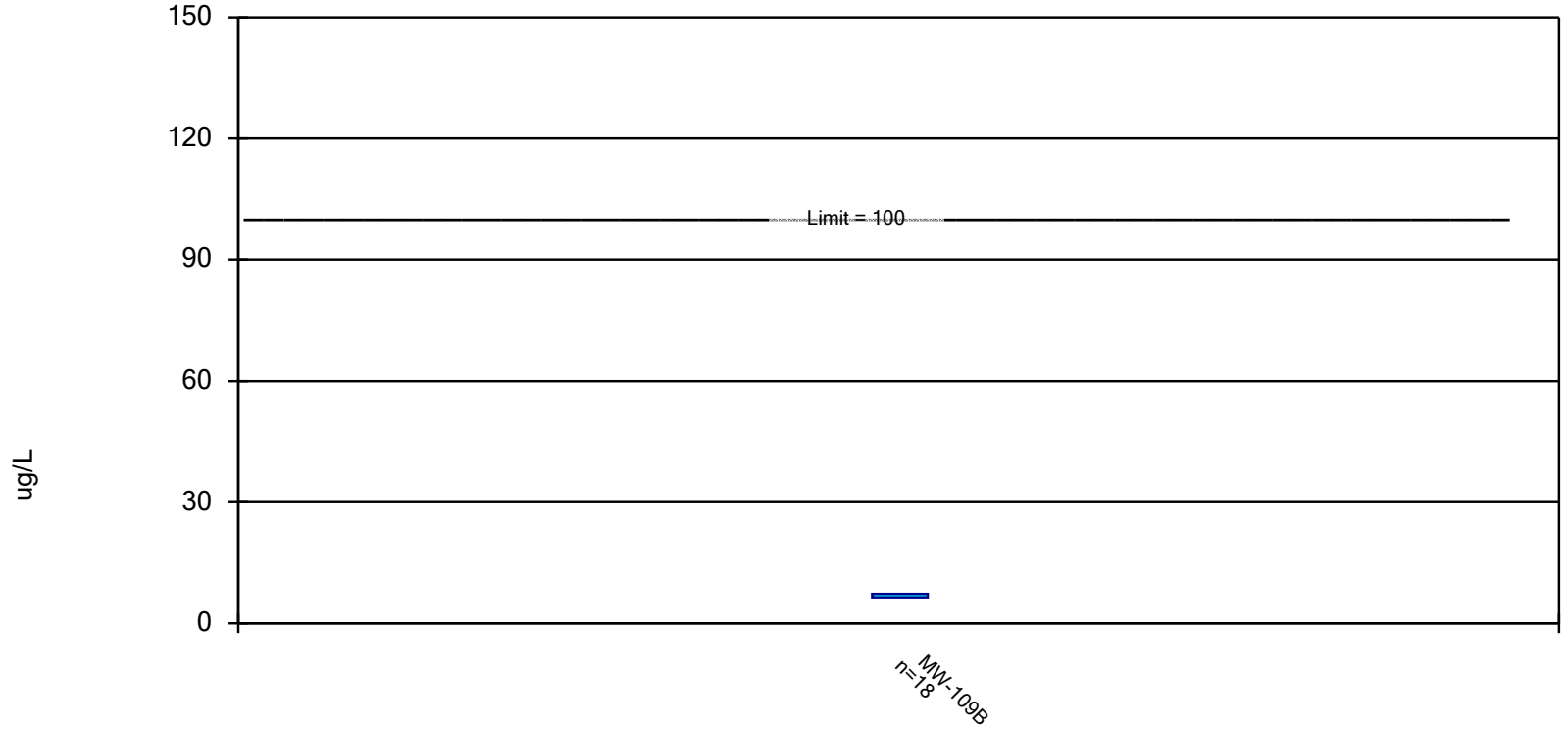
Parametric Confidence Interval - Delineation Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chlorobenzene Analysis Run 5/20/2025 2:23 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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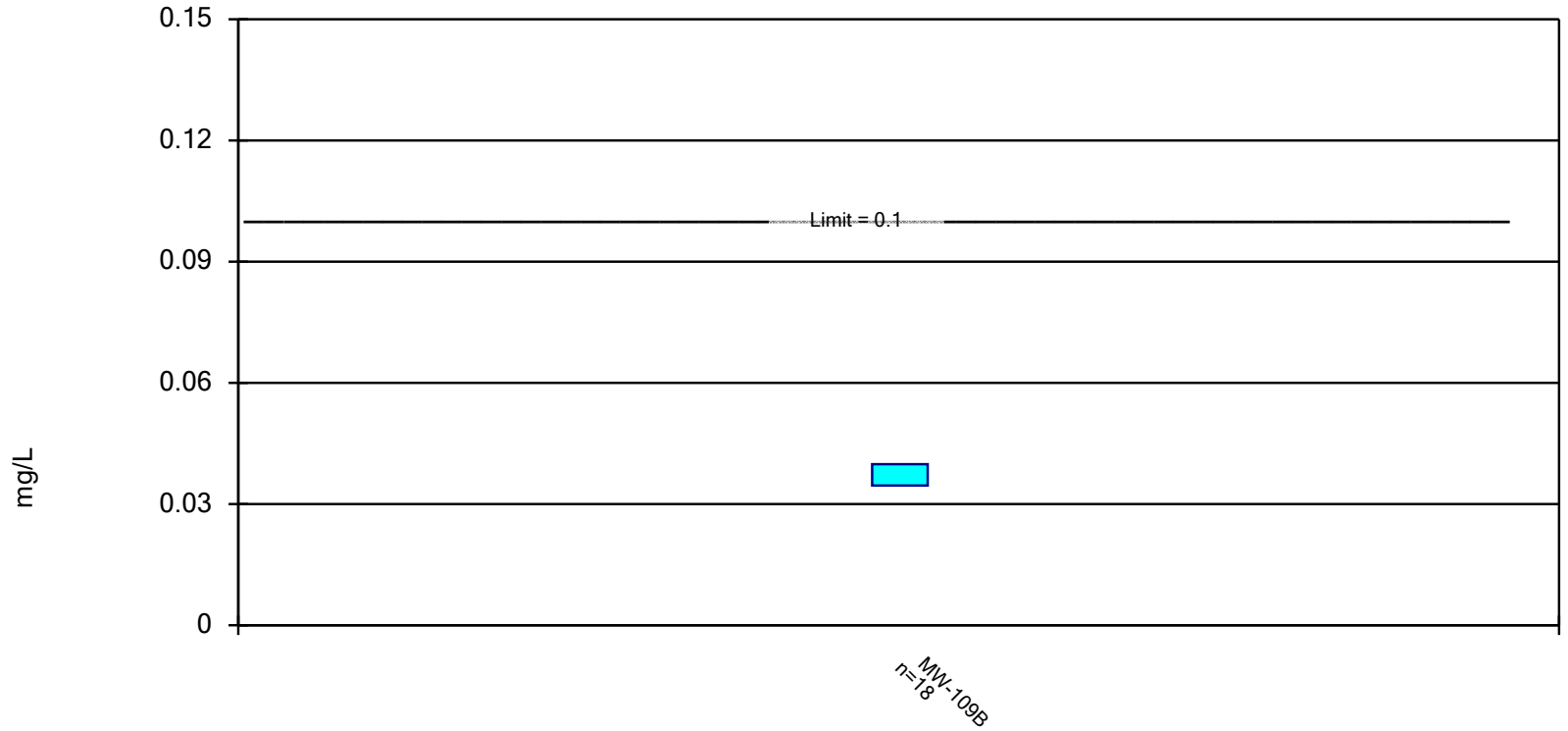
Parametric Confidence Interval - Delineation Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

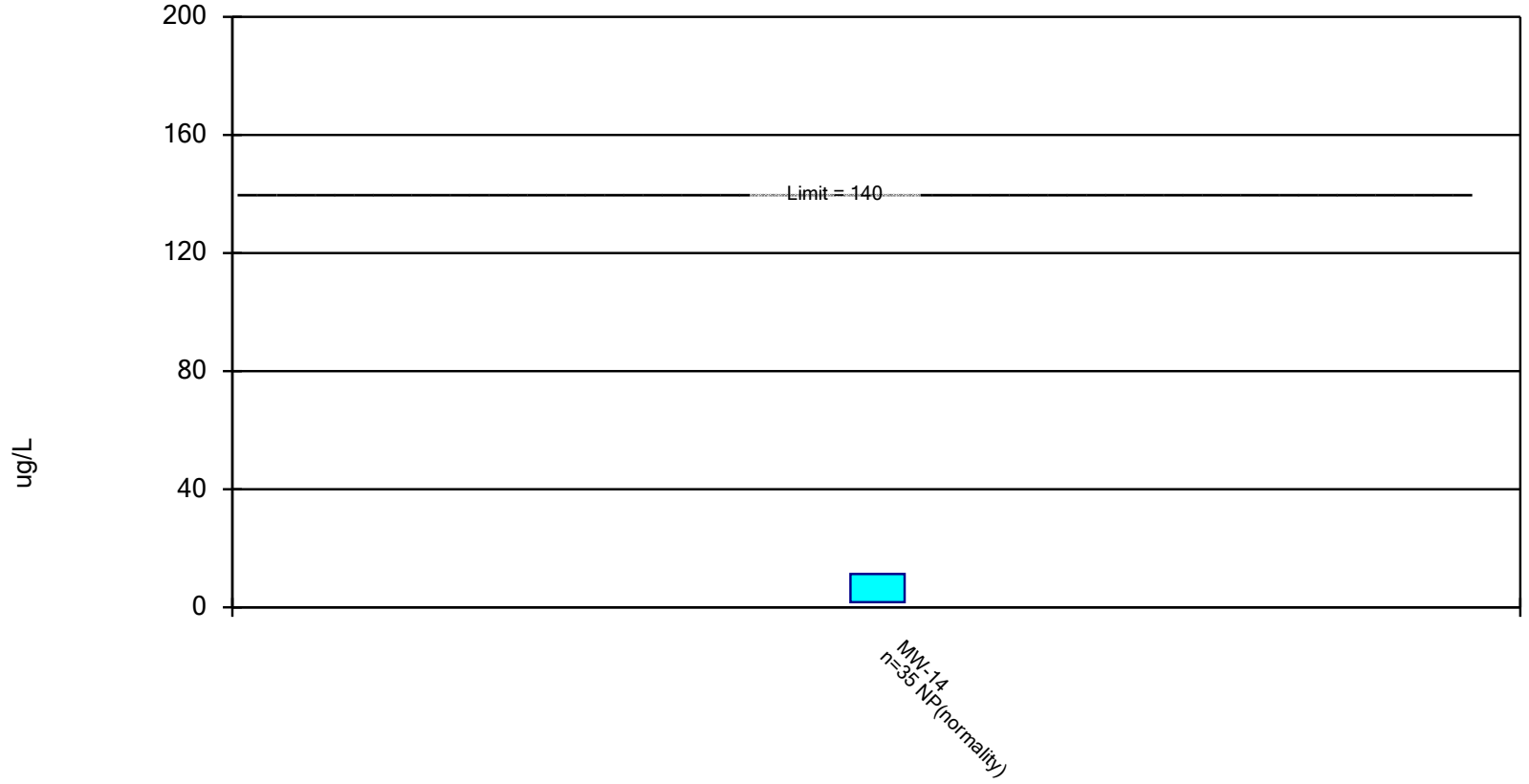


Constituent: Nickel Analysis Run 5/20/2025 2:23 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

Non-Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01.

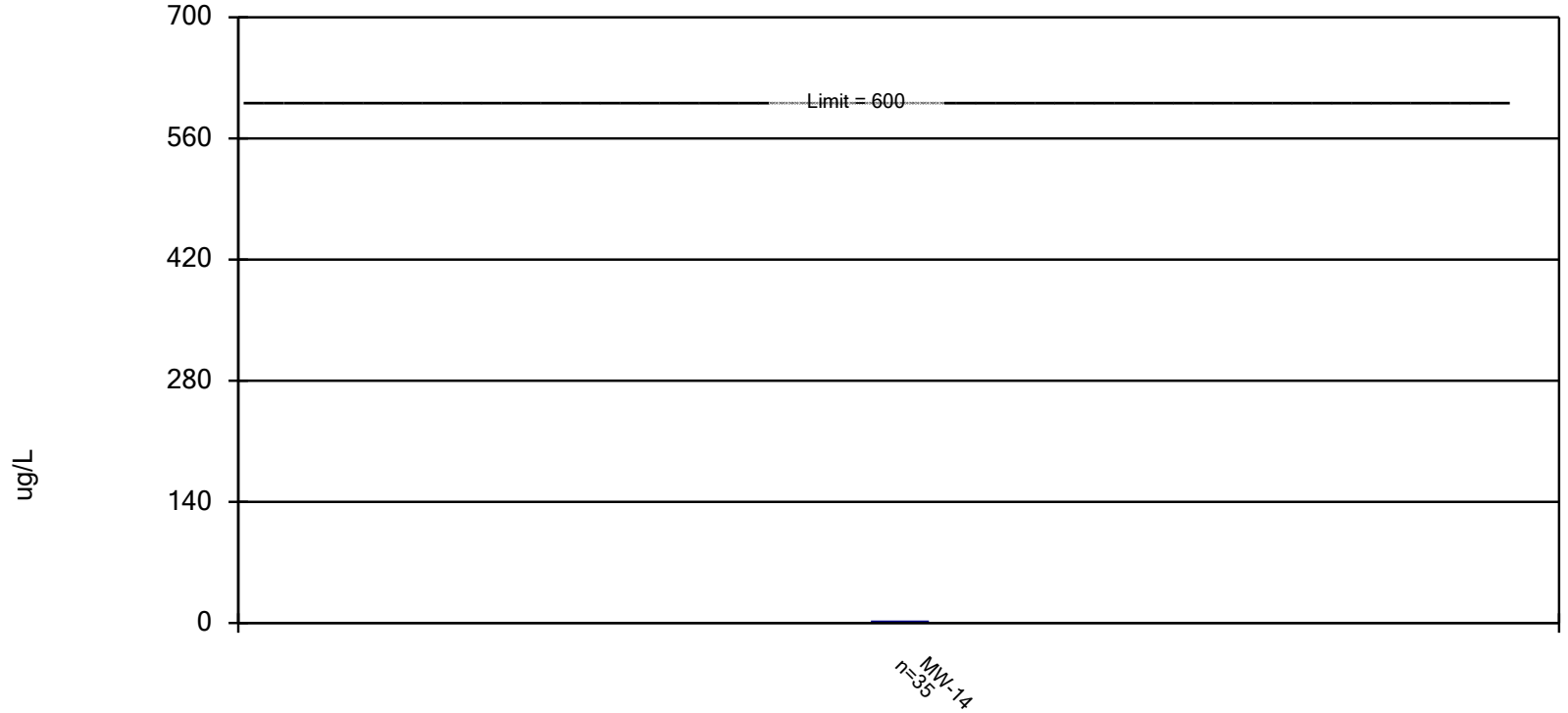


Constituent: 1,1-Dichloroethane Analysis Run 5/20/2025 2:28 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 1,2-Dichlorobenzene Analysis Run 5/20/2025 2:28 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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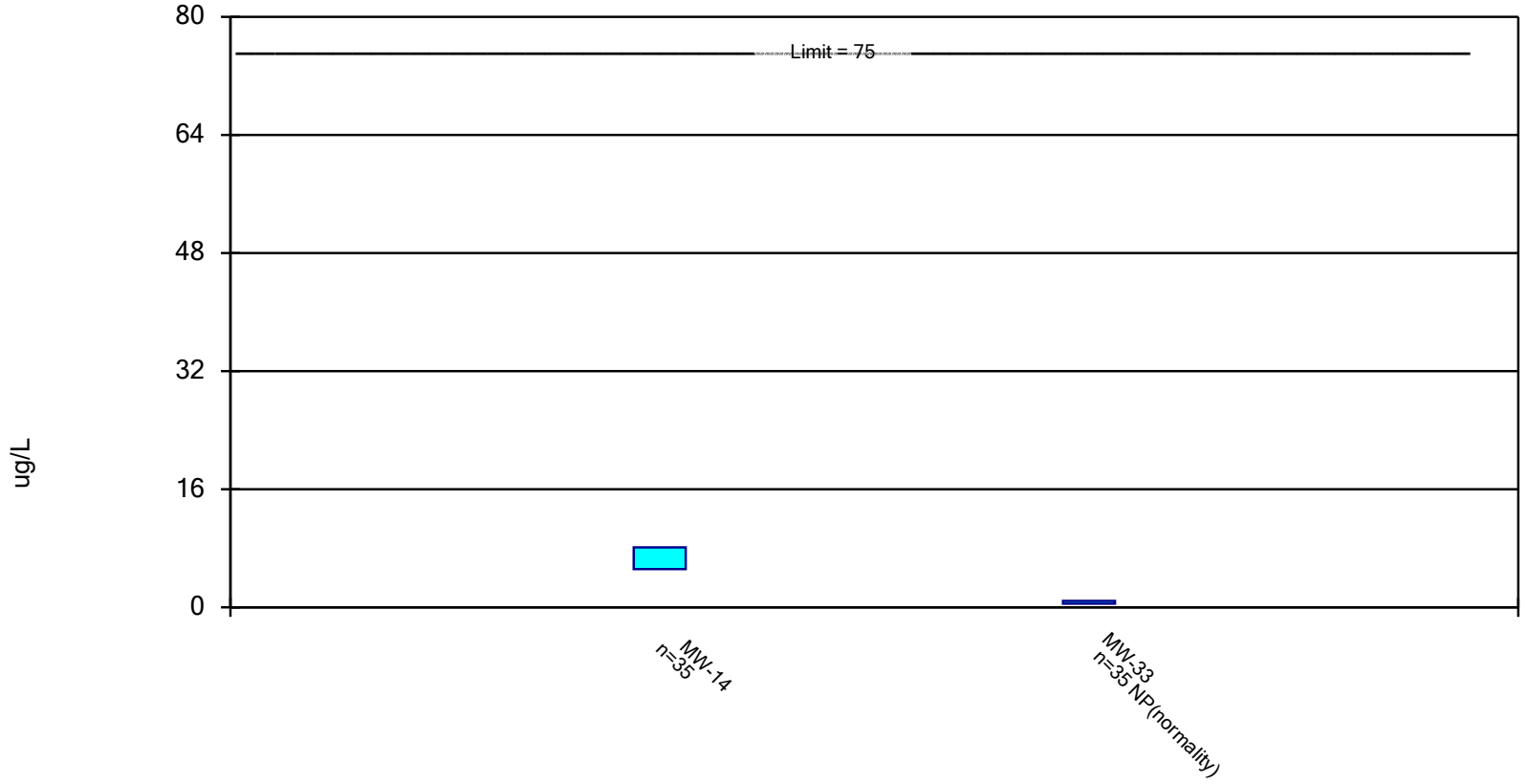
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 1,4-Dichlorobenzene Analysis Run 5/20/2025 2:28 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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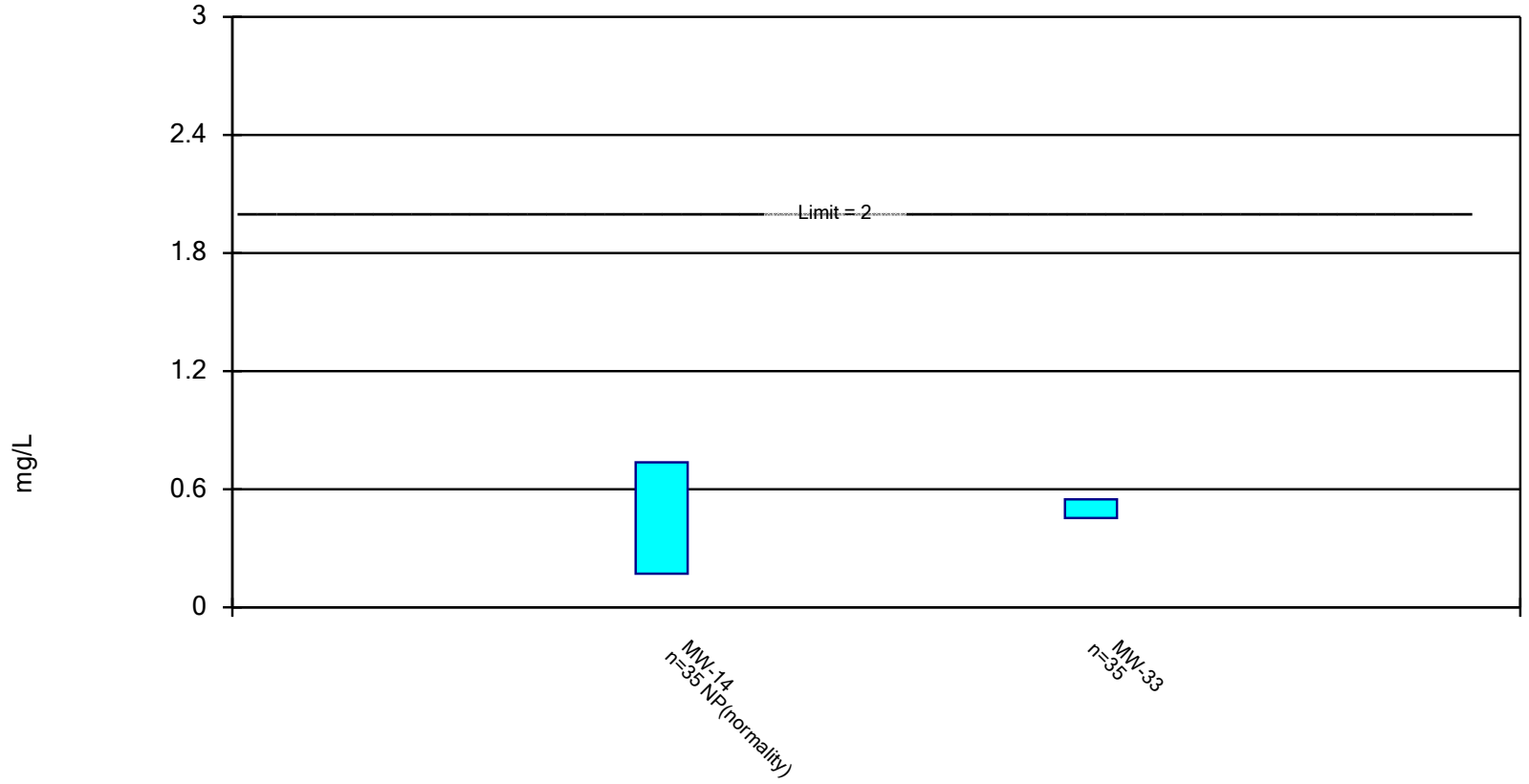
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

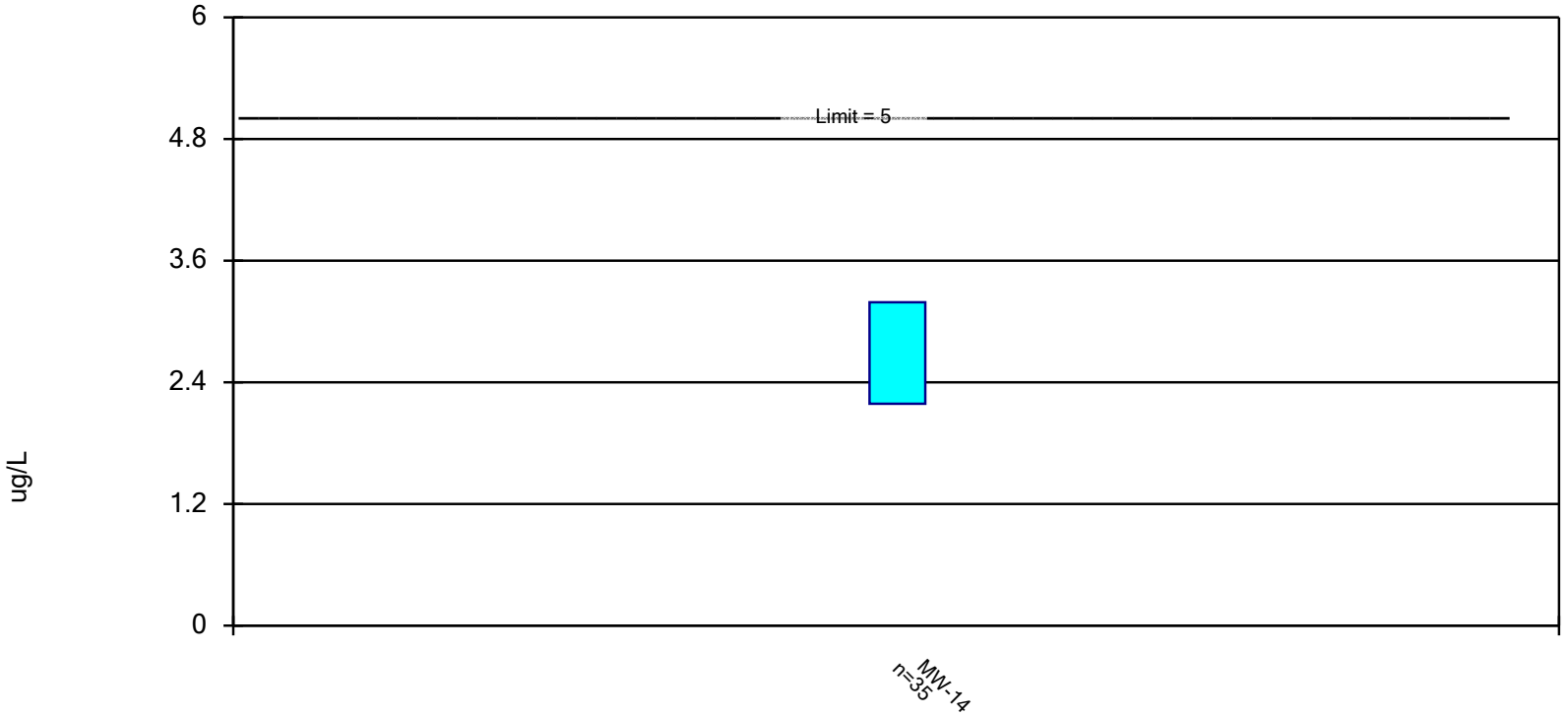


Constituent: Barium Analysis Run 5/20/2025 2:28 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Benzene Analysis Run 5/20/2025 2:28 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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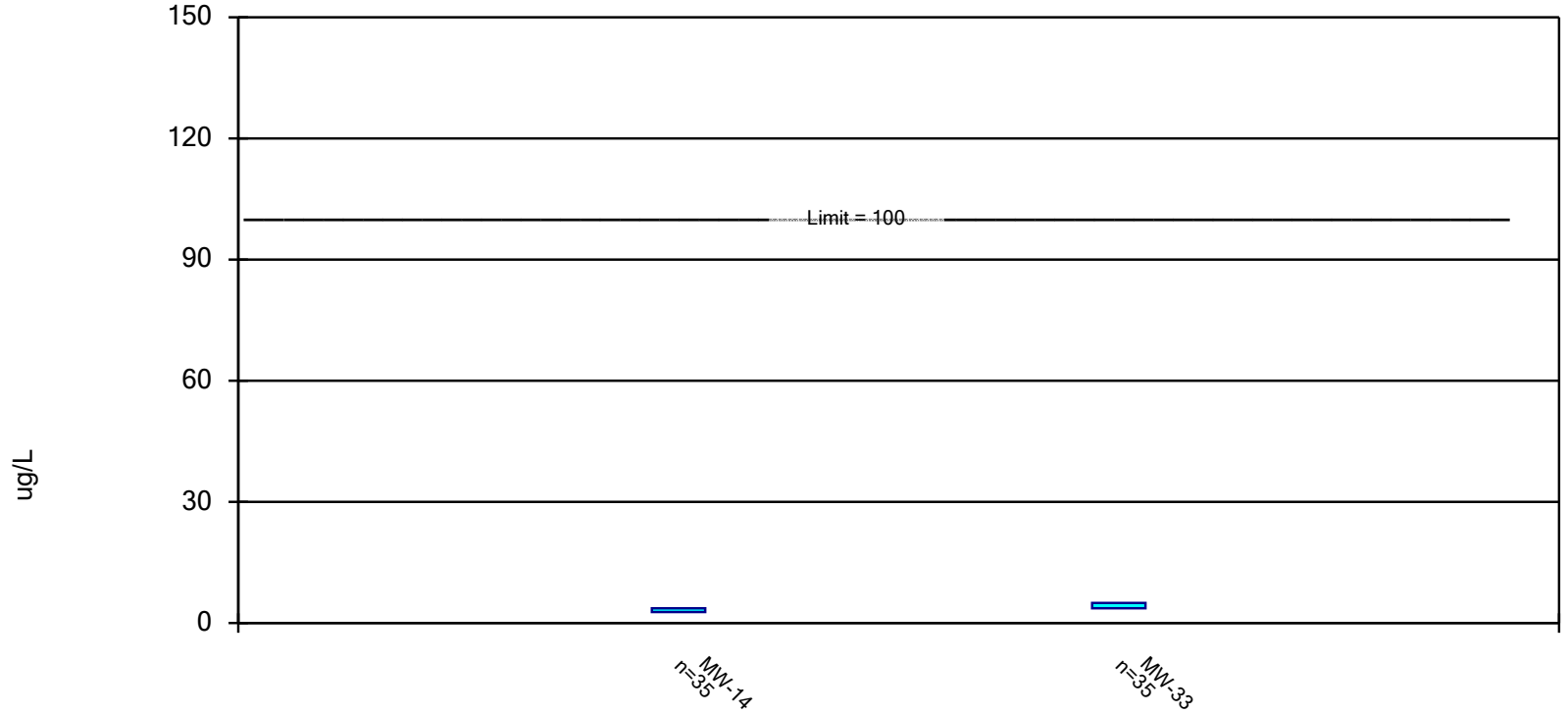
Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chlorobenzene Analysis Run 5/20/2025 2:28 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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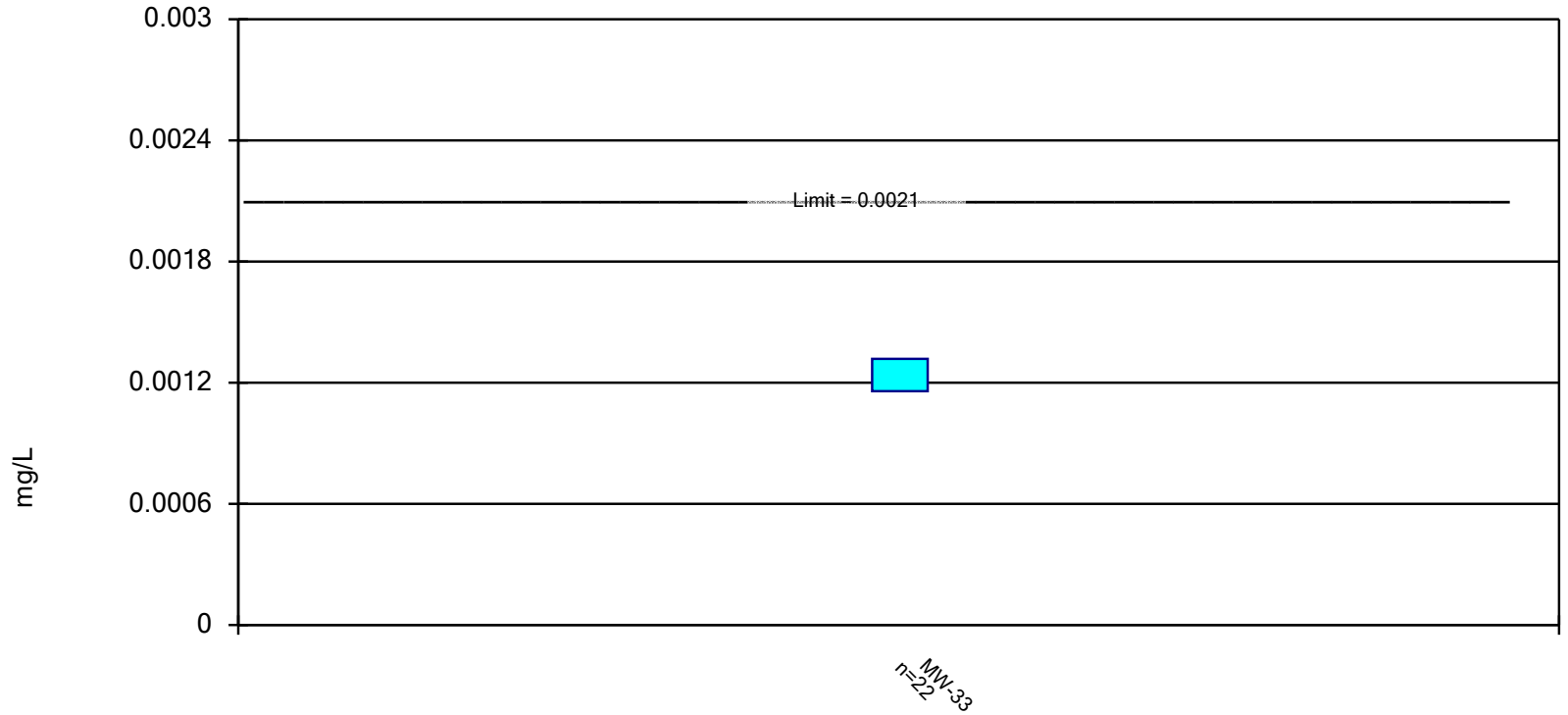
Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 5/20/2025 2:28 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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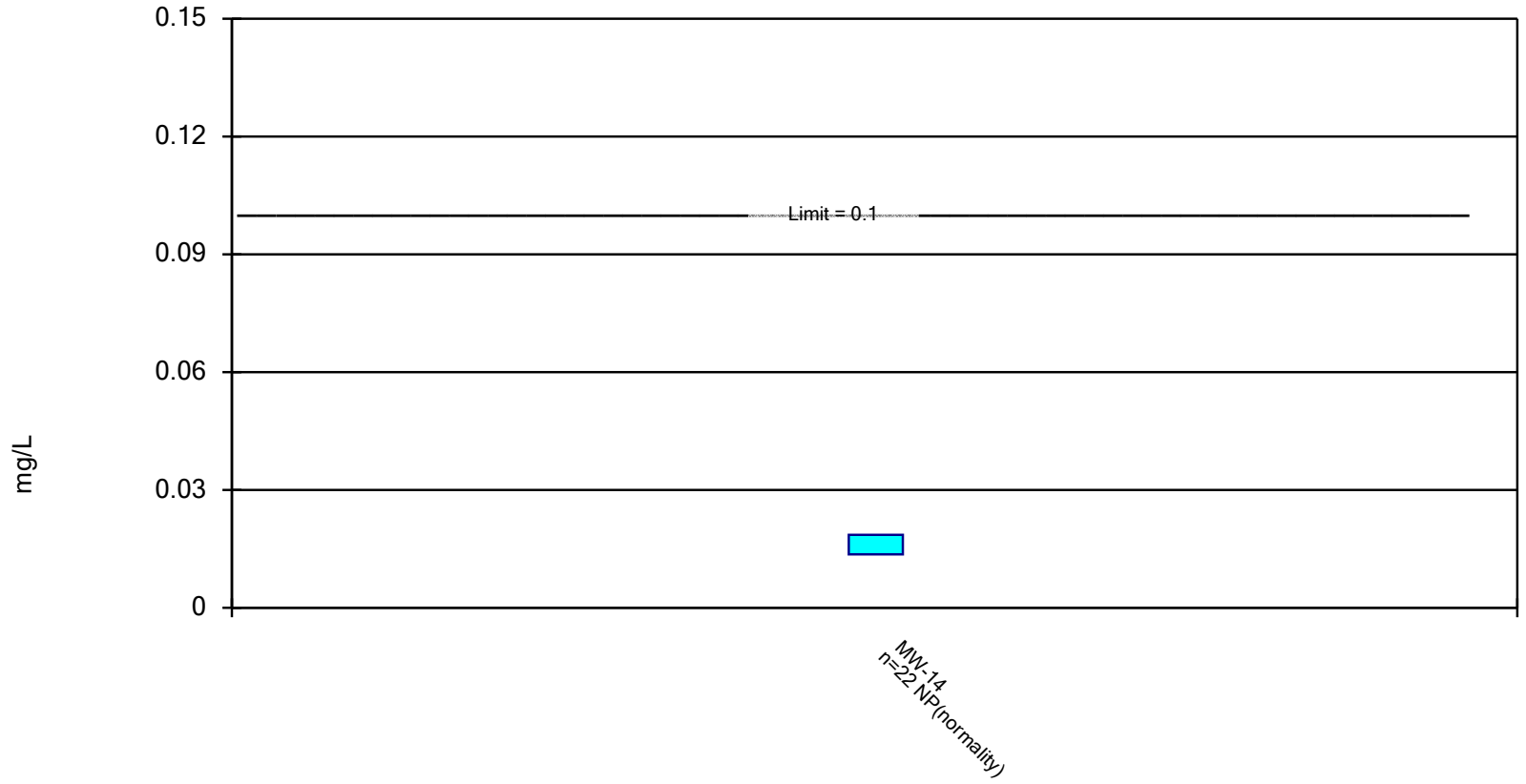
Non-Parametric Confidence Interval - Corrective Action Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01. - Assessment Constituents



Constituent: Nickel Analysis Run 5/20/2025 2:28 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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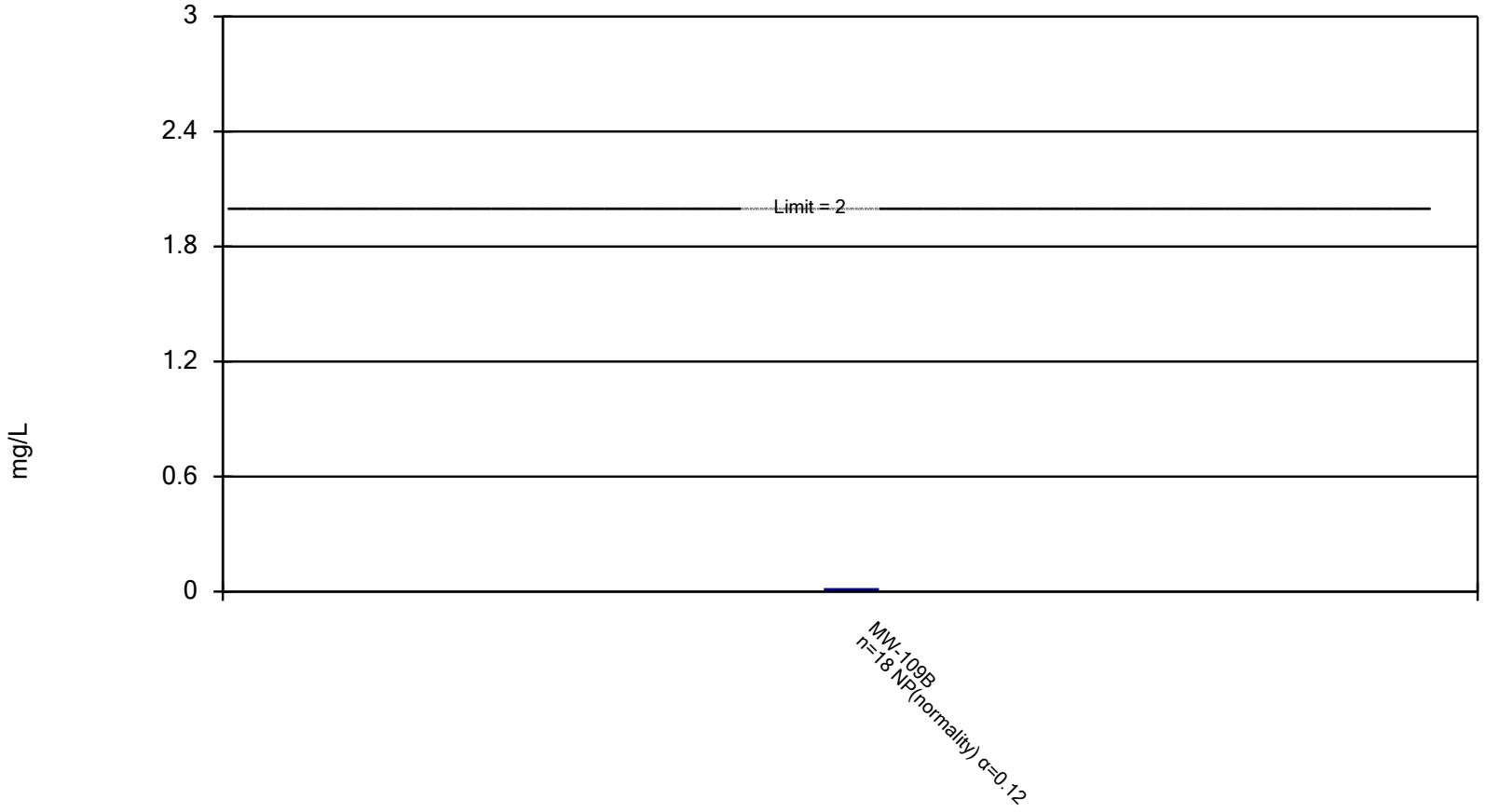
Non-Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded.



Constituent: Zinc Analysis Run 5/20/2025 2:37 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

Attachment 5

Sanitas Report Output for Confidence Interval Calculations and Regression Summary
Corrective Action Mode

Upper Bedrock

Confidence Interval - Corrective Action Mode [1]

Constituent Name	Well	Upper Limit	Lower Limit	Compliance Limit [2,3]	Exceed	N	Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Corrective Action Monitoring Locations													
Arsenic (mg/L)	MW-12	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											
Arsenic (mg/L)	MW-13	0.0542	0.0454	0.01	Yes	35	0.050	0.020	0	None	No	0.1	Param.
Arsenic (mg/L)	MW-16	0.1286	0.1020	0.01	Yes	35	0.115	0.060	0	None	No	0.1	Param.
Arsenic (mg/L)	MW-17	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											
Arsenic (mg/L)	MW-32	0.0889	0.0510	0.01	Yes	35	0.100	0.090	0	None	No	0.1	NP (normality)

[1] Under corrective action mode, an SSL is rejected when the upper confidence limit lies below the groundwater protection standard (compliance limit).

[2] Value is the 40 CFR Part 141 Safe Drinking Water Act MCL or the IAC 567 Chapter 137 Statewide Standard for a Protected Groundwater Source.

MW-12 Arsenic Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.508424326
R Square	0.258495295
Adjusted R Square	0.236025456
Standard Error	0.029027914
Observations	35

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.009693583	0.0096936	11.504101	0.00181801
Residual	33	0.027806453	0.0008426		
Total	34	0.037500036			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	0.52843588	0.114828438	4.60196	5.931E-05	0.29481567	0.7620561	0.2948157	0.762056094
X Variable 1	-9.12642E-06	2.69076E-06	-3.39177	0.001818	-1.46E-05	-3.65E-06	-1.46E-05	-3.65204E-06

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
8/6/2008	0.113	0.1664	0.1823	0.1506	0.2181	0.1148
3/6/2009	0.1632	0.1645	0.1795	0.1494	0.2159	0.1131
7/17/2009	0.15	0.1633	0.1778	0.1487	0.2145	0.1120
9/17/2009	0.137	0.1627	0.1770	0.1484	0.2139	0.1115
3/17/2010	0.177	0.1611	0.1747	0.1474	0.2120	0.1101
9/7/2010	0.163	0.1595	0.1725	0.1464	0.2103	0.1086
3/4/2011	0.238	0.1578	0.1703	0.1454	0.2085	0.1072
9/7/2011	0.169	0.1561	0.1679	0.1443	0.2067	0.1056
3/12/2012	0.154	0.1544	0.1656	0.1432	0.2048	0.1040
9/11/2012	0.177	0.1528	0.1634	0.1421	0.2030	0.1025
3/26/2013	0.156	0.1510	0.1611	0.1408	0.2011	0.1008
9/4/2013	0.138	0.1495	0.1592	0.1398	0.1996	0.0994
3/10/2014	0.139	0.1478	0.1571	0.1385	0.1978	0.0978
9/17/2014	0.135	0.1460	0.1550	0.1371	0.1960	0.0961
3/12/2015	0.155	0.1444	0.1531	0.1357	0.1943	0.0945
10/6/2015	0.172	0.1425	0.1510	0.1341	0.1924	0.0927
3/14/2016	0.13	0.1411	0.1494	0.1327	0.1909	0.0912
8/19/2016	0.128	0.1396	0.1479	0.1313	0.1895	0.0898
3/13/2017	0.14	0.1378	0.1461	0.1294	0.1876	0.0879
8/28/2017	0.124	0.1362	0.1447	0.1278	0.1861	0.0864
3/14/2018	0.149	0.1344	0.1431	0.1258	0.1843	0.0845
8/30/2018	0.128	0.1329	0.1418	0.1240	0.1828	0.0829
3/26/2019	0.126	0.1310	0.1403	0.1217	0.1810	0.0810
8/28/2019	0.0702	0.1296	0.1392	0.1199	0.1796	0.0795
4/1/2020	0.104	0.1276	0.1377	0.1174	0.1778	0.0774
8/18/2020	0.0963	0.1263	0.1369	0.1158	0.1766	0.0761
3/25/2021	0.133	0.1243	0.1355	0.1131	0.1747	0.0739
8/23/2021	0.149	0.1229	0.1346	0.1113	0.1734	0.0725
3/30/2022	0.144	0.1209	0.1333	0.1086	0.1716	0.0703
8/30/2022	0.14	0.1195	0.1324	0.1066	0.1703	0.0688
3/23/2023	0.116	0.1177	0.1313	0.1041	0.1687	0.0667
8/24/2023	0.156	0.1163	0.1305	0.1021	0.1674	0.0651
3/28/2024	0.152	0.1143	0.1293	0.0993	0.1657	0.0629
8/20/2024	0.114	0.1130	0.1285	0.0974	0.1645	0.0614
3/25/2025	0.0405	0.1110	0.1274	0.0946	0.1628	0.0592

GWPS = 0.01 mg/L

Projected Year to Attain Compliance with the GWPS (Assuming Future First Order Attenuation Instead of Linear Decay)

2/10/2108 -4.605 0.01

Projected Year to Completion

2/9/2111

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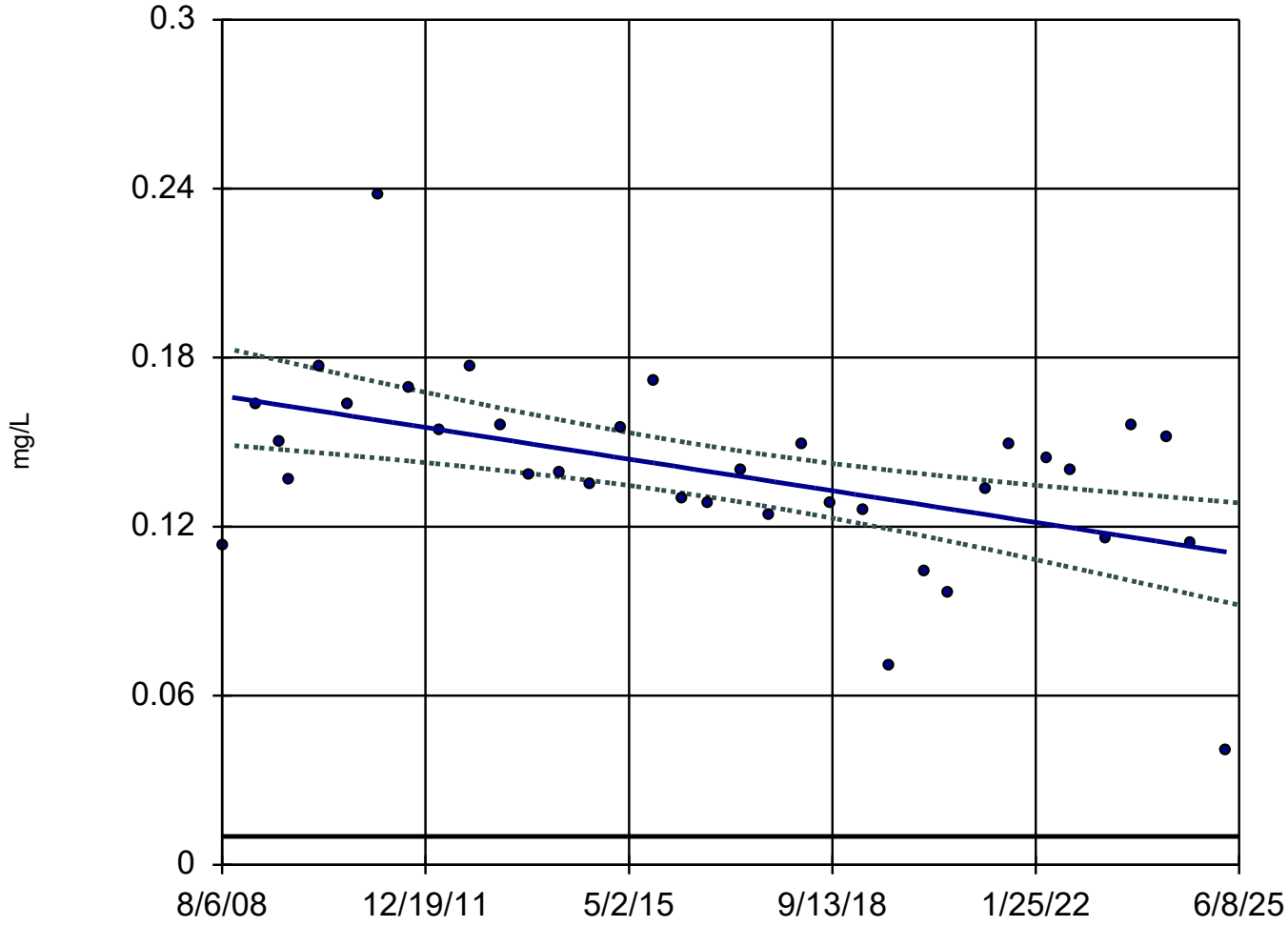
Linear Regression and 90% Confidence Band

MW-12



n = 35

Slope = -0.003333 units/year.

alpha = 0.02
t = -3.391
critical = -2.138

Significant decreasing trend.

Normality test on residuals:
Shapiro Wilk @alpha = 0.01, calculated = 0.9615, critical = 0.91.

GWPS = 0.01.

Constituent: Arsenic Analysis Run 5/22/2025 2:32 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

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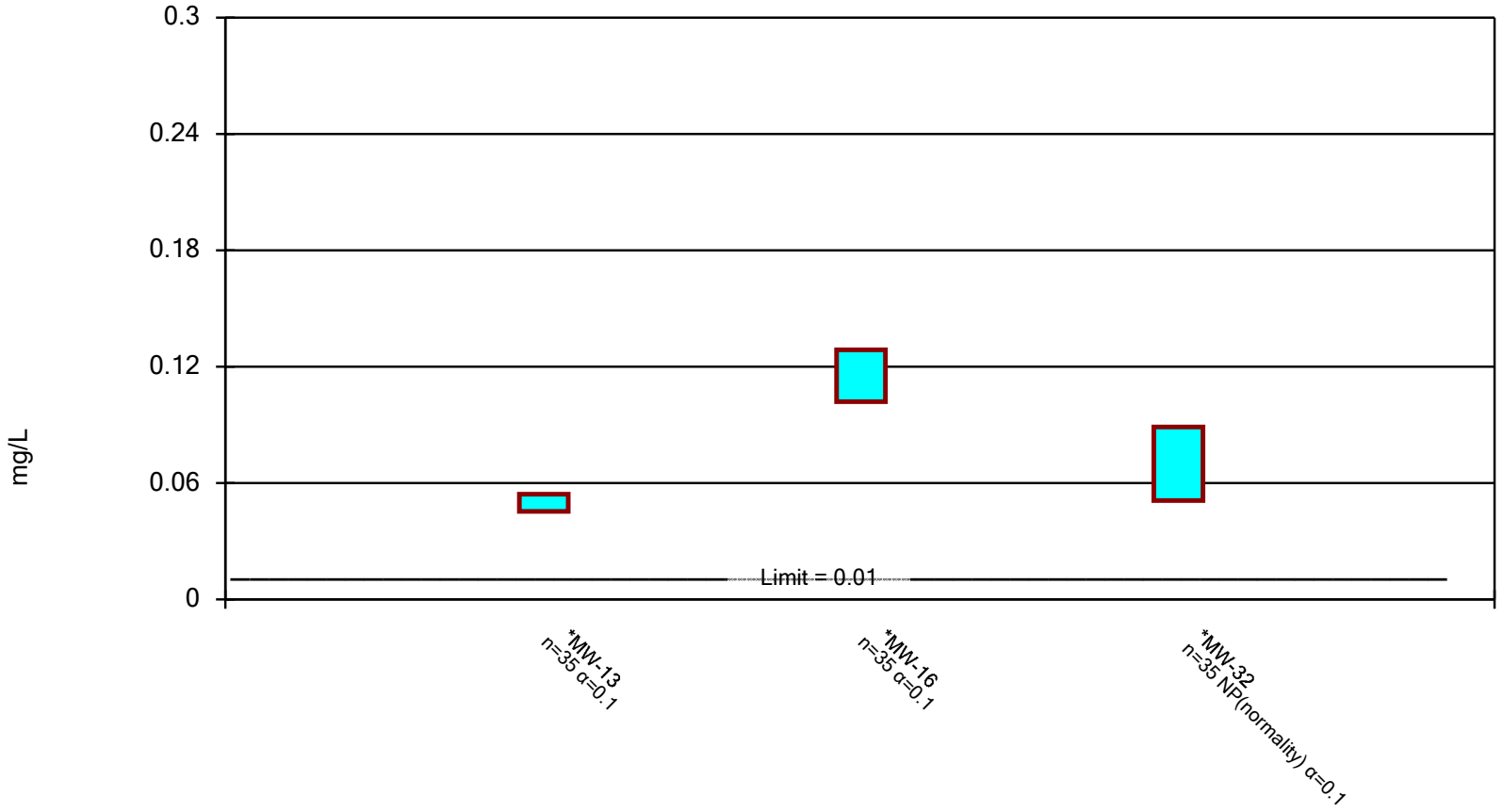
Parametric and Non-Parametric (NP) Confidence Interval, Corrective Action Mode

Compliance limit is exceeded.* Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 5/22/2025 3:19 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

MW-17 Arsenic Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.606152097
R Square	0.367420365
Adjusted R Square	0.314705395
Standard Error	0.016641928
Observations	14

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.001930352	0.0019304	6.9699436	0.02157116
Residual	12	0.003323445	0.000277		
Total	13	0.005253797			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	0.778124534	0.26864339	2.8964961	0.0134133	0.19280087	1.3634482	0.1928009	1.363448199
X Variable 1	-1.59219E-05	6.03087E-06	-2.640065	0.0215712	-2.906E-05	-2.78E-06	-2.906E-05	-2.78175E-06

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
8/30/2018	0.105	0.0880	0.1031	0.0729	0.1213	0.0548
3/21/2019	0.0729	0.0848	0.0981	0.0715	0.1173	0.0523
8/22/2019	0.095	0.0824	0.0944	0.0703	0.1144	0.0504
3/30/2020	0.066	0.0788	0.0892	0.0685	0.1102	0.0474
8/20/2020	0.096	0.0766	0.0860	0.0671	0.1077	0.0454
3/25/2021	0.0638	0.0731	0.0815	0.0647	0.1039	0.0423
8/24/2021	0.0599	0.0707	0.0787	0.0627	0.1014	0.0400
3/31/2022	0.0316	0.0672	0.0752	0.0592	0.0979	0.0365
8/25/2022	0.0808	0.0649	0.0733	0.0565	0.0957	0.0340
3/24/2023	0.0675	0.0615	0.0709	0.0521	0.0926	0.0304
8/29/2023	0.048	0.0590	0.0694	0.0486	0.0904	0.0275
3/24/2024	0.0554	0.0557	0.0677	0.0437	0.0877	0.0237
8/13/2024	0.0707	0.0534	0.0666	0.0402	0.0859	0.0210
3/27/2025	0.0532	0.0498	0.0650	0.0346	0.0831	0.0165

GWPS = 0.01 mg/L

Projected Year to Attain Compliance with the GWPS (Assuming Future First Order Attenuation Instead of Linear Decay)

5/26/2045 -4.605 0.01

Projected Year to Completion

5/25/2048

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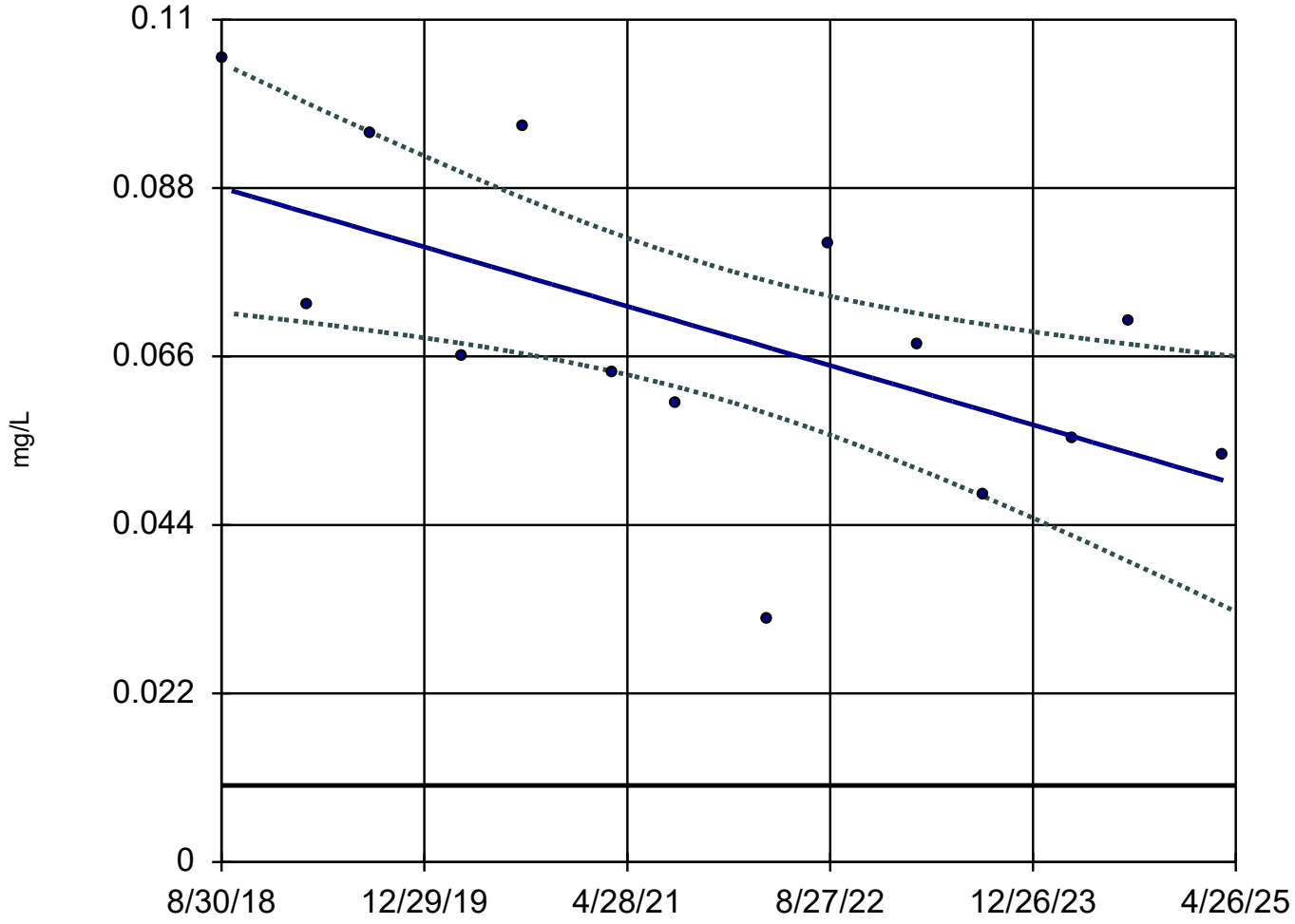
Linear Regression and 90% Confidence Band

MW-17



n = 14

Slope = -0.005812 units/year.

alpha = 0.02
t = -2.64
critical = -2.303

Significant decreasing trend.

Normality test on residuals:
Shapiro Wilk @alpha
= 0.01, calculated
= 0.9087, critical
= 0.825.

GWPS = 0.01.

Constituent: Arsenic Analysis Run 5/22/2025 2:33 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

Deeper Bedrock

Confidence Interval - Corrective Action Mode [1]

Constituent Name	Well	Upper Limit	Lower Limit	Compliance Limit [2]	Exceeds	N	Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Delineation Monitoring Locations													
Arsenic (mg/L)	MW-109B	0.0208	0.0181	0.01	Yes	18	0.0194	0.0043	0	None	No	0.1	Param.
Cobalt (mg/L)	MW-109B	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											
Thallium (mg/L)	MW-109B	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											
Corrective Action Monitoring Locations													
Arsenic (mg/L)	MW-14	0.0253	0.0199	0.01	Yes	35	0.0289	0.0266	0	None	No	0.1	NP (normality)
Arsenic (mg/L)	MW-33	0.0388	0.0348	0.01	Yes	35	0.0368	0.0090	0	None	No	0.1	Param.

[1] Under corrective action mode, an SSL is rejected when the upper confidence limit lies below the groundwater protection standard (compliance limit).

[2] Value is the 40 CFR Part 141 Safe Drinking Water Act MCL or the IAC 567 Chapter 137 Statewide Standard for a Protected Groundwater Source.

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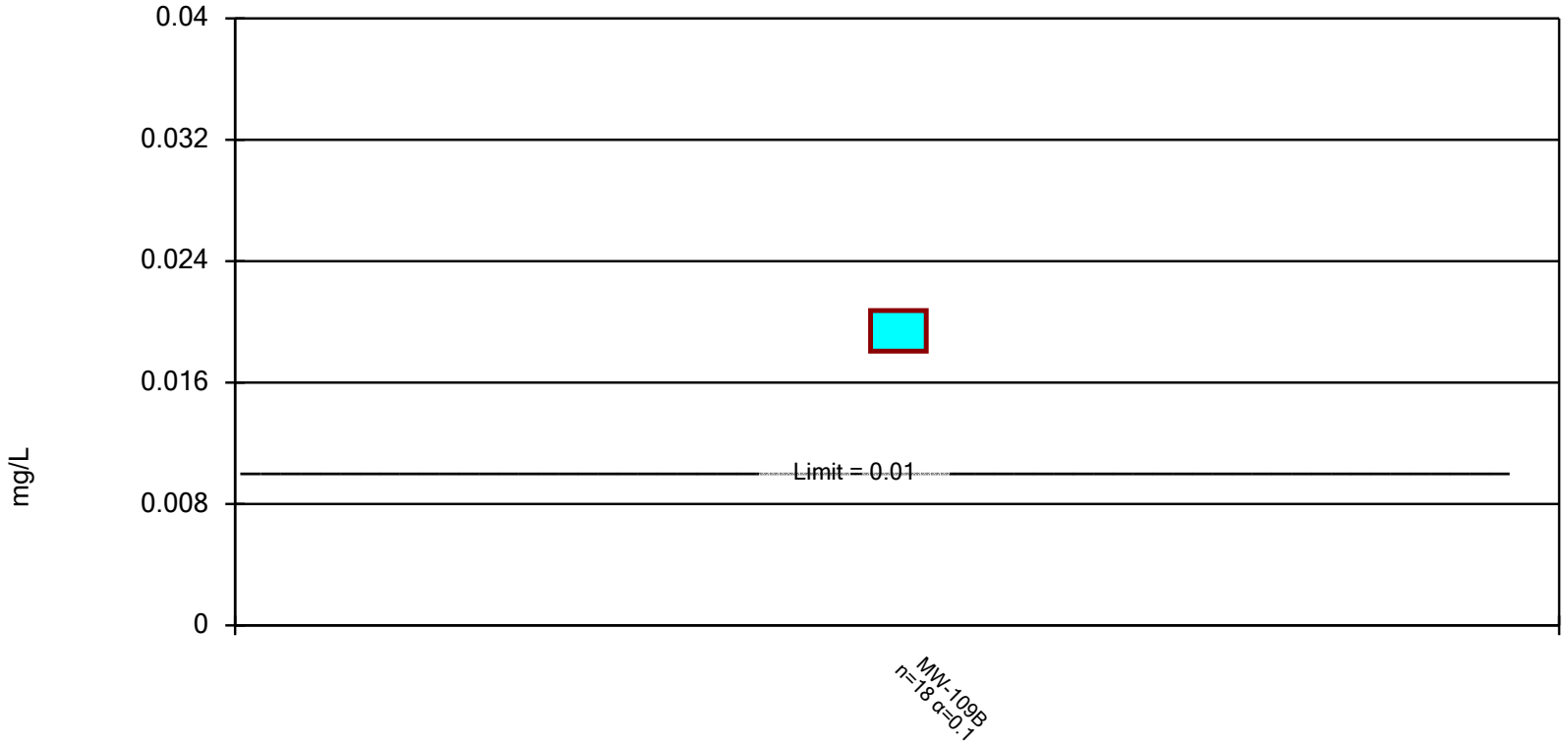
Parametric Confidence Interval, Corrective Action Mode

Compliance limit is exceeded. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 5/22/2025 3:22 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

MW-109B Cobalt Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.608240932
R Square	0.369957032
Adjusted R Square	0.330579346
Standard Error	0.002259214
Observations	18

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	4.7953E-05	4.795E-05	9.3950934	0.00740066
Residual	16	8.16648E-05	5.104E-06		
Total	17	0.000129618			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	0.103974363	0.027796793	3.7405164	0.0017831	0.04504779	0.1629009	0.0450478	0.162900932
X Variable 1	-1.92507E-06	6.28054E-07	-3.065142	0.0074007	-3.256E-06	-5.94E-07	-3.256E-06	-5.93659E-07

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
11/27/2017	0.0269	0.02107	0.02267	0.01947	0.02532	0.01681
3/8/2018	0.0191	0.02087	0.02238	0.01937	0.02510	0.01665
6/15/2018	0.0232	0.02068	0.02211	0.01926	0.02488	0.01649
9/4/2018	0.0214	0.02053	0.02189	0.01917	0.02470	0.01636
11/27/2018	0.0192	0.02037	0.02166	0.01907	0.02452	0.01622
4/19/2019	0.016	0.02009	0.02128	0.01890	0.02421	0.01597
8/27/2019	0.0181	0.01984	0.02095	0.01873	0.02394	0.01574
3/31/2020	0.0184	0.01942	0.02042	0.01843	0.02349	0.01535
8/20/2020	0.0194	0.01915	0.02010	0.01820	0.02321	0.01509
3/25/2021	0.018	0.01873	0.01966	0.01780	0.02278	0.01468
8/23/2021	0.0168	0.01844	0.01939	0.01749	0.02250	0.01438
3/31/2022	0.0163	0.01802	0.01905	0.01699	0.02209	0.01394
8/25/2022	0.0191	0.01773	0.01884	0.01663	0.02183	0.01364
3/23/2023	0.0173	0.01733	0.01858	0.01608	0.02147	0.01319
8/24/2023	0.0169	0.01703	0.01840	0.01567	0.02121	0.01286
3/28/2024	0.0191	0.01662	0.01816	0.01507	0.02085	0.01238
8/15/2024	0.0173	0.01635	0.01802	0.01467	0.02063	0.01206
3/26/2025	0.0157	0.01592	0.01780	0.01404	0.02029	0.01155

GWPS = 0.0021 mg//L

Projected Year to Attain Compliance with the GWPS (Assuming Future First Order Attenuation Instead of Linear Decay)

7/30/2083 -6.166 0.0021

Projected Year to Completion

7/29/2086

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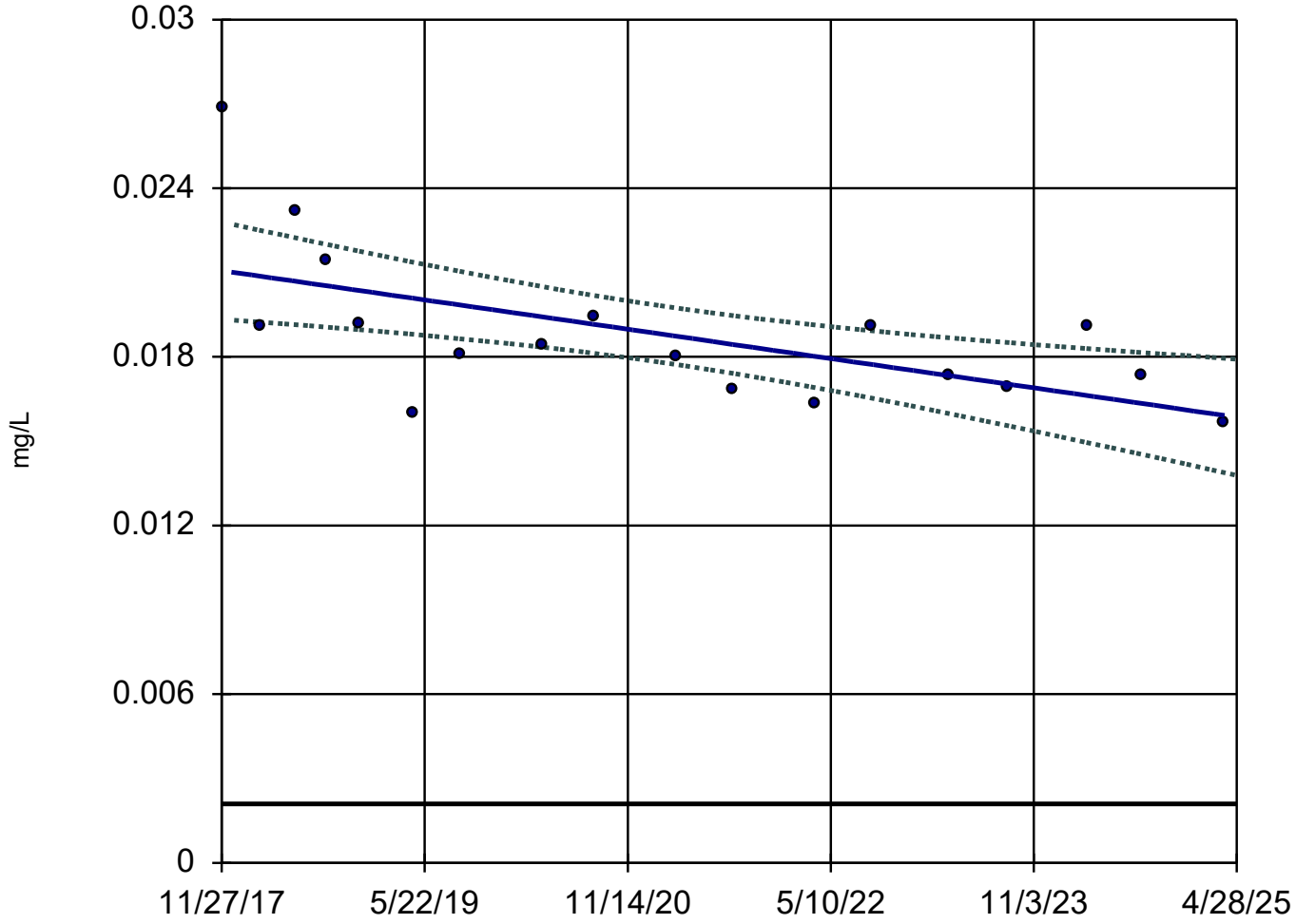
Linear Regression and 90% Confidence Band

MW-109B



n = 18

Slope = -0.0007031 units/year.

alpha = 0.02
t = -3.064
critical = -2.235

Significant decreasing trend.

Normality test on residuals:
Shapiro Wilk @alpha
= 0.01, calculated
= 0.9366, critical
= 0.858.

GWPS = 0.0021.

Constituent: Cobalt Analysis Run 5/22/2025 2:54 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

MW-109B Thallium Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.514784877
R Square	0.265003469
Adjusted R Square	0.219066186
Standard Error	0.000535158
Observations	18

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.65215E-06	1.652E-06	5.7688102	0.02881387
Residual	16	4.5823E-06	2.864E-07		
Total	17	6.23445E-06			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	0.020540175	0.006584443	3.1195008	0.0066044	0.00658178	0.0344986	0.0065818	0.034498571
X Variable 1	-3.57326E-07	1.48772E-07	-2.401835	0.0288139	-6.727E-07	-4.19E-08	-6.727E-07	-4.19432E-08

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
11/27/2017	0.00463	0.00515	0.00553	0.00477	0.00616	0.00414
3/8/2018	0.0052	0.00512	0.00547	0.00476	0.00612	0.00412
6/15/2018	0.00513	0.00508	0.00542	0.00474	0.00607	0.00409
9/4/2018	0.00531	0.00505	0.00537	0.00473	0.00604	0.00406
11/27/2018	0.00453	0.00502	0.00533	0.00471	0.00600	0.00404
4/19/2019	0.00464	0.00497	0.00525	0.00469	0.00595	0.00399
8/27/2019	0.00482	0.00492	0.00519	0.00466	0.00589	0.00395
3/31/2020	0.00557	0.00485	0.00508	0.00461	0.00581	0.00388
8/20/2020	0.00446	0.00480	0.00502	0.00457	0.00576	0.00383
3/25/2021	0.00525	0.00472	0.00494	0.00450	0.00568	0.00376
8/23/2021	0.00475	0.00466	0.00489	0.00444	0.00562	0.00370
3/31/2022	0.00456	0.00459	0.00483	0.00434	0.00555	0.00362
8/25/2022	0.00557	0.00453	0.00479	0.00427	0.00550	0.00356
3/23/2023	0.00515	0.00446	0.00475	0.00416	0.00544	0.00348
8/24/2023	0.00342	0.00440	0.00473	0.00408	0.00539	0.00341
3/28/2024	0.00452	0.00433	0.00469	0.00396	0.00533	0.00332
8/15/2024	0.00378	0.00428	0.00467	0.00388	0.00529	0.00326
3/26/2025	0.00382	0.00420	0.00464	0.00375	0.00523	0.00316

GWPS = 0.002 mg//L

Projected Year to Attain Compliance with the GWPS (Assuming Future First Order Attenuation Instead of Linear Decay)

4/10/2049 -6.215 0.002

Projected Year to Completion

4/9/2052

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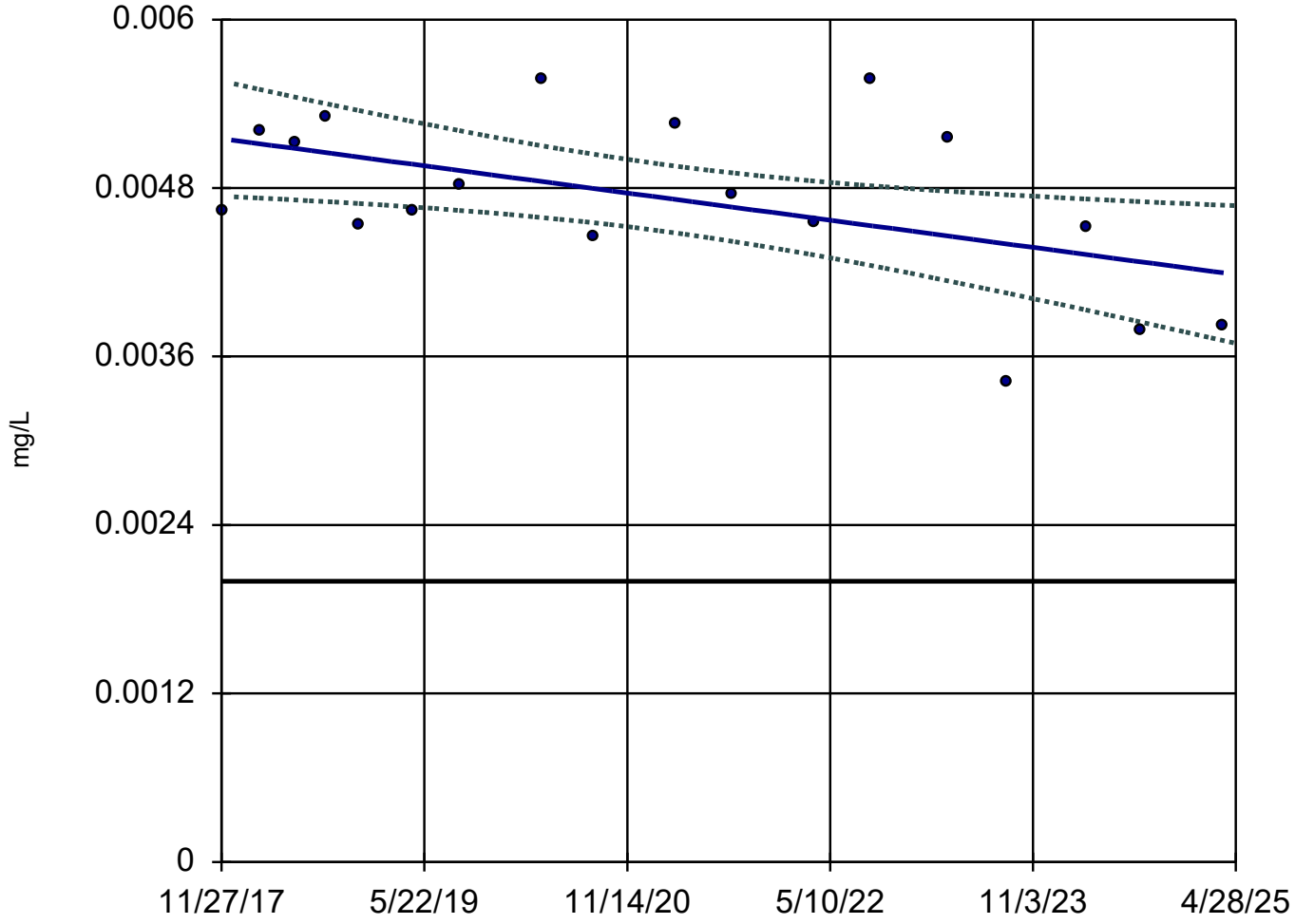
Linear Regression and 90% Confidence Band

MW-109B



n = 18

Slope = -0.0001305 units/year.

alpha = 0.02
t = -2.401
critical = -2.235

Significant decreasing trend.

Normality test on residuals:
Shapiro Wilk @alpha
= 0.01, calculated
= 0.9736, critical
= 0.858.

GWPS = 0.002.

Constituent: Thallium Analysis Run 5/22/2025 2:56 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

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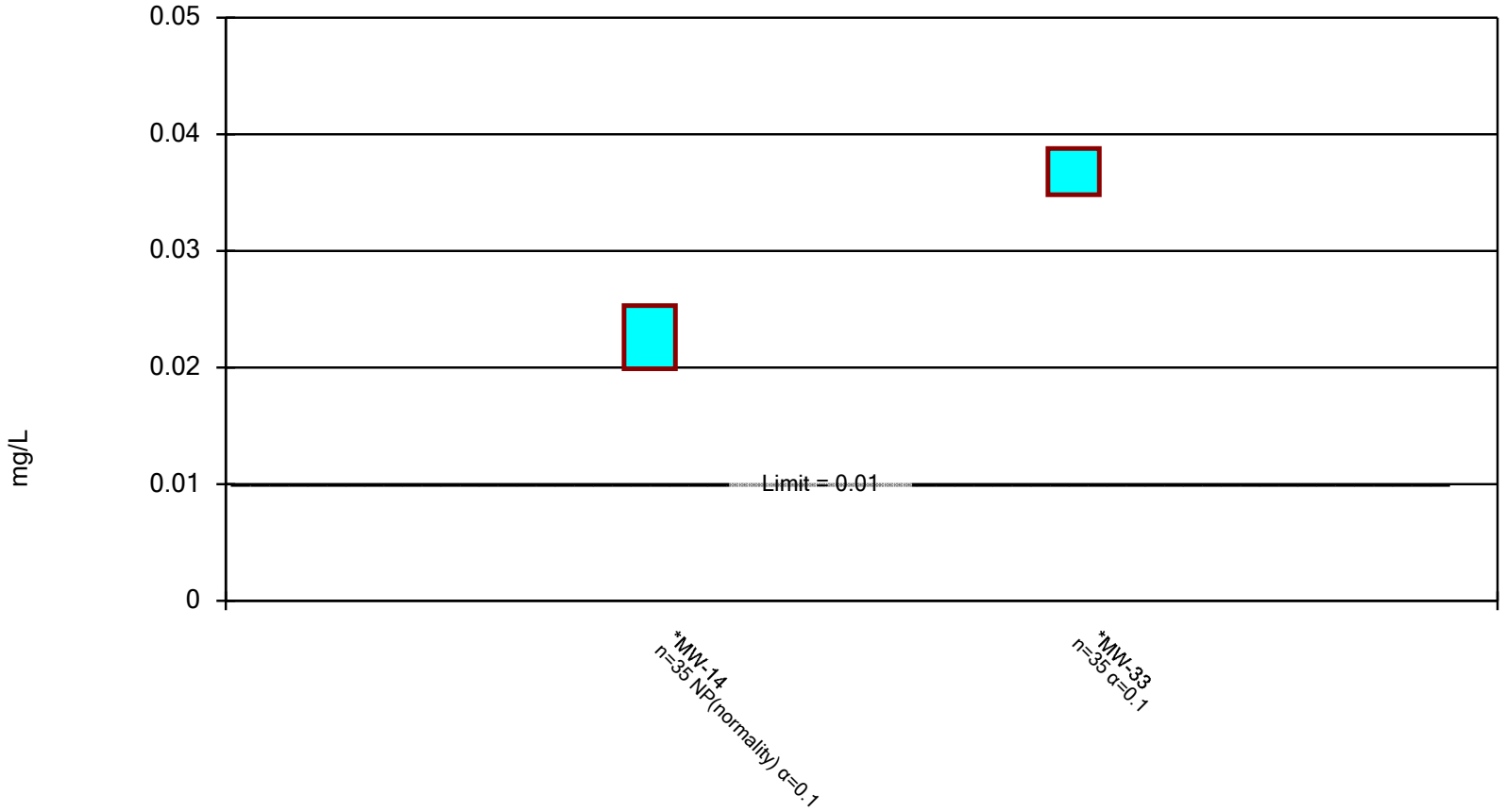
Parametric and Non-Parametric (NP) Confidence Interval, Corrective Action Mode

Compliance limit is exceeded.* Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 5/22/2025 3:22 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Spring 2025 Evaluation

Attachment 6

References

References

Foth Infrastructure and Environment (Foth), 2012. *2011 Annual Water Quality Report, Cedar Rapids/Linn County Solid Waste Agency Site No.1, IDNR Permit No. 57-SDP-03-75C, Project ID: 11C050.00*. December 29. [Doc. #68145].

Iowa Department of Natural Resources (Matthew R. Phoenix, P.E.), Letter to Karmin McShane, 12 May 2016. "Cedar Rapids/Linn County Solid Waste Agency Sanitary Landfill (Site #1 – Cedar Rapids), 2015 Annual Water Quality Report and 2015 Statistical Notifications, Permit No. 57-SDP-03-75C." [Doc. #86317].

Iowa Department of Natural Resources (Matthew Graesch), Letter to Karmin McShane, 20 Nov 2017. "Cedar Rapids/Linn County Solid Waste Agency Sanitary Landfill #1, Permit No. 57-SDP-03-75C, Response to Fall 2017 Statistical Notifications (doc #90813)." [Doc. #90850].

United States Environmental Protection Agency (USEPA), 1997. *The Lognormal Distribution in Environmental Applications*. EPA/600/R97/006. Office of Solid Waste and Emergency Response, Washington, D.C.

USEPA, 2006. *On the Computation of a 95% Upper Confidence Limit of the Unknown Population Mean Based Upon Data Sets with Below Detection Limit Observations*. EPA/600/R-06/022. Office of Research and Development, Washington, D.C.

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

Memorandum

411 6th Avenue SE, Suite 400
Cedar Rapids, IA 52401
(319) 365-9565
foth.com

August 5, 2025

TO: Iowa Department of Natural Resources

FR: Gina Wilming; Hannah Dubbs

RE: Site 1 Statistical Analysis - Summer 2025 Evaluation

1 Memorandum Organization

This memo addresses the statistical analysis of the groundwater monitoring data collected in June 2025. The statistical methods and results are summarized, with the memo organization given as follows:

Page
1 Memorandum Organization 1
2 Background 1
3 Statistical Methodology 1
4 Comparison to Background Levels 2
4.1 Double Quantification Rule 2
5 Conclusions 2

Attachments

Attachment 1 Detailed Discussion of Statistical Methods
Attachment 2 Sanitas Report Output for Double Quantification Rule Evaluations
Attachment 3 References

2 Background

In June 2025, a resample was collected for lead and total suspended solids (TSS) in MW-33 since the March 2025 lead result was rejected during data validation. The analytical result for the resample will be provided in Table 14 of the 2025 Annual Water Quality Report (AWQR).

Under the detection monitoring program of 567 IAC 113.10(5), Appendix I monitoring results are statistically compared to background levels as given in 567 IAC 113.10(6)e. Based on the August 2008 through June 2025 results, this memo presents an evaluation of statistically significant increases (SSIs) under the requirements of paragraphs 113.10(4)g and h of 567 IAC.

3 Statistical Methodology

The statistical method utilized for evaluating the resample result was consistent with the methods used in previous statistical evaluations. Detailed descriptions of the statistical methods are provided in Attachment 1. Sanitas® v10.0 (Sanitas Technologies) software was utilized to complete the statistical comparison.

4 Comparison to Background Levels

4.1 Double Quantification Rule

The Double Quantification Rule (DQR) was used to evaluate an SSI over background for lead in MW-33. The DQR output is included in Attachment 2. A single DQR was not identified for the June 2025 lead result; therefore, an SSI was not declared for lead in MW-33.

5 Conclusions

In June 2025, a resample was collected for lead and total suspended solids (TSS) in MW-33 since the March 2025 lead result was rejected during data validation. The methodology described in Attachment 1 was utilized to conduct the statistical evaluation for the resample collected at MW-33. An SSI was not identified for lead in MW-33. MW-33 will continue semiannual corrective action monitoring for the Appendix I and detected Appendix II constituents in Fall 2025.

Attachment 1
Detailed Discussion of Statistical Methods

Foth

Memorandum

Statistical Methodology

1. Comparison to Background

For determining which parameters will need a formal statistical treatment, the Unified Guidance (USEPA, 2009) suggests splitting monitoring parameters into three distinct groups: a) reliable indicators selected for formal testing; b) other analytes which are monitored for general groundwater quality information but not statistically tested; and c) those meeting the "never-detected" criteria. Only those parameters with some historically detected presence in background need to be included in the first group and treated with a formal statistical test. Any parameter that has never been detected in background is eligible for the third group of "never-detected" constituents. Constituents with detections below the reporting limit (J-flagged data) will be considered "never-detected." As a means of evaluating the third group, the Unified Guidance suggests the Double Quantification Rule (DQR). The DQR is stated in the Unified Guidance as:

"A confirmed exceedance is registered if any well-constituent pair in the '100% non-detect' group exhibits quantified measurements [i.e., at or above the reporting limit (RL)] in two consecutive sample and resample events."

The Unified Guidance also recommends establishing background sample sizes as large as feasible. The guidance recognizes that small sample sizes in background can be "particularly" troublesome, especially in controlling statistical test false positive and negative rates. With parametric tests (such as parametric prediction limits), the false positive rate may be controlled, but at the expense of statistical power. With non-parametric tests (such as non-parametric prediction limits or the "quasi-statistical" DQR), the false positive rate may be unacceptably high. The Unified Guidance suggests that generally at least 8 to 10 separate background measurements be available, recognizing that statistical power continues to increase with larger sample sizes.

In reports prior to the *2011 Annual Water Quality Report* (Foth, 2012), the ANOVA and a "2x2 contingency table" methods were used to evaluate statistically significant increases (SSIs) over background. These methods met the criteria of 567 Iowa Administrative Code (IAC) 113.10(4)g and h. The ANOVA and "2x2 contingency table" methods were used to maximize the statistical power while minimizing potentially large false positive rates as a result of the smaller sample sizes.

Starting with the *2011 Annual Water Quality Report* (Foth, 2012), the statistical analysis methods utilized for comparison to background were the DQR and "1-of-3" interwell prediction limits as recommended in the Unified Guidance (USEPA, 2009). Note that a "1-of-2" retesting plan was not selected as it would have resulted in a 'low' effective statistical power level for the site based on USEPA reference power curves as defined in the Unified Guidance.

Starting with the Spring 2021 statistical evaluation, the interwell prediction limit retesting plan was modified to a "1-of-2" plan. With increases in the number of background samples, a "1-of-2" plan was able to achieve a 'good' effective statistical power level for the site based on the USEPA reference power curves.

Expansion of the Background Data Set

The background data set was modified in 2013 to add MW-101A and MW-101B to the upper bedrock and deeper bedrock background data sets, respectively. The statistical analysis methods continued the DQR and "1-of-2" interwell prediction limits as recommended in the Unified Guidance (USEPA, 2009), utilizing the pooled data from MW-37 and MW-101A for the upper bedrock system and MW-38 and MW-101B for the deeper bedrock system.

Double Quantification Rule

The DQR will be used to evaluate SSIs over background for the Appendix I and II constituents that were not detected above the reporting limit in the background data sets. An SSI will be indicated for any well-constituent pair with quantified measurements at or above the reporting limit noted for two consecutive sample and resample events. If applicable, the resample will be collected prior to next semiannual sampling event.

Interwell Prediction Limits

Interwell prediction limits will be used to statistically evaluate SSIs over background for the Appendix I and II constituents which have been detected above the reporting limit in the background data set. A "1-of-2" retesting plan will be utilized on individual sample results. The 1-of-2 retesting plan as defined in the Unified Guidance concludes that an SSI has occurred when two out of two sample results exceed the prediction limit, while no SSI is concluded if 1-of-2 are below the limit. If applicable, the resample will be collected prior to next semiannual sampling event. The prediction limit for each constituent will be recalculated semiannually.

For interwell constituents with less than or equal to 50% detects in the background data set, a non-parametric prediction limit will be utilized. The non-parametric prediction limit will be taken as the maximum order statistic (maximum value) of the background data.

For interwell constituents with greater than 50% detects in the background data set, normality assumptions will be verified using the Shapiro-Wilk normality test. If the background data is not normally distributed, a non-parametric prediction limit will be utilized (as described in the paragraph above). If the background data is normally distributed or can be fit to a normal distribution utilizing a normalizing transformation, then a normal-based parametric prediction limit will be applied.

When considering a lognormal prediction limit, a comparison will be made to the maximum order statistic for the background data set. Lognormal prediction limits can be sensitive to smaller departures from lognormality. That is, if data are not truly lognormal, but also not rejected as lognormal, the prediction limit may be inflated because of the transformation. In choosing a lognormal limit, in addition to the percent detections and lognormal goodness of fit criteria, an additional convention will be applied. If the lognormal limit exceeds the level of twice the maximum background concentration, it is assumed that the lognormal model does not adequately fit the background distribution and a non-parametric prediction limit will be selected.

For interwell constituents with 50% to 85% detects in the background data set, Kaplan-Meier estimation will be applied to manage statistical bias introduced by non-detects. For interwell constituents with over 85% detects in the background data set, half the reporting limit will be used for non-detect data. These estimation methods follow Unified Guidance recommendations and are given in detail in Unified Guidance Chapter 15 (USEPA, 2009).

The parametric prediction limit will be calculated as:

$$PL = \bar{x} + k \cdot s$$

where $\bar{x}$ is the sample mean of the August 2008 through current event background data, *s* is the sample standard deviation, and *k* is the multiplier obtained from the Unified Guidance Table 19-1 (USEPA, 2009) for 1-of-2 interwell prediction limits on observations. In determining *k*, the number of constituents of concern (COCs) for formal statistical evaluation along with the number of downgradient wells need to be identified. Per the basic subdivision discussion presented in Section 19.2.1 of the Unified Guidance, along with the discussion regarding the use of the appendix tables for parametric retesting plans given on pages 19-13 through 19-15 of the Unified Guidance (USEPA, 2009), the *k*-multiplier is chosen based on the number of constituents, wells, and evaluations performed annually. When an exact well and COC configuration is not given in the appendix tables, the *k*-multiplier is linearly interpolated as described on page 19-14 of the Unified Guidance (USEPA, 2009).

Sanitas® v10.0. software (Sanitas Technologies) will be used to check distributional assumptions, perform Kaplan-Meier in the case of 50% to 85% detects in the background data set, and calculate the *k*-multipliers and subsequent prediction limits.

Intrawell Prediction Limits

Intrawell prediction limits are calculated in a similar manner to that described above for the interwell case. A main difference between the two methods is the intrawell limit is calculated from a collection of background measurements within the compliance well. A minimum of eight compliance well background samples will be used when calculating the limit.

A second difference is for the parametric prediction limit, in which the *k*-multiplier is modified from the interwell case, as given in Appendix D Tables 19-10 through 19-18 of the Unified Guidance (USEPA, 2009).

Updating intrawell background is performed periodically. The Unified Guidance (Section 5.3.2) recommends that 4 to 8 new compliance observations be collected prior to updating the background dataset. The guidance also states that "a potential update is predicated on there being no statistically significant increase [SSI] recorded for that well constituent, including since the last update." A two-sample t-test or Wilcoxon rank-sum test between existing intrawell background data and the potential set of newer background data is performed, and a non-significant result (α = 0.05) implies that the newer compliance data can be re-classified as background measurements.

For Wilcoxon rank-sum tests, non-detect results cannot be ranked with certainty and the problem is compounded with multiple PQLs and/or J-flagged values (USEPA, 2009). In comparisons where a substantial fraction of non-detect and/or J-flagged measurements or changing PQLs occur, professional judgment will be utilized for evaluating significant differences between the existing intrawell background data and the potential newer set of background data. Consideration will be given to whether significant differences are due to artificial variation introduced by censored data.

2. Comparison to Groundwater Protection Standard – Assessment Monitoring

According to 567 IAC 113.10(6)f and g, under the assessment monitoring program Appendix II results which have been determined to be statistically above background are also statistically compared to the GWPS. If "Appendix II constituents are detected at statistically significant levels above the GWPS" a notice is placed in the operating record and characterization is begun.

Under 567 IAC 113.10(6)h, the GWPS is the maximum contaminant level (MCL) promulgated under Section 1412 of the Safe Drinking Water Act in 40 Code of Federal Regulations (CFR) Part 141. If no MCL exists, or if background concentrations are higher than the MCL, the GWPS is defined as background. Also, per 567 IAC 113.10(6)i, an alternative GWPS may be established by the department for constituents for which there is no MCL such as the "health-based concentrations that comply with the statewide standards for groundwater established pursuant to 567 IAC Chapter 137."

When the GWPS is background concentrations, the statistical methods discussed in the above "1. Comparison to Background" are used. When the GWPS is the MCL or an alternative health-based concentration, per the Unified Guidance (USEPA, 2009), "confidence intervals are the recommended general statistical strategy in compliance/assessment or corrective action monitoring." In the case of normally distributed data, a normal-based parametric confidence interval is used. If the data are not normally distributed a non-parametric confidence interval on the median is used. A lower 99% confidence limit falling above the GWPS implies that concentrations are detected at statistically significant levels above the GWPS with an α-level of 0.01, which is the minimum RCRA regulatory limit from §264.97(i)(2) for an individual test false positive error rate.

The Unified Guidance recognizes that statistical power is also of prime concern to USEPA and that there "should be a high probability that the statistical test will positively identify concentrations that have exceeded a fixed regulatory standard." In compliance/assessment monitoring, instead of pre-specifying the false positive rate prior to computing confidence interval limits, the Unified Guidance suggests the desired level of power (1-β) should be set as an initial target.

For compliance/assessment monitoring purposes, the Unified Guidance (Chapter 22) suggests evaluating increases in the true concentration mean of 1.5 and 2.0 times a fixed standard. (This is similar in concept to the critical power targets in detection monitoring, i.e., 55-60% power at 3σ above background and 80-85% power at 4σ over background). As a general guide, the Unified Guidance suggests there should be at least 70-80% statistical power for detecting increases of 2 times a fixed standard. Specifically, the Unified Guidance recommends there be 50% power of detecting increases in the true concentration mean of 1.5 times a fixed standard (risk ratio of 1.5) and 80% power of detecting increases in the true concentration mean of 2.0 times a fixed standard (risk ratio of 2.0).

To meet these levels of statistical power, α is chosen based on either Unified Guidance Equation 22.1:

$$1 - \beta = G_{T,n-1}\left(t_{1-\alpha,n-1}\middle|\Delta - \sqrt{n}(R-1)\right);$$

where R is the desired risk ratio, $t_{(1-\alpha,n-1)}$ is the $(1-\alpha)$ Student's t-quantile with ($n-1$) degrees of freedom and *G* represents the cumulative non-central t-distribution with ($n-1$) degrees of freedom and noncentrality parameter Δ;

or Unified Guidance Equation 22.2:

$$\alpha \sim 1 - F_{T,n-1}\left(\frac{(R-1)\sqrt{n}}{R \cdot \widehat{CV}} - t_{1-\beta,n-1}\right);$$

where R is the desired risk ratio, n is the sample size, CV is the estimated sample coefficient of variation, $t_{(1-\beta,n-1)}$ is the $(1-\beta)$ Student's t-quantile with (n−1) degrees of freedom, and *F* is the cumulative (central) Student's t-distribution function.

The first equation (Unified Guidance Equation 22.1) assumes a coefficient of variation (CV) =1. This version is used if only poorer estimates of the true CV are available. In practice, a convention has been adopted with the statistical updates to utilize Unified Guidance Equation 22.2 in all cases where a parametric confidence interval is calculated and use Unified Guidance Equation 22.1 when non-parametric confidence intervals are calculated. Since a non-parametric confidence interval is based on the median, it is not as sensitive to departures from normality, and the assumption of a CV=1 in Unified Guidance Equation 22.1 should provide a conservative estimate.

Since 0.01 is the minimum RCRA regulatory limit for α, it is never set lower than this. Conversely, the Unified Guidance recognizes the "difficulty of simultaneously attaining the recommended level of power while controlling the false positive rate, especially for small sample sizes and highly variable data." The Unified Guidance suggests a maximum false positive rate of α=0.2 is a reasonable upper bound.

Finally, like the need for defining a SWFPR under detection monitoring, the Unified Guidance (Chapter 7) recognizes there may be concern about the "use of relatively high individual test-wise false positive rates (α) in order to meet a pre-specified power, especially when considering the cumulative false positive error rate across multiple wells and/or constituents." However, "the Unified Guidance considers computation of cumulative SWFPRs in compliance/assessment testing to be problematic, and reliance on individual test false positive rates preferable." Notwithstanding, if several confidence limit calculations are compared to the GWPS with high α-levels, caution should be taken in the interpretation.

For calculation of confidence intervals, Sanitas® v10.0 software is again used to check distributional assumptions, perform Kaplan-Meier estimation in the case of 50% to 85% detects, and calculate either parametric or nonparametric confidence limits.

3. Comparison to Groundwater Protection Standard – Corrective Action Monitoring

As stated above, if "Appendix II constituents are detected at statistically significant levels above the GWPS" a notice is placed in the operating record and characterization is begun. Owners or operators are required to initiate an assessment of corrective measures, select a remedy, and implement a remedy in accordance with 567 IAC 113.10(7), (8), and (9). For remedy completion in accordance with 567 IAC 113.10(9)e(2), compliance with the GWPS is considered achieved by demonstrating that concentrations of Appendix II constituents have not exceeded the GWPS

for a period of three consecutive years or an alternate length of time established by the Department.

Starting with the Fall 2019 statistical evaluation, individual analyte/well pairs may return to assessment constituents (at the corrective action monitoring location) once compliance with the GWPS has been achieved for a period of 3 years. Note that monitoring wells will not move out of the corrective action monitoring program until all Appendix II constituents have achieved compliance with the GWPS for a period of three consecutive years.

Confidence Intervals in Corrective Action Mode

In the case of the GWPS being a fixed standard as either the 40 CFR Part 141 Safe Drinking Water Act MCL or the 567 IAC Chapter 137 Statewide Standard for a Protected Groundwater Source, "confidence intervals are the recommended general statistical strategy in compliance/assessment or corrective action monitoring" (USEPA, 2009). However, a primary difference between confidence intervals as used under assessment monitoring and confidence intervals used under corrective action is reversal of the null hypothesis. As detailed in Section 7.2 of the Unified Guidance (USEPA, 2009), the hypothesis testing structure under assessment monitoring is to presume compliance point concentrations do not to exceed the fixed standard unless sampling data indicates otherwise. As a formal statistical hypothesis, this is written as:

$$H_0: \Theta \leq G \quad \text{vs.} \quad H_A: \Theta > G$$

In corrective action mode, the hypothesis is reversed. Namely, compliance point concentrations are presumed to exceed the fixed standard and evidence must be presented to demonstrate regulatory compliance. In the case of corrective action, the statistical hypothesis is written as:

$$H_0: \Theta > G \quad \text{vs.} \quad H_A: \Theta \leq G$$

For testing under assessment monitoring, a lower confidence limit (LCL) is compared to the compliance standard *G*. If the LCL is larger than the standard *G*, it is concluded that the compliance standard has been violated.

However, under corrective action monitoring, the upper confidence limit (UCL) is compared to the compliance standard G. In this case, the UCL should lie below the standard to accept the alternative hypothesis that concentration levels are in compliance.

The UCL α-level under corrective action monitoring is set so that a high degree of confidence is achieved in declaring successful remediation. Per the Unified Guidance (Section 7.4.2) "USEPA's overriding concern in corrective action is that remediation efforts are not declared successful without sufficient statistical proof." The Unified Guidance "recommends the use of a reasonably low, fixed test-wide false positive rate (e.g., α = 0.05 or 0.10)." In this case, α = 0.10 corresponds to a 90% UCL.

GWPS as Background

Pursuant to 567 IAC 113.10(6)h, when background concentrations of an analyte exceed the applicable MCL or 567 IAC Statewide Standard for a Protected Groundwater Source, the GWPS is the background concentration. In this case, the GWPS is not a fixed standard but based on a distribution of background sample results.

Section 7.5 of the Unified Guidance (USEPA, 2009) details statistical hypothesis testing under corrective action when the GWPS is background. The Unified Guidance offers two alternative statistical approaches to hypothesis testing in this case. These alternatives are as follows:

A. The first represents a *two-sample* test of two distinct populations, namely the compliance well to background populations. Similar to the statistical tests used under detection and assessment monitoring, with this alternative under corrective action, the Unified Guidance states that "one highly recommended statistical test approach is a prediction limit." The Unified Guidance also states, "whatever the critical value for a selected background test, it becomes the GWPS under compliance/assessment or corrective action monitoring." Further, "the only allowable hypothesis test structure for the two-sample approach follows that of detection and compliance monitoring. Once exceeded and in corrective action, a return to compliance is through evidence that future samples lie below the GWPS using the same hypothesis structure." Therefore, with this approach in corrective action, prediction limits are calculated similarly as in assessment monitoring. Compliance well concentrations below a prediction limit indicate a return to concentrations below the background GWPS.

B. The second involves computation of a fixed statistic from the background data as the GWPS. The Unified Guidance recommendation in this case is to define a fixed GWPS based on a background upper tolerance limit with 95% confidence and 95% coverage. This is designed to be a "reasonable maximum on the likely range of background concentrations." This upper tolerance limit based on background data is then used as a fixed standard in statistical comparisons with 90% or 95% UCLs from compliance wells as discussed previously. Also, with the UCL method, the null hypothesis is reversed from that of assessment monitoring, assuming contamination is above the GWPS. A UCL falling below the background GWPS offers evidence of a return to concentrations below the GWPS. The Unified Guidance refers to this approach as a *single-sample* testing method, since the compliance well population is tested against a defined fixed standard.

The Unified Guidance discusses tradeoffs between the two approaches and does not necessarily prescribe either approach over the other. The Unified Guidance suggests that both approaches may be used, where "the background GWPS would be a range based on the two testing methods rather than a single value."

Normality

For calculation of confidence intervals, Sanitas® v10.0 software is again used to check distributional assumptions, perform Kaplan-Meier estimation in the case of 50% to 85% detects, and calculate either parametric or nonparametric confidence limits. "Corrective Action Mode" is selected for this analysis.

Non-Corrective Action Constituents

As recommended in the Unified Guidance (USEPA, 2009), confidence intervals in corrective action mode will be utilized to evaluate only constituents and monitoring locations with previously identified SSLs over the GWPS. Other compliance constituents (i.e., those without SSLs over the GWPS during prior statistical evaluations) will continue to be evaluated using the "1. Comparison to Background" and "2. Comparison to Groundwater Protection Standard – Assessment Monitoring" methods described above.

Note: The Unified Guidance (USEPA, 2009) states: "it should be recognized that once corrective action or remediation activities are initiated, there will be a considerable time during which the GWPS may still be exceeded. As provided in the RCRA regulations, it is at the conclusion of remediation activities that formal corrective action monitoring evaluation is appropriate. However, in the intervening period of remedial activity, well constituents can still be monitored, and the relative efficacy of remediation measures tracked. The same corrective action hypothesis can be assumed for the targeted constituents; techniques such as trend testing may be appropriate interim applications." Given the statement above and the intentions of 567 IAC 113.10(6)g, as soon as an SSL is identified for an assessment monitoring constituent/location, then the next statistical evaluation will utilize corrective action monitoring (confidence intervals in corrective action mode).

Data Concentration Shifts During Corrective Action

Confidence intervals assume that the population is stable over time. As a result, confidence intervals may not accurately represent the current well concentrations if increasing or decreasing trends are observed (i.e., during a release or under active remediation). Per the Unified Guidance (USEPA, 2009), lower or upper confidence limits constructed on accumulated data may be overly wide (due to high sample variability caused by combining pre- and post-shift data) and may not be reflective of more recent upward/downward shifts in the contaminant distribution.

Alternative procedures may be applied to data sets with shifting distributions. For example, where trends tests are significant, pre-shift data may be removed from the well/parameter data set for the purposes of constructing the confidence interval. "The reduction in sample size will often be more than offset by the gain in statistical power. More recent measurements may exhibit less variation around the shifted mean value, resulting in a shorter confidence interval" (USEPA, 2009).

Another alternative is to construct confidence bands around the trend line to track progress towards exceeding or meeting a fixed standard. As suggested in the Unified Guidance (Chapter 22), if a trend is present, a 90% confidence band (upper 95% confidence limit) is placed on the linear trend line. If the upper 95% confidence limit on the trend line falls below the GWPS, the well is found to have reduced to levels statistically below the GWPS.

As the discussed in the Unified Guidance, "inferences concerning a linear regression are generally appropriate when two conditions hold: 1) the residuals from the regression are approximately normal or at least reasonably symmetric in distribution; and 2) a plot of residuals versus concentrations indicates a scatter cloud of essentially uniform vertical thickness or width." These conditions are assessed through normal probability plots of the regression residuals and plots of residuals against the predicted concentrations.

Data Adjustments Due to Exiting Corrective Action

When analyte/well pairs exit corrective action and return to assessment constituents, the hypothesis testing structure is reversed again. In corrective action mode, compliance point concentrations were presumed to exceed the GWPS, and evidence must be presented to demonstrated regulatory compliance (i.e., UCLs below the GWPS for three consecutive years). With the return to assessment constituents, analyte/well pairs have demonstrated regulatory compliance. The hypothesis testing structure reverts to the assessment monitoring structure where compliance point concentrations are presumed to not exceed the GWPS unless sampling

data indicates otherwise (i.e., LCL is above the GWPS). With this reversion in hypothesis, the focus shifts to evaluating concentration changes in the analyte/well pair that would indicate an increase over the GWPS and re-trigger corrective action. For constituents with historical SSLs, earlier concentrations that had previously triggered corrective action are no longer providing useful information regarding the current assessment monitoring hypothesis. Retaining the historical data during the timeframe in which the GWPS was exceeded will result in the regression or confidence interval methods being slower to respond to new increases. As a result, the historical data prior to when statistical compliance with the GWPS was first achieved will be removed when analyte/well pairs exit corrective action and return to assessment constituents.

Attachment 2

Sanitas Report Output for Double Quantification Rule Evaluations

Sanitas™ v.10.0.27 Software licensed to Foth Infrastructure & Environment, LLC. UG

Data Screening - Corrective Action Monitoring

Analysis Run 8/5/2025 10:47 AM - **Assessment Constituents**

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Summer 2025 Evaluation

A listing of detects in MW-33 on 6/27/2025:

-none-

Attachment 3

References

References

Foth Infrastructure and Environment (Foth), 2012. *2011 Annual Water Quality Report, Cedar Rapids/Linn County Solid Waste Agency Site No.1, IDNR Permit No. 57-SDP-03-75C, Project ID: 11C050.00*. December 29. [Doc. #68145].

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

Memorandum

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October 23, 2025

TO: Iowa Department of Natural Resources

FR: Hannah Dubbs; Gina Wilming

RE: Site 1 Statistical Analysis - Fall 2025 Evaluation

1 Memorandum Organization

This memo addresses the statistical analysis of the groundwater monitoring data collected in August 2025. The statistical methods and results are summarized, with the memo organization given as follows:

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Attachments

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2 Background

The groundwater monitoring locations and status of the Appendix I and II sampling schedules are summarized on Tables 1 and 2. The Appendix I and II analytical results will be provided in Table 14 of the 2025 Annual Water Quality Report (AWQR).

Table 1
Upper Bedrock Monitoring Locations and Schedule
Aug. 2008 – Aug. 2025 Appendix I & II Data

Monitoring Location	Monitoring Program	Current Schedule [1] (Aug. 2025)	Appendix I Initiated	# Events to Complete Baseline Appendix I or Completion Date [113.10(5)b]	Appendix II Initiated	# Events to Complete Baseline Appendix II or Completion Date [113.10(6)b]	Returned to Detection Monitoring (Yes/No)
Downgradient Monitoring Locations							
AW-1	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
AW-2	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
AW-3	Assessment	Appendix II	N/A	N/A	Aug-08	Sep-09	Sep-11
					Mar-12	Sep-12	Mar-14
					Mar-16	Jun-16	No
AW-4	Assessment	Appendix II	N/A	N/A	Aug-08	Sep-09	Sep-10
					Mar-12	Sep-12	Mar-14
					Mar-16	Jun-16	No
AW-5	Assessment	Appendix II	N/A	N/A	Aug-08	Sep-09	Sep-10
					Mar-12	Sep-12	No
MW-12	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-13	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-16	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-17	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-20	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	Sep-10
					Mar-11	Sep-11	No
MW-21	Assessment	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-23	Assessment	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-24	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-26	Assessment	Appendix II	N/A	N/A	Aug-08	Sep-09	Aug-22
					Jan-23	Mar-23	No
MW-28	Assessment	Appendix II	N/A	N/A	Aug-08	Sep-09	Sep-10
					Mar-12	Sep-12	No
MW-30	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-32	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-34	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-35	Assessment [2]	Appendix II	N/A	N/A	Aug-08	Sep-09	No
VP-3	Assessment	Appendix II	N/A	N/A	Aug-08	Sep-09	Sep-10
					Mar-11	Sep-11	No
VP-4	Assessment	Appendix II	N/A	N/A	Aug-08	Sep-09	Sep-10
					Mar-12	Sep-12	No
Background Monitoring Locations							
MW-37	Background	Appendix II	N/A	N/A	Aug-08	Sep-09	---
MW-101A	Background	Appendix II	Sep-13 [3]	Sep-14 [3]	Sep-13 [3]	Sep-14 [3]	---
Delineation Monitoring Locations							
MW-105A	Delineation	Appendix I	Sep-13	Sep-14	---	---	---
MW-106A	Delineation	Appendix I	Sep-13	Sep-14	---	---	---
MW-107A	Delineation	Appendix I	Sep-13	Sep-14	---	---	---
MW-109A	Delineation	Appendix I	Nov-17	Nov-18	---	---	---

N/A = Not applicable. Monitoring points were under routine parameter sampling per 567 IAC 113.2(5) prior to initiation of Appendix II.

[1] Except for MW-26, the five-year resampling for the full Appendix II list was conducted at the assessment, corrective action, and background monitoring locations in Aug. 2025. MW-26 was sampled for Appendix I and detected Appendix II constituents in Aug. 2025.

(2) In accordance with 567 IAC 113.10(9)e(2), cobalt in MW-35 returned to an assessment constituent in 2025 since compliance with the GWPS was maintained for three consecutive years. Since cobalt was the only corrective action constituent in MW-35, MW-35 returned to an assessment monitoring location.
(3) Six rounds of background monitoring for the Appendix II metals were conducted at MW-101A between Sep. 2013 and Mar. 2015. Background monitoring for the full Appendix II list was conducted in Sep. 2015, Mar. 2016, and Aug. 2020.

Table 2
Deeper Bedrock Monitoring Locations and Schedule
Aug. 2008 – Aug. 2025 Appendix I & II Data

Monitoring Location	Monitoring Program	Current Schedule (1) (Aug. 2025)	Appendix I Initiated	# Events to Complete Baseline Appendix I or Completion Date [113.10(5)b]	Appendix II Initiated	# Events to Complete Baseline Appendix II or Completion Date [113.10(6)b]	Returned to Detection Monitoring (Yes/No)
Downgradient Monitoring Locations							
AW-6	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
CRL-9	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-11	Assessment	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-14	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-15	Assessment	Appendix II	N/A	N/A	Aug-08	Sep-09	Sep-10
					Sep-13	Mar-14	Mar-15
					Jun-16	Aug-16	No
MW-18	Assessment	Appendix II	N/A	N/A	Aug-08	Sep-09	Sep-10
					Sep-13	Mar-14	Mar-15
					Jul-15	Sep-15	No
MW-19	Assessment	Appendix II	N/A	N/A	Aug-08	Sep-09	Sep-10
					Sep-12	Mar-13	Mar-15
					Jul-15	Sep-15	No
MW-22	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-25	Assessment	Appendix II	N/A	N/A	Aug-08	Sep-09	Sep-10
					Mar-12	Sep-12	No
MW-31	Detection	Appendix I	N/A	N/A	Aug-08	Sep-09	Sep-10
					Mar-12	Sep-12	Mar-15
MW-33	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
MW-36	Corrective Action	Appendix II	N/A	N/A	Aug-08	Sep-09	No
Background Monitoring Locations							
MW-38	Background	Appendix II	N/A	N/A	Aug-08	Sep-09	---
MW-101B	Background	Appendix II	Sep-13 (2)	Sep-14 (2)	Sep-13 (2)	Sep-14 (2)	---
Delineation Monitoring Locations							
MW-102B	Delineation	Appendix I	Sep-13	Sep-14	---	---	---
MW-104B	Delineation	Arsenic (3)	Sep-13	Sep-14	---	---	---
MW-105B	Delineation	Appendix I	Sep-13	Sep-14	---	---	---
MW-107B	Delineation	Appendix I	Sep-13	Sep-14	---	---	---
MW-108B	Delineation	Appendix I without Cobalt (4)	Nov-17	Nov-18	---	---	---
MW-109B	Delineation	Appendix I	Nov-17	Nov-18	---	---	---

N/A = Not applicable. Monitoring points were under routine parameter sampling per 567 IAC 113.2(5) prior to initiation of Appendix II.
(1) In accordance with Permit Amendment #6, the five-year resampling for the full Appendix II list was conducted at the assessment and corrective action monitoring locations in Aug.2025. In addition, background wells were sampled for the full Appendix II list in Aug. 2025.
(2) Six rounds of background monitoring for the Appendix II metals were conducted at MW-101B between Sep. 2013 and Mar. 2015. Two rounds of background monitoring for the full Appendix II list were conducted in Sep. 2015 and Mar. 2016.
(3) IDNR approved retaining MW-104B as an arsenic delineation monitoring well in the letter dated May 12, 2016 (IDNR, 2016).
(4) IDNR approved the removal of cobalt from the list of analytes at MW-108B in the letter dated Apr. 16, 2019 (IDNR, 2019).

In August 2025, semiannual corrective action, background, and delineation monitoring were conducted at upper bedrock wells MW-12, MW-13, MW-16, MW-17, MW-32, MW-37, and MW-101A and deeper bedrock wells MW-14, MW-33, MW-38, MW-101B, and MW-109B. In accordance with Permit Amendment #16, annual detection, assessment, corrective action, and delineation monitoring was also conducted in August 2025 at upper bedrock wells AW-1, AW-2, AW-3, AW-4, AW-5, MW-20, MW-21, MW-23, MW-24, MW-26, MW-28, MW-30, MW-34, MW-35, VP-3, VP-4, MW-105A, MW-106A, MW-107A, and MW-109A and deeper bedrock wells AW-6, CRL-9, MW-11, MW-15, MW-18, MW-19, MW-22, MW-25, MW-31, MW-36, MW-102B, MW-104B, MW-105B, MW-107B, and MW-108B. In accordance with Permit Amendment #6, the five-year resampling for the full Appendix II list was conducted at the assessment and corrective action monitoring locations, except for MW-26, in August 2025. In addition, background wells were sampled for the full Appendix II list in August 2025. The next full Appendix II resampling dates will be provided in Table 2 of the 2025 Annual Water Quality Report (AWQR).

As noted in the data validation report, which will be submitted with the 2025 AWQR, the laboratory inadvertently stored the cyanide sample for MW-11 at room temperature; therefore, the August 2025 cyanide result for MW-11 was rejected and not evaluated in this statistical evaluation. Resampling was not recommended since cyanide has not been detected at MW-11 historically.

Under the detection and assessment monitoring programs of 567 IAC 113.10(5) and 113.10(6), Appendix I and II monitoring results are statistically compared to background levels as given in 567 IAC 113.10(6)e and to the groundwater protection standard (GWPS) as given in 567 IAC 113.10(6)g and h. A well may return to detection monitoring when all Appendix II constituents are “shown to be at or below background values, using the statistical procedures in paragraph 113.10(4)g for two consecutive sampling events.” Consequently, to return to detection monitoring in accordance with 567 IAC 113.10(6)e, all Appendix II constituents must be below the interwell prediction limit (for constituents which are detected in the background data set) or below the laboratory reporting limit (for constituents which are not detected in the background data set) during two consecutive sampling events. As mentioned in previous memos, three consecutive sampling events may be utilized to make the determination to return to detection monitoring to limit frequent fluctuation of wells moving between the detection and assessment monitoring programs. Assessment monitoring continues when Appendix II concentrations are above background values but below the GWPS using the statistical procedures in paragraph 113.10(4)g.

If Appendix II constituents are detected at statistically significant levels (SSLs) above the GWPS, characterization [567 IAC 113.10(6)g] is initiated and the owners or operators are required to begin an assessment of corrective measures, select a remedy, and implement a remedy in accordance with 567 IAC 113.10(7), (8), and (9). For remedy completion [567 IAC 113.10(9)e(2)], compliance with the GWPS is considered achieved by demonstrating that concentrations of Appendix II constituents have not exceeded the GWPS for a period of three consecutive years or an alternate length of time established by the IDNR.

Based on the August 2008 through August 2025 results, this memo presents an evaluation of statistically significant increases (SSIs) and SSLs under the requirements of paragraphs 113.10(4)g and h of 567 IAC.

3 Statistical Methodology

The statistical methods utilized for locations in detection, delineation, assessment, and corrective action monitoring were consistent with the methods used in previous statistical evaluations. Detailed descriptions of the statistical methods are provided in Attachment 1. Sanitas® v10.1 (Sanitas Technologies) software was utilized to complete the statistical comparisons.

The combined background data sets (MW-37 and MW-101A for the upper bedrock, and MW-38 and MW-101B for the deeper bedrock) were utilized to evaluate SSIs over background.

3.1 Background Data Set Adjustments

3.1.1 Adjustments Associated with Turbidity and Total Suspended Solids

No background data set adjustments are recommended for MW-37, MW-38, MW-101A, and MW-101B based on review of the field turbidity and total suspended solids (TSS) data from the August 2025 sampling event. The August 2025 TSS concentrations at MW-38, MW-101A, and MW-101B were below the 5 mg/L limit for acceptable sample quality, and the August 2025 TSS concentration of 7.13 mg/L at MW-37 only slightly exceeded the 5 mg/L limit.

The background data set adjustments previously recommended and incorporated based on review of turbidity data include:

- Removal of the high volume September 2009 through September 2014 metals data at MW-101A (initiated with Fall 2016 statistical evaluation).
- Removal of the high volume September 2009 through September 2014 and the initial low-flow March 2015 metals data at MW-101B (initiated with Fall 2016 statistical evaluation).
- Removal of the March 2019 barium concentration in MW-38 due to elevated TSS and the potential for turbidity to contribute to the higher barium concentration identified (initiated with Spring 2019 statistical evaluation).
- Removal of the March 2023 barium, cadmium, cobalt, copper, nickel, selenium, and vanadium concentrations in MW-101A due to elevated TSS and the potential for turbidity to contribute to the higher concentrations identified (initiated with the Spring 2023 statistical evaluation).

These data set adjustments were maintained in the current statistical evaluation. The removed background data will be listed as crossed-out concentrations in Table 14 of the 2025 AWQR.

Note that the historical high-volume data at the downgradient wells continue to be reviewed on a case-by-case basis. The downgradient data set review is discussed in Section 5.1.

3.1.2 Adjustments Associated with Practical Quantitation Limits

Due to lowering of the practical quantitation limits (PQLs), background data set adjustments were approved to remove earlier non-detect data with elevated PQLs for barium, cobalt, copper, and lead in the upper bedrock and for barium, beryllium, cadmium, cobalt, copper, lead, and nickel in the deeper bedrock due to the increased uncertainty the elevated PQLs added. IDNR approved the background dataset adjustments due to elevated PQLs in the letters dated May

12, 2016 and November 20, 2017 (IDNR, 2016 and 2017). These data set adjustments were maintained in the current statistical evaluation.

3.1.3 Review of Single Background Detections

During the September 2015 event, m/p-cresol and phenol were detected above the laboratory reporting limit at upper bedrock background well MW-37. These two constituents have not been detected in either background well prior to or after the September 2015 event. As a result, m/p-cresol and phenol will not be evaluated using prediction limits unless additional background detections are identified. Downgradient m/p-cresol and phenol results will be evaluated using the double quantification rule (DQR).

Single volatile organic compound (VOC) detections were identified for carbon disulfide and toluene in MW-37 in August 2017. In November 2017, retest samples were collected, which did not confirm the November 2017 detections. As a result, it was determined that MW-37 remained suitable as a background well. The only other detections in MW-37 during the August 2017 event were for barium and cobalt. The August 2017 barium and cobalt concentrations were within the range of historical concentrations for these constituents at MW-37. Therefore, the barium and cobalt results were maintained in the background data set for calculating interwell prediction limits. Since VOCs are considered “never detected” constituents, carbon disulfide and toluene were not added as prediction limit constituents. Downgradient carbon disulfide and toluene results continue to be evaluated using the DQR.

Similarly, single VOC detections were identified for benzene, ethylbenzene, toluene, and total xylenes (BTEX) in MW-37 during the Fall 2018 sampling event. The August 2018 detected metals data at MW-37 was removed from the background dataset due to the potential impact indicated by the BTEX detections. A retest sample was collected for BTEX in background well MW-37 in November 2018. The retest results did not confirm the August 2018 BTEX detections; therefore, SSIs were not declared. In addition, the retest results indicated that MW-37 remained suitable for continued use as a background well for the upper bedrock system. Since VOCs are considered “never detected” constituents, the BTEX constituents were not added as prediction limit constituents. Downgradient BTEX results continue to be evaluated using the DQR.

3.2 Corrective Action Constituents

In accordance with the Unified Guidance (USEPA, 2009), corrective action statistics are conducted for analyte/well pairs with previously identified SSLs, as listed in Table 3. No new corrective action constituents were added based on the results of the previous Spring 2025 statistical evaluation. As noted in the Spring 2025 statistical evaluation, cobalt in MW-35 returned to an assessment constituent in 2025 in accordance with 567 IAC 113.10(9)e(2) since compliance with the GWPS was maintained for three consecutive years. Since cobalt was the only corrective action constituent in MW-35, MW-35 returned to an assessment monitoring location.

Under corrective action statistics, comparisons to background are not conducted (except for cobalt in the upper bedrock under the corrective action hypothesis, further discussed in Section 5.2); therefore, the analyte/well pairs listed in Table 3 were not included in the Section 4 comparisons to background.

Table 3
Corrective Action Constituents [1]

Monitoring Location	Corrective Action Constituents [2]
Upper Bedrock Monitoring Locations	
AW-1	Arsenic
AW-2	Arsenic, Thallium
MW-12	Arsenic
MW-13	Arsenic
MW-16	Arsenic
MW-17	Arsenic
MW-20	Thallium
MW-24	Arsenic
MW-30	Arsenic
MW-32	Arsenic
MW-34	Arsenic, Vinyl Chloride
MW-105A	Cobalt
MW-106A	Arsenic, Cobalt
Deeper Bedrock Monitoring Locations	
AW-6	Cobalt
CRL-9	Arsenic, Cobalt
MW-14	Arsenic
MW-22	Arsenic, Cobalt
MW-33	Arsenic
MW-36	Arsenic
MW-105B	Cobalt
MW-109B	Arsenic; Cobalt; Thallium

[1] Table 3 lists the analyte/well pairs identified as corrective action constituents regardless of whether the monitoring location was sampled during the current event.
[2] Corrective action constituents are analyte/well pairs with SSLs over the GWPS identified during previous statistical evaluations and have not achieved compliance with the GWPS in accordance with 567 IAC 113.10(9)e(2).

4 Comparison to Background Levels

Comparisons to background levels were conducted using interwell prediction limits and the DQR. As noted in Section 3.2, comparisons to background were not conducted for the corrective action constituents listed in Table 3.

4.1 Interwell Prediction Limits

Interwell prediction limits were used for formal statistical assessment of SSIs over background for analytes that have been detected above the reporting limit in the combined background data set (MW-37 and MW-101A for the upper bedrock system; MW-38 and MW-101B for the deeper bedrock system). For the upper bedrock, these analytes included antimony, arsenic, barium, cobalt, copper, lead, nickel, tin, and zinc. For the deeper bedrock, these analytes included antimony, arsenic, barium, bis(2-ethylhexyl)phthalate, cadmium, cobalt, copper, nickel, tin, and zinc.

4.1.1 Upper Bedrock

The upper bedrock prediction limits calculated utilizing August 2008 through August 2025 sample data are summarized in Table 4. The background data set adjustments discussed in Section 3.1 were used.

Table 4
Prediction Limit Summary - Upper Bedrock
Aug. 2008 – Aug. 2025 Interwell Data [1]

Chemical Name	Prediction Limit	Units	Prediction Limit Type	Retesting Plan	Prediction Limit Method
Antimony	0.00739	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Arsenic	0.00205	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Barium	0.1415	mg/L	Parametric (Lognormal)	1-of-2	$\exp(\bar{y} + k \cdot s_y)$
Cobalt	0.008	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Copper	0.0225	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Lead	0.00695	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Nickel	0.0522	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Tin [2]	0.152	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Zinc	0.0805	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic

[1] Interwell data consists of the Appendix I and II parameters that have been detected in the combined background data set (MW-37 and MW-101A). Note that background data set adjustments were incorporated in accordance with Section 3.1.
[2] Tin was included for the assessment and corrective action monitoring locations, and for delineation wells MW-105A and MW-109A, where tin was analyzed by the lab inadvertently.

Non-parametric prediction limits were used for antimony, arsenic, cobalt, copper, lead, nickel, tin, and zinc since either normality assumptions could not be met or there were less than 50% detects in the combined background data. A parametric lognormal prediction limit was used with barium since there were greater than 50% detects in the combined background data set, the assumptions of normality were met with a lognormal transformation, and the lognormal limit was accepted as being representative of the background distribution.

4.1.2 Deeper Bedrock

Deeper bedrock prediction limits calculated from August 2008 through August 2025 sample data are summarized in Table 5. The background data set adjustments discussed in Section 3.1 were utilized.

Table 5
Prediction Limit Summary - Deeper Bedrock
Aug. 2008 – Aug. 2025 Interwell Data [1]

Chemical Name	Prediction Limit	Units	Prediction Limit Type	Retesting Plan	Prediction Limit Method
Antimony	0.0101	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Arsenic	0.00225	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Barium	0.138	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Bis(2-ethylhexyl) phthalate [2]	25.4	ug/L	Non-Parametric	1-of-2	Maximum Order Statistic
Cadmium	0.000824	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Cobalt	0.0008303	mg/L	Parametric (Lognormal with Kaplan-Meier Adjustment)	1-of-2	$\exp(\hat{\mu}_{KM} + k \cdot \hat{\sigma}_{KM})$
Copper	0.0108	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Nickel	0.00735	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Tin [3]	0.109	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic
Zinc	0.0366	mg/L	Non-Parametric	1-of-2	Maximum Order Statistic

[1] Interwell data consists of the Appendix I and II parameters that have been detected in the combined background data set (MW-38 and MW-101B). Note that background data set adjustments were incorporated in accordance with Section 3.1.
[2] Bis(2-ethylhexyl)phthalate and tin were included only for assessment and corrective action monitoring locations.

[3] Tin was included for the assessment and corrective action monitoring locations, and for delineation wells MW-105B and MW-109B, where tin was analyzed by the lab inadvertently.

Non-parametric prediction limits were used for antimony, arsenic, barium, bis(2-ethylhexyl)phthalate, cadmium, copper, nickel, tin, and zinc since either normality assumptions could not be met or there were less than 50% detects in the combined background data. A parametric lognormal prediction limit was used with cobalt since there were greater than 50% detects in the combined background data set, the assumptions of normality were met with a lognormal transformation, and the lognormal limit was accepted as being representative of the background distribution.

4.1.3 Prediction Limit Exceedances

A summary of the monitoring locations exhibiting a prediction limit exceedance during the August 2025 event is given in Table 6 for the upper bedrock system and Table 7 for the deeper bedrock system. Detailed prediction limit output for each analyte/well pair is included in Attachment 2.

Table 6
Aug. 2025 Prediction Limit Exceedances – Upper Bedrock

Prediction Limit	Arsenic (mg/L) 0.00205	Barium (mg/L) 0.1415	Cobalt (mg/L) 0.008	Copper (mg/L) 0.0225	Nickel (mg/L) 0.0522
Delineation Monitoring Locations – Assessment Constituents					
MW-106A		0.311			
MW-107A		0.164			
MW-109A		0.199			
Assessment Monitoring Locations					
AW-3	0.0196				
AW-4	0.00415		0.0164	0.14	0.126
AW-5	0.00244	0.146			
MW-26		0.167			
MW-28		0.178			
MW-35	0.00431	0.156			
VP-3	0.0397	0.475			
VP-4	0.00306				
Corrective Action Monitoring Locations – Assessment Constituents					
AW-2		0.461			
MW-12		0.514			0.08
MW-13		0.669			
MW-20	0.0123				
MW-24		0.809			0.0536
MW-30		0.157			
MW-32		1.46			
MW-34		0.302			

Table 7
Aug. 2025 Prediction Limit Exceedances - Deeper Bedrock

Prediction Limit	Arsenic (mg/L) 0.00225	Barium (mg/L) 0.138	Cobalt (mg/L) 0.0008303	Nickel (mg/L) 0.00735
Detection Monitoring Location				
None				
Delineation Monitoring Locations – Assessment Constituents				
MW-102B			0.00159	
MW-105B	0.00442			0.0135
MW-107B		0.275	0.00138	0.00993
MW-108B		0.192		0.00754
MW-109B		0.646		0.0335
Assessment Monitoring Locations				
MW-11			0.000935	
MW-15			0.00216	0.00934
MW-18	0.00679			0.00789
MW-19				0.016
MW-25		0.238		
Corrective Action Monitoring Locations – Assessment Constituents				
AW-6		0.144		0.0289
CRL-9		0.46		0.0228
MW-14		0.86	0.000888	0.0155
MW-22		0.48		0.0357
MW-33		0.473	0.00114	
MW-36		0.61	0.00131	0.00856

4.2 Double Quantification Rule

The DQR was used to evaluate SSIs over background for the remaining Appendix I and II constituents (i.e., constituents which have not been detected above the reporting limit in the combined background data set). The DQR output is included in Attachment 3, with a summary of the August 2025 DQR detections listed in Table 8 for the upper bedrock wells and in Table 9 for the deeper bedrock wells.

Table 8
Upper Bedrock Double Quantification Rule
Aug. 2025 Detections

Well	Constituent(s)
Delineation Monitoring Locations - Assessment Constituents	
MW-109A	Selenium
Assessment Monitoring Locations	
AW-4	Cadmium; Silver
AW-5	Selenium
MW-21	Thallium
MW-23	Thallium
Corrective Action Monitoring Locations - Assessment Constituents	
AW-1	Chlorobenzene; Thallium
AW-2	1,1-Dichloroethane; Chlorobenzene; cis-1,2-Dichloroethene

Table 8 Continued
Upper Bedrock Double Quantification Rule
Aug. 2025 Detections

Well	Constituent(s)
Corrective Action Monitoring Locations - Assessment Constituents Continued	
MW-12	1,1-Dichloroethane; 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Chlorobenzene; cis-1,2-Dichloroethene; Thallium
MW-13	1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Benzene; Chlorobenzene
MW-16	1,1-Dichloroethane; 1,4-Dichlorobenzene
MW-24	1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Benzene; Chlorobenzene; Thallium
MW-30	Benzene; Chloroethane; cis-1,2-Dichloroethene
MW-32	1,4-Dichlorobenzene; Acetone; Benzene; Chlorobenzene; m/p-Cresol; Toluene
MW-34	1,4-Dichlorobenzene; Acetone; Benzene; Chlorobenzene; Toluene

Table 9
Deeper Bedrock Double Quantification Rule
Aug. 2025 Detections

Well	Constituent(s)
Detection Monitoring Locations	
None	
Delineation Monitoring Locations - Assessment Constituents	
MW-105B	1,1-Dichloroethane
MW-107B	Thallium
MW-109B	1,4-Dichlorobenzene; Chlorobenzene
Assessment Monitoring Locations	
MW-18	Methoxychlor
Corrective Action Monitoring Locations (Assessment Constituents)	
AW-6	1,1-Dichloroethane
CRL-9	Benzene; o-Toluidine; Sulfide
MW-14	1,1-Dichloroethane; 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Benzene; Chlorobenzene
MW-22	1,1-Dichloroethane; 1,4-Dichlorobenzene; Chlorobenzene
MW-33	Chlorobenzene
MW-36	1,4-Dichlorobenzene; Chlorobenzene

4.3 Summary of Comparison to Background

4.3.1 Detection Monitoring Locations

No wells in the upper bedrock system are in detection monitoring. For the deeper bedrock system, no prediction limit exceedances or DQR detections were identified at MW-31.

4.3.2 Delineation Monitoring Locations – Assessment Constituents

For the upper bedrock system, no prediction limit exceedances or DQR detections were identified at MW-105A. Prediction limit exceedances and/or DQR detections were identified at MW-106A, MW-107A, and MW-109A as listed in Tables 6 and 8. In lieu of retesting for the prediction limit exceedances and DQR detection, SSIs were declared and evaluated for SSLs in Section 5.

For the deeper bedrock system, a prediction limit exceedance was not identified for arsenic at MW-104B. Prediction limit exceedances and/or DQR detections were identified at MW-102B, MW-105B, MW-107B, MW-108B, and MW-109B as listed in Tables 7 and 9. In lieu of retesting for the prediction limit exceedances and DQR detections, SSIs were declared and evaluated for SSLs in Section 5.

4.3.3 Assessment Monitoring Locations

For the upper bedrock system, prediction limit exceedances and/or DQR detections were identified at AW-3, AW-4, AW-5, MW-21, MW-23, MW-26, MW-28, MW-35, VP-3, and VP-4 as listed in Tables 6 and 8. For the deeper bedrock system, prediction limit exceedances and/or DQR detections were identified at MW-11, MW-15, MW-18, MW-19, and MW-25 as listed in Tables 7 and 9. In lieu of retesting for the prediction limit exceedances and DQR detections, SSIs were declared and evaluated for SSLs in Section 5, except for methoxychlor in MW-18.

The five-year resampling for the full Appendix II list was conducted at the assessment monitoring locations, except for MW-26, in August 2025. Other than deeper bedrock well MW-18, no new Appendix II constituents were detected at the assessment monitoring locations during the 5-year resampling event. Methoxychlor in MW-18 was newly detected above the PQL. Since methoxychlor was newly detected in MW-18, retesting is recommended. Under the retesting plan, an SSI is not declared until one subsequent resample result confirms the DQR detection. Therefore, a retest sample will be collected for methoxychlor in MW-18 prior to the next semiannual sampling event. If the retest confirms the initial detection identified, consideration will be given to re-establishing baseline (i.e., at least four new quarterly results) prior to conducting a comparison to the GWPS.

4.3.3.1 Exiting Assessment Monitoring

Table 10 presents a summary of the assessment monitoring locations and statistical comparisons required for exiting assessment monitoring. As discussed in Section 1, assessment monitoring locations will return to detection monitoring when Appendix II constituents fall below the current interwell prediction limit (for constituents which are detected in the background data set) and below the laboratory reporting limit (for constituents which are not detected in the background data set) for three consecutive sampling events. In accordance with 567 IAC 113.10(9)e(2), MW-35 returned to an assessment monitoring location. MW-35 will be evaluated to exit assessment monitoring when three samples have been collected in assessment monitoring.

Table 10
Evaluation to Exit Assessment Monitoring
All Appendix II Constituents Below Background

Monitoring Location and Date	Constituents Detected in Background are Below Prediction Limits	DQR Constituents are Below Reporting Limit
Upper Bedrock		
AW-3		
Aug. 2023	No	**Yes**
Aug. 2024	No	**Yes**
Aug. 2025	No	**Yes**

Table 10 Continued
Evaluation to Exit Assessment Monitoring
All Appendix II Constituents Below Background

Monitoring Location and Date	Constituents Detected in Background are Below Prediction Limits	DQR Constituents are Below Reporting Limit
Upper Bedrock Continued		
AW-4		
Aug. 2023	No	**Yes**
Aug. 2024	No	No
Aug. 2025	No	No
AW-5		
Aug. 2023	No	No
Aug. 2024	No	No
Aug. 2025	No	No
MW-21		
Aug. 2023	No	No
Aug. 2024	No	No
Aug. 2025	**Yes**	No
MW-23		
Aug. 2023	No	No
Aug. 2024	**Yes**	**Yes**
Aug. 2025	**Yes**	No
MW-26		
Aug. 2023	No	**Yes**
Aug. 2024	No	**Yes**
Aug. 2025	No	**Yes**
MW-28		
Aug. 2023	No	**Yes**
Aug. 2024	No	**Yes**
Aug. 2025	No	**Yes**
VP-3		
Aug. 2023	No	**Yes**
Aug. 2024	No	**Yes**
Aug. 2025	No	**Yes**
VP-4		
Aug. 2023	No	**Yes**
Aug. 2024	No	**Yes**
Aug. 2025	No	**Yes**
Deeper Bedrock		
MW-11		
Aug. 2023	**Yes**	**Yes**
Aug. 2024	No	**Yes**
Aug. 2025	No	**Yes**
MW-15		
Aug. 2023	No	**Yes**
Aug. 2024	No	**Yes**
Aug. 2025	No	**Yes**
MW-18		
Aug. 2023	**Yes**	**Yes**
Aug. 2024	No	**Yes**
Aug. 2025	No	No

Table 10 Continued
Evaluation to Exit Assessment Monitoring
All Appendix II Constituents Below Background

Monitoring Location and Date	Constituents Detected in Background are Below Prediction Limits	DQR Constituents are Below Reporting Limit
Deeper Bedrock Continued		
MW-19		
Aug. 2023	No	**Yes**
Aug. 2024	No	**Yes**
Aug. 2025	No	**Yes**
MW-25		
Aug. 2023	No	No
Aug. 2024	No	No
Aug. 2025	No	**Yes**

As shown in Table 10, the upper and deeper bedrock assessment monitoring locations have not had all Appendix II constituents below background values for three consecutive sampling events. Therefore, these locations will not exit assessment monitoring at this time.

4.3.4 Corrective Action Monitoring Locations – Assessment Constituents

For the upper bedrock system, no prediction limit exceedances or DQR detections were identified at MW-17. Prediction limit exceedances and/or DQR detections were identified at AW-1, AW-2, MW-12, MW-13, MW-16, MW-20, MW-24, MW-30, MW-32, and MW-34 as listed in Tables 6 and 8, respectively. For the deeper bedrock system, prediction limit exceedances and DQR detections were identified at AW-6, CRL-9, MW-14, MW-22, MW-33, and MW-36 as listed in Tables 7 and 9, respectively. In lieu of retesting for the prediction limit exceedances and DQR detections, SSIs were declared and evaluated for SSLs in Section 5, with the exceptions of m/p-cresol in MW-32 and o-toluidine and sulfide in CRL-9.

The five-year resampling for the full Appendix II list was conducted at the corrective action monitoring locations in August 2025. Except for upper bedrock well MW-32 and deeper bedrock well CRL-9, no new Appendix II constituents were detected at the corrective action monitoring locations during the 5-year resampling event. M/p-cresol in MW-32 and o-toluidine and sulfide in CRL-9 were newly detected above the PQL. Since these analytes were newly detected in MW-32 and CRL-9, retesting is recommended. Under the retesting plan, an SSI is not declared until one subsequent resample result confirms the DQR detections. Therefore, retest samples will be collected for m/p-cresol in MW-32 and o-toluidine and sulfide in CRL-9 prior to the next scheduled sampling event. If the retests confirm the initial detections identified, consideration will be given to re-establishing baseline (i.e., at least four new quarterly results) prior to conducting comparisons to the GWPS.

5 Comparison to Groundwater Protection Standard

Except for m/p-cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18, the prediction limit exceedances and DQR detections listed in Tables 6 through 9 were declared SSIs and evaluated for SSLs over the GWPS per 567 IAC 113.10(6)f and g. Comparisons to the GWPS were evaluated through statistical confidence intervals under the assessment monitoring null hypothesis. SSLs were declared to exist with statistical certainty when the lower confidence

limit exceeds the GWPS. Statistical outputs for confidence intervals in assessment mode are included in Attachment 4.

In contrast, corrective action analyte/well pairs (i.e., those where SSLs have been previously declared) were evaluated to determine compliance with the GWPS per 567 IAC 113.10(9)e. A summary of the upper and deeper bedrock corrective action constituents was provided in Table 3. Comparisons to the GWPS in this case were evaluated through statistical confidence intervals under the corrective action monitoring null hypothesis, or in the case of downward trending data, confidence bands (upper 95% confidence limits) placed around the linear trend line. For corrective action constituents, compliance with the GWPS has been achieved with statistical certainty when the UCL or the upper 95% confidence limit on the trend line is lower than the GWPS for a period of three consecutive years or an alternate length of time established by the IDNR. Statistical outputs for regression statistics, confidence bands, and confidence intervals in corrective action mode are included in Attachment 5.

5.1 Compliance Data Set Review for Confidence Intervals

5.1.1 Adjustments Due to Changes in PQLs

As noted in Section 3.1, downgradient data set adjustments were approved to remove earlier non-detect data with elevated PQLs for upper bedrock cobalt data at AW-5, MW-13, MW-17, MW-23, and MW-35; to remove earlier non-detect and J-flagged data with elevated PQLs for deeper bedrock cobalt data at AW-6, CRL-9, MW-11, MW-14, MW-15, MW-22, MW-33 MW-36, MW-102B, MW-105B, and MW-107B; and to remove earlier non-detect and J-flagged data with elevated PQLs for the deeper bedrock nickel data at AW-6, CRL-9, MW-14, MW-15, MW-18, MW-19, MW-22, MW-33, and MW-36 due to the increased uncertainty the elevated PQLs added. IDNR approved the downgradient cobalt dataset adjustments due to elevated PQLs in the letters dated May 12, 2016 and November 20, 2017 (IDNR, 2016 and 2017). These data set adjustments were maintained in the current statistical evaluation.

5.1.2 Adjustments Due to Sampling Technique Changes

As noted in Section 3.1, the downgradient metals data sets continued to be reviewed on a case-by-case basis to determine whether data set adjustments are recommended based on the change in sampling technique from high-volume to low-flow sampling methods. In the letter dated November 20, 2017 (IDNR, 2017), IDNR concurred with the strategy to analyze wells on a case-by-case basis for a statistical correlation between newer and older sampling techniques.

No data set adjustments are currently recommended for the SSIs listed in Tables 6 through 9 and the corrective action constituents in Table 3. To date, downgradient data set adjustments include removal of the high-volume August 2008 through September 2014 zinc data at AW-7, MW-20, and MW-30 and removal of the high-volume August 2008 through September 2014 nickel data at MW-13. IDNR approved the zinc and nickel data set adjustments in the letter dated November 20, 2017 (IDNR, 2017). These data set adjustments were maintained in the current statistical evaluation.

5.1.3 Adjustments Due to Exiting Corrective Action

As further detailed in Attachment 1, the historical data prior to when statistical compliance with the GWPS was first achieved will be removed when analyte/well pairs exit corrective action and return to assessment constituents. Nickel in MW-12; cobalt, nickel, and vinyl chloride in MW-13; cobalt in MW-23; and arsenic in VP-3 exited corrective action and returned to assessment constituents during the Fall 2019 or Spring 2020 statistical evaluations. Cobalt in AW-5 and MW-

17 exited corrective action and returned to assessment constituents during the Fall 2020 statistical evaluation. Arsenic in MW-20 exited corrective action and returned to an assessment constituent during the Fall 2023 statistical evaluation. Cobalt in MW-35 exited corrective action and returned to an assessment constituent during this Fall 2025 statistical evaluation. Compliance with the GWPS was first achieved in Spring 2015 for nickel in MW-12 and vinyl chloride in MW-13; in Fall 2016 for cobalt and nickel in MW-13 and cobalt in MW-23; in Spring 2017 for arsenic in VP-3; in Fall 2017 for cobalt in AW-5 and MW-17, in Spring 2020 for arsenic in MW-20, and in Fall 2022 for cobalt in MW-35. The historical data prior to these initial compliance dates have been removed.

The following data set adjustments due to exiting corrective action were maintained for Site 1. Note that the decision to return cobalt in MW-35 to assessment monitoring was made in the Fall 2024 statistical evaluation. Since MW-35 is analyzed annually in the Fall, MW-35 returned to assessment monitoring this statistical evaluation; however, the corresponding data was removed during the Spring 2025 statistical evaluation.

- Removal of the Sep. 2010 through March 2017 cobalt data in AW-5. Note that earlier non-detect cobalt data had already been removed as discussed in Section 5.1.1.
- Removal of the Aug. 2008 through Sep. 2014 nickel data in MW-12.
- Removal of the Sep. 2009 through Mar. 2016 cobalt data in MW-13.
- Removal of the Mar. 2015 through Mar. 2016 nickel data in MW-13. Note that nickel data prior to Mar. 2015 had already been removed as discussed in Section 5.1.2.
- Removal of the Aug. 2008 through Sep. 2014 vinyl chloride data in MW-13.
- Removal of the Sep. 2009 through March 2017 cobalt data in MW-17. Note that earlier non-detect cobalt data had already been removed as discussed in Section 5.1.1.
- Removal of the Aug. 2008 through Aug. 2019 arsenic data in MW-20.
- Removal of the Sep. 2010 through Mar. 2016 cobalt data in MW-23. Note that earlier non-detect cobalt data had already been removed as discussed in Section 5.1.1.
- Removal of the Aug. 2008 through Aug. 2016 arsenic data in VP-3.
- Removal of the Aug. 2008 through Aug. 2021 cobalt data in MW-35.

5.2 Background as the Cobalt GWPS

Background cobalt concentrations in the upper bedrock data set exceeded the 567 IAC Chapter 137 Statewide Standard. Therefore, pursuant to 567 IAC 113.10(6)h, the GWPS for cobalt becomes background. The GWPS for cobalt in corrective action monitoring was evaluated with the statistical methods described in Attachment 1 and as recommended in the Unified Guidance (USEPA, 2009). Both the prediction limit (i.e., *two-sample*) and confidence interval (i.e., *one-sample*) methods were evaluated. Where concentration shifts were detected in the data, the *one-sample* confidence interval method was evaluated utilizing the linear trend line approach further detailed in Section 5.3 below. With background as the GWPS, the upper confidence limit is compared to the background upper tolerance limit with 95% confidence and 95% coverage (discussed in detail in Attachment 1).

Statistical outputs for the prediction limit and confidence interval methods with background as the GWPS for cobalt in upper bedrock wells MW-105A and MW-106A are included in Attachment 5. Note that the confidence interval method for cobalt in MW-105A was evaluated as 90% confidence bands placed around the linear trend line due to a statistically significant decreasing trend identified at this location, as further discussed in Section 5.3 below.

5.3 Data Concentration Shifts During Corrective Action

Statistically significant decreasing linear trends continued to be identified for arsenic in AW-1 (since 2008), in MW-12 (since 2008), in MW-17 (since 2018), in MW-24 (since 2012), in MW-30 (since 2008), and in MW-34 (since 2011); cobalt in MW-105A (since 2013) and in MW-109B (since 2017); for thallium in AW-2 (since 2013), MW-20 (since 2012), and MW-109B (since 2017); and for vinyl chloride in MW-34 (since 2008). In addition, statistically significant decreasing linear trends were newly identified for arsenic in MW-13 (since 2019), MW-16 (since 2016), and MW-109B (since 2020) in this Fall 2025 statistical evaluation. Consistent with previous memos, 90% confidence bands (upper 95% confidence limits) placed around the linear trend line were used since significantly decreasing linear trends were identified for these well/analyte pairs.

Conversely, beginning this statistical evaluation, arsenic in MW-106A no longer has a statistically significant decreasing linear trend; therefore, arsenic in MW-106A was evaluated through statistical confidence intervals under the corrective action monitoring null hypothesis.

With confidence bands placed around the linear trend line for upper bedrock cobalt, the GWPS was calculated as the background upper tolerance limit with 95% confidence and 95% coverage. Regression statistics and confidence band outputs for these analyte/well pairs are provided in Attachment 5.

The upper 95% confidence limit remained below the GWPS for cobalt in MW-105A and thallium in MW-20. Conversely, the upper 95% confidence limits were above the GWPS for arsenic in AW-1, MW-12, MW-13, MW-16, MW-17, MW-24, MW-30, MW-34, and MW-109B; for cobalt in MW-109B; for thallium in AW-2 and MW-109B; and for vinyl chloride in MW-34.

5.4 First Order Regression Calculations

Table 11 of the AWQR lists a projected year to completion for each analyte/well pair in corrective action (i.e., those listed in Table 3 of this memo). As initiated with the Fall 2019 statistical evaluation, remedy completion timeframes were estimated for the individual analyte/well pairs in corrective action for inclusion in Table 11 of the 2025 AWQR.

For the corrective action constituents that have achieved compliance with the GWPS (i.e., cobalt in MW-105A and thallium in MW-20), first order regression calculations were not utilized. The projected year to completion is three years after compliance with the GWPS was first statistically achieved and will remain that date as long as concentrations remain statistically below the GWPS during the interim statistical evaluations.

For the remaining corrective constituents (i.e., those that have not achieved compliance with the GWPS), the projected year to completion was based on the first order regression calculations for each individual analyte/well pair. The projected years to completion are three years after the first order regression calculations projected initial compliance with the GWPS. For the corrective action constituents with decreasing trends, the first order regression calculations and projected year to completion are included in the regression statistics output in Attachment 5. The first order regression calculations for the remaining corrective action constituents are included on “Sample Values and Corresponding 1st-Order Regression Calculations for Date to Completion” table in Attachment 5.

5.5 SSL Summary

Confidence interval output for the upper and deeper bedrock assessment constituents is included in Attachment 4, and for the upper and deeper bedrock corrective action constituents is included in Attachment 5. The results for the upper bedrock are summarized in Table 11 and the results for the deeper bedrock are summarized in Table 11.

Table 11
Upper Bedrock SSL Summary
Aug. 2008 – Aug. 2025 Appendix II Data

Chemical Name	Wells with SSL (1)	SSL Not Identified or Rejected (1)	GWPS (2)
Delineation Monitoring Locations - Assessment Constituents			
Barium (mg/L)		MW-106A, MW-107A, MW-109A	2
Selenium (mg/L)		MW-109A	0.05
Assessment Monitoring Locations			
Arsenic (mg/L)		AW-3, AW-4, AW-5, MW-35, VP-3, VP-4	0.01
Barium (mg/L)		AW-5, MW-26, MW-28, MW-35, VP-3	2
Cadmium (mg/L)		AW-4	0.005
Cobalt (mg/L)		AW-4	0.008
Copper (mg/L)		AW-4	1.3
Nickel (mg/L)		AW-4	0.1
Selenium (mg/L)		AW-5	0.05
Silver (mg/L)		AW-4	0.1
Thallium (mg/L)		MW-21, MW-23	0.002
Corrective Action Monitoring Locations - Assessment Constituents			
1,1-Dichloroethane (ug/L)		AW-2, MW-12, MW-16	140
1,2-Dichlorobenzene (ug/L)		MW-12, MW-13, MW-24	600
1,4-Dichlorobenzene (ug/L)		MW-12, MW-13, MW-16, MW-24, MW-32, MW-34	75
Acetone (ug/L)		MW-32, MW-34	
Arsenic (mg/L)		MW-20	0.01
Barium (mg/L)		AW-2, MW-12, MW-13, MW-24, MW-30, MW-32, MW-34	2
Benzene (ug/L)		MW-13, MW-24, MW-30, MW-32, MW-34	5
Chlorobenzene (ug/L)		AW-1, AW-2, MW-12, MW-13, MW-24, MW-32, MW-34	100
Chloroethane (ug/L)		MW-30	2800
cis-1,2-Dichloroethene (ug/L)		AW-2, MW-12, MW-30	70
Nickel (mg/L)		MW-12, MW-24	0.1
Thallium (mg/L)		AW-1, MW-12, MW-24	0.002
Toluene (ug/L)		MW-32, MW-34	100

Table 11 Continued
Upper Bedrock SSL Summary
Aug. 2008 – Aug. 2025 Appendix II Data

Chemical Name	Wells with SSL [1]	SSL Not Identified or Rejected [1]	GWPS [2]
Corrective & Delineation Action Monitoring Locations – Corrective Action Constituents			
Arsenic (mg/L)	AW-1, AW-2, MW-12, MW-13, MW-16, MW-17, MW-24, MW-30, MW-32, MW-34, MW-106A		0.01
Cobalt (mg/L)	MW-106A (Both Methods)	MW-105A (Both Methods)	0.008 [3]
Thallium (mg/L)	AW-2	MW-20	0.002
Vinyl Chloride (ug/L)	MW-34		2

[1] Under the assessment null hypothesis, an SSL is indicated when the lower confidence limit exceeds the GWPS. Under corrective action null hypothesis, an SSL remains when the upper confidence limit exceeds the GWPS.
[2] Values are the 40 CFR Part 141 Safe Drinking Water Act MCL or the 567 IAC Chapter 137 Statewide Standard for a Protected Groundwater Source.
[3] GWPS for cobalt is background. The hypothesis was evaluated through the both the two-sample prediction limit method (GWPS = 0.008 mg/L) and the *one-sample* confidence limit method where the fixed GWPS was based on the background upper tolerance limit with 95% confidence and 95% coverage (GWPS = 0.008 mg/L).

Table 12
Deeper Bedrock SSL Summary
Aug. 2008 – Aug. 2025 Appendix II Data

Chemical Name	Wells with SSL [1]	SSL Not Identified or Rejected [1]	GWPS [2]
Delineation Monitoring Locations – Assessment			
1,1-Dichloroethane (ug/L)		MW-105B	140
1,4-Dichlorobenzene (ug/L)		MW-109B	75
Arsenic (mg/L)		MW-105B	0.01
Barium (mg/L)		MW-107B, MW-108B, MW-109B	2
Chlorobenzene (ug/L)		MW-109B	100
Cobalt (mg/L)		MW-102B, MW-107B	0.0021
Nickel (mg/L)		MW-105B, MW-107B, MW-108B, MW-109B	0.1
Thallium (mg/L)		MW-107B	0.002
Assessment Monitoring Locations			
Arsenic (mg/L)		MW-18	0.01
Barium (mg/L)		MW-25	2
Cobalt (mg/L)		MW-11, MW-15	0.0021
Nickel (mg/L)		MW-15, MW-18, MW-19	0.1
Corrective Action Monitoring Locations – Assessment Constituents			
1,1-Dichloroethane (ug/L)		AW-6, MW-14, MW-22	140
1,2-Dichlorobenzene (ug/L)		MW-14	600
1,4-Dichlorobenzene (ug/L)		MW-14, MW-22, MW-36	75
Barium (mg/L)		AW-6, CRL-9, MW-14, MW-22, MW-33, MW-36	2
Benzene (ug/L)		CRL-9, MW-14	5
Chlorobenzene (ug/L)		MW-14, MW-22, MW-33, MW-36	100
Cobalt (mg/L)		MW-14, MW-33, MW-36	0.0021
Nickel (mg/L)		AW-6, CRL-9, MW-14, MW-22, MW-36	0.1

Table 12 Continued
Deeper Bedrock SSL Summary
Aug. 2008 – Aug. 2025 Appendix II Data

Chemical Name	Wells with SSL [1]	SSL Not Identified or Rejected [1]	GWPS [2]
Corrective & Delineation Action Monitoring Locations – Corrective Action Constituents			
Arsenic (mg/L)	CRL-9, MW-14, MW-22, MW-33, MW-36, MW-109B		0.01
Cobalt (mg/L)	AW-6, CRL-9, MW-22, MW-105B, MW-109B		0.0021
Thallium (mg/L)	MW-109B		0.002

[1] Under the assessment null hypothesis, an SSL is indicated when the lower confidence limit exceeds the GWPS. Under corrective action null hypothesis, an SSL remains when the upper confidence limit exceeds the GWPS.
[2] Values are the 40 CFR Part 141 Safe Drinking Water Act MCL or the 567 IAC Chapter 137 Statewide Standard for a Protected Groundwater Source.

5.6 Summary of Comparison to Groundwater Protection Standard

5.6.1 Delineation Monitoring Locations

No SSLs were identified for the assessment constituents in the upper bedrock delineation monitoring locations. Cobalt in MW-105A and arsenic and cobalt in MW-106A were evaluated as corrective action constituents. Compliance with the GWPS was achieved for cobalt in MW-105A starting with the Fall 2024 statistical evaluation and remained during the current statistical evaluation. In accordance with IAC 113.10(9)e(2), cobalt in MW-105A will return to an assessment constituent in 2027 if the constituent/well pair remains below the GWPS in the interim statistical evaluations. SSLs continued to be identified for arsenic and cobalt in MW-106A; therefore, compliance with the GWPS has not been achieved. In previous evaluations, a statistically decreasing trend was identified for arsenic in MW-106A. However, in this statistical evaluation, arsenic in MW-106A no longer has a statistically significant decreasing trend; therefore, arsenic in MW-106A was evaluated through statistical confidence intervals under the corrective action monitoring null hypothesis.

No SSLs were identified for the assessment constituents in the deeper bedrock delineation monitoring locations. Cobalt in MW-105B and arsenic, cobalt, and thallium in MW-109B were evaluated as corrective action constituents. SSLs continued to be identified for these analyte/well pairs; therefore, compliance with the GWPS has not been achieved. Note that statistically significant decreasing trends have been identified for cobalt and thallium in MW-109B. In addition, a statistically significant decreasing trend was newly identified for arsenic in MW-109B in this Fall 2025 statistical evaluation.

5.6.2 Assessment Monitoring Locations

No SSLs were identified in the upper or deeper bedrock assessment monitoring locations.

5.6.3 Corrective Action Monitoring Locations

No SSLs were identified for the assessment constituents in the upper and deeper bedrock corrective action monitoring locations.

For the upper bedrock corrective action constituents listed in Table 3, SSLs over the GWPS remained for arsenic in AW-1, AW-2, MW-12, MW-13, MW-16, MW-17, MW-24, MW-30, MW-32, and MW-34; for thallium in AW-2; and for vinyl chloride in MW-34. While compliance with the GWPS was not achieved, statistically significant decreasing trends were identified for arsenic in

AW-1, MW-12, MW-13, MW-16, MW-17, MW-24, MW-30, and MW-34; thallium in AW-2; and vinyl chloride in MW-34. Note that statistically significant decreasing trends were newly identified for arsenic in MW-13 and MW-16 in this Fall 2025 statistical evaluation.

Compliance with the GWPS was achieved for thallium in MW-20 starting with the Fall 2024 statistical evaluation and remained during the current statistical evaluation. In accordance with IAC 113.10(9)e(2), thallium in MW-20 will return to an assessment constituent in 2027 if the constituent/well pair remains below the GWPS in the interim statistical evaluations.

For the deeper bedrock corrective action constituents listed in Table 3, SSLs continued to be identified for arsenic in CRL-9, MW-14, MW-22, MW-33, and MW-36; and for cobalt in AW-6, CRL-9, and MW-22.

6 Effective Power and Site-Wide False Positive Rate

Statistical power calculations, effective power curves for the 1-of-2 prediction limit plan, and the current site-wide false positive rate (SWFPR) are discussed in detail in Attachment 6. Based on the power curves, the parametric and non-parametric prediction limits have good power. The current cumulative annual SWFPR for the plan is approximately 22%. The current annual SWFPR is higher than the Unified Guidance target 10% false positive rate due to moving from a 1-of-3 to the 1-of-2 prediction plan starting with the Spring 2021 statistical evaluation and the relatively large number of downgradient comparisons with non-parametric prediction limits. Given the number of non-parametric prediction limit evaluations, a background sample size of approximately 80-90 is needed to reduce the SWFPR once again to the 10% target level.

Statistical power calculations for confidence limits compared to the GWPS under assessment monitoring (or assessment mode under corrective action) are included in the confidence interval output of Attachment 4. Details regarding the purpose and procedures for these calculations are provided in Attachment 1. Confidence limits are calculated to meet statistical power levels of 50% for increases in the true concentration mean of 1.5 times a fixed standard, and 80% for increases in the true concentration mean of 2.0 times a fixed standard, as discussed in Unified Guidance Chapter 22 (USEPA, 2009).

7 Conclusions

The methodology described in Attachment 1 was utilized to conduct the statistical evaluations for the upper and deeper bedrock locations in the delineation and corrective action monitoring programs.

In August 2025, semiannual corrective action, background, and delineation monitoring was conducted at upper bedrock wells MW-12, MW-13, MW-16, MW-17, MW-32, MW-37, and MW-101A and deeper bedrock wells MW-14, MW-33, MW-38, MW-101B, and MW-109B. In accordance with Permit Amendment #16, annual detection, assessment, corrective action, and delineation monitoring was also conducted in August 2025 at upper bedrock wells AW-1, AW-2, AW-3, AW-4, AW-5, MW-20, MW-21, MW-23, MW-24, MW-26, MW-28, MW-30, MW-34, MW-35, VP-3, VP-4, MW-105A, MW-106A, MW-107A, and MW-109A and deeper bedrock wells AW-6, CRL-9, MW-11, MW-15, MW-18, MW-19, MW-22, MW-25, MW-31, MW-36, MW-102B, MW-104B, MW-105B, MW-107B, and MW-108B.

7.1 Upper Bedrock Monitoring Locations

A summary of the Fall 2025 statistical evaluation results for the upper bedrock system is presented in Table 13.

Table 13
Summary of the Fall 2025 Evaluation - Upper Bedrock

Monitoring Location	Monitoring Program	Current Schedule [1] (Aug. 2025)	Current SSIs	Corrective Action Constituents		Retesting Parameter	Monitoring Program Changes
				Current SSLs [2]	Achieved Compliance with GWPS		
Downgradient Monitoring Locations							
AW-1	Corrective Action	Appendix II	Chlorobenzene; Thallium	Arsenic			
AW-2	Corrective Action	Appendix II	1,1-Dichloroethane; Barium; Chlorobenzene; cis-1,2-Dichloroethene	Arsenic; Thallium			
AW-3	Assessment	Appendix II	Arsenic				
AW-4	Assessment	Appendix II	Arsenic; Cadmium; Cobalt; Copper; Nickel; Silver				
AW-5	Assessment	Appendix II	Arsenic; Barium; Selenium				
MW-12	Corrective Action	Appendix II	1,1-Dichloroethane; 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Barium; Chlorobenzene; cis-1,2-Dichloroethene; Nickel; Thallium	Arsenic			
MW-13	Corrective Action	Appendix II	1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Barium; Benzene; Chlorobenzene	Arsenic			
MW-16	Corrective Action	Appendix II	1,1-Dichloroethane; 1,4-Dichlorobenzene	Arsenic			
MW-17	Corrective Action	Appendix II		Arsenic			
MW-20	Corrective Action	Appendix II	Arsenic		Thallium		
MW-21	Assessment	Appendix II	Thallium				
MW-23	Assessment	Appendix II	Thallium				
MW-24	Corrective Action	Appendix II	1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Barium; Benzene; Chlorobenzene; Nickel; Thallium	Arsenic			
MW-26	Assessment	Appendix II	Barium				
MW-28	Assessment	Appendix II	Barium				
MW-30	Corrective Action	Appendix II	Barium; Benzene; Chloroethane; cis-1,2-Dichloroethene	Arsenic			
MW-32	Corrective Action	Appendix II	1,4-Dichlorobenzene; Acetone; Barium; Benzene; Chlorobenzene; Toluene	Arsenic		m/p-Cresol [3]	
MW-34	Corrective Action	Appendix II	1,4-Dichlorobenzene; Acetone; Barium; Benzene; Chlorobenzene; Toluene	Arsenic; Vinyl Chloride			
MW-35	Assessment [4]	Appendix II	Arsenic; Barium				
VP-3	Assessment	Appendix II	Arsenic; Barium				
VP-4	Assessment	Appendix II	Arsenic				

Table 13 Continued
Summary of the Fall 2025 Evaluation - Upper Bedrock

Monitoring Location	Monitoring Program	Current Schedule [1] (Aug. 2025)	Current SSIs	Corrective Action Constituents		Retesting Parameter	Monitoring Program Changes
				Current SSLs [2]	Achieved Compliance with GWPS		
Background Monitoring Locations							
MW-37	Background	Appendix II					
MW-101A	Background	Appendix II					
Delineation Monitoring Locations							
MW-105A	Delineation	Appendix I			Cobalt		
MW-106A	Delineation	Appendix I	Barium	Arsenic; Cobalt			
MW-107A	Delineation	Appendix I	Barium				
MW-109A	Delineation	Appendix I	Barium; Selenium				

[1] Except for MW-26, the five-year resampling for the full Appendix II list was conducted at the assessment, corrective action, and background monitoring locations in Aug. 2025. MW-26 was sampled for Appendix I and detected Appendix II constituents in Aug. 2025.

[2] Analyte/well pairs with SSLs over the GWPS identified during previous statistical evaluations and have not achieved compliance with the GWPS for 3 consecutive years in accordance with 567 IAC 113.10(9)e(2).

[3] m/p-Cresol in MW-32 was newly detected during the five-year resampling for the full Appendix II list conducted in Aug. 2025; therefore, retesting is recommended. Under the retesting plan, an SSI is not declared until one subsequent resample result confirms the detections. A retest sample will be collected for m/p-cresol in MW-32 prior to the next scheduled sampling event.

[4] In accordance with 567 IAC 113.10(9)e(2), cobalt in MW-35 returned to an assessment constituent in 2025 since compliance with the GWPS was maintained for three consecutive years. Since cobalt was the only corrective action constituent in MW-35, MW-35 returned to an assessment monitoring location.

7.1.1 Delineation Monitoring

In August 2025, annual delineation monitoring for the Appendix I list was conducted at MW-105A, MW-106A, MW-107A, and MW-109A. No SSIs were identified at MW-105A. The SSIs identified for the assessment constituents in MW-106A, MW-107A, and MW-109A are summarized in Table 13. No SSLs were identified for the assessment constituents in the upper bedrock delineation monitoring locations.

Cobalt in MW-105A and arsenic and cobalt in MW-106A were evaluated as corrective action constituents due to previously identified SSLs for these analyte/well pairs. The GWPS for cobalt was taken as background since background cobalt concentrations exceeded the 567 IAC Chapter 137 Statewide Standard for a Protected Groundwater Source. Both the *two-sample* prediction limit and the *one-sample* confidence interval or confidence band on the linear trend line testing methods were utilized to compare cobalt in MW-105A and MW-106A to the background GWPS. Compliance with the GWPS was achieved for cobalt in MW-105A starting with the Fall 2024 statistical evaluation and remained during the current statistical evaluation. In accordance with IAC 113.10(9)e(2), cobalt in MW-105A will return to an assessment constituent in 2027 if the constituent/well pair remains below the GWPS in the interim statistical evaluations. SSLs continued to be identified for arsenic and cobalt in MW-106A; therefore, compliance with the GWPS has not been achieved.

Annual delineation monitoring for the Appendix I list will be conducted at MW-105A, MW-106A, MW-107A, and MW-109A in Fall 2026.

7.1.2 Assessment Monitoring

In August 2025, annual assessment monitoring was conducted at AW-3, AW-4, AW-5, MW-21, MW-23, MW-26, MW-28, VP-3, and VP-4. In addition, MW-35 exited corrective action and returned to an assessment monitoring location in August 2025 in accordance with 567 IAC 113.10(9)e(2). In accordance with Permit Amendment #6, the five-year resampling for the full Appendix II list was conducted at the assessment monitoring locations, except for MW-26. In August 2025, MW-26 was sampled for Appendix I and detected Appendix II constituents.

The SSIs identified at the upper bedrock assessment monitoring locations are summarized in Table 13. No SSLs were identified for the upper bedrock assessment monitoring locations.

The Fall 2025 statistical evaluation did not identify upper bedrock assessment monitoring locations with all Appendix II constituents below the interwell prediction limit or laboratory reporting limit for three consecutive sampling events. As a result, none of the upper bedrock locations may exit assessment monitoring at this time.

Annual assessment monitoring for Appendix I and detected Appendix II constituents will be conducted at the assessment monitoring locations in Fall 2026. No new Appendix II constituents were detected above the PQL at the upper bedrock assessment monitoring locations during the 5-year resampling event; therefore, no new constituents will be added to the detected Appendix II constituents during annual assessment monitoring events for the Appendix I and detected Appendix II constituents. In accordance with Permit Amendment #6, the next five-year resampling for the full Appendix II list will be conducted at MW-26 in Fall 2028 and AW-3, AW-4, AW-5, MW-21, MW-23, MW-28, MW-35, VP-3, and VP-4 in Fall 2030.

7.1.3 Corrective Action Monitoring

In August 2025, semiannual corrective action monitoring was conducted at MW-12, MW-13, MW-16, MW-17, and MW-32 and annual corrective action monitoring was conducted at AW-1, AW-2, MW-20, MW-24, MW-30, and MW-34. In accordance with Permit Amendment #6, the five-year resampling for the full Appendix II list was conducted at the corrective action monitoring locations in August 2025.

No SSIs were identified at MW-17. The SSIs identified for the assessment constituents in AW-1, AW-2, MW-12, MW-13, MW-16, MW-20, MW-24, MW-30, MW-32, and MW-34 are summarized in Table 13. No SSLs were identified for the assessment constituents in the upper bedrock corrective action monitoring locations.

For the upper bedrock corrective action constituents listed in Table 3, SSLs over the GWPS remained for arsenic in AW-1, AW-2, MW-12, MW-13, MW-16, MW-17, MW-24, MW-30, MW-32, and MW-34; for thallium in AW-2; and for vinyl chloride in MW-34. While compliance with the GWPS was not achieved, statistically significant decreasing trends were identified for arsenic in AW-1, MW-12, MW-13, MW-16, MW-17, MW-24, MW-30, and MW-34; thallium in AW-2; and vinyl chloride in MW-34.

Compliance with the GWPS was achieved for thallium in MW-20 starting with the Fall 2024 statistical evaluation and remained during the current statistical evaluation. In accordance with IAC 113.10(9)e(2), thallium in MW-20 will return as an assessment constituent in 2027 if the constituent/well pair remains below the GWPS in the interim statistical evaluations.

m/p-Cresol was newly detected above the PQL in MW-32 during the five-year resampling for the full Appendix II list in August 2025; therefore, retesting is recommended. Under the retesting plan, an SSI is not declared until one subsequent resample result confirms the detection. A retest sample will be collected for m/p-cresol in MW-32 prior to the next scheduled sampling event.

Semiannual corrective action monitoring for the Appendix I and detected Appendix II constituents will be conducted at MW-12, MW-13, MW-16, MW-17, and MW-32 in Spring and Fall 2026. Annual corrective action monitoring for the Appendix I and detected Appendix II constituents will be conducted AW-1, AW-2, MW-20, MW-24, MW-30, and MW-34 in Fall 2026. No new Appendix II constituents were detected above the PQL at AW-1, AW-2, MW-12, MW-13, MW-16, MW-17, MW-20, MW-24, MW-30, and MW-34 during the 5-year resampling event; therefore, no new constituents will be added to the detected Appendix II constituents during semiannual or annual corrective action monitoring events for the Appendix I and detected Appendix II constituents. m/p-Cresol will be added as a detected Appendix II constituent for MW-32 during annual corrective monitoring events for the Appendix I and detected Appendix II constituents. In accordance with Permit Amendment #6, the next five-year resampling for the full Appendix II list will be conducted at the corrective action monitoring locations in Fall 2030.

7.1.4 Background Monitoring

Semiannual background monitoring for the full Appendix II list was conducted at MW-37 and MW-101A in August 2025. No new Appendix II constituents were detected at the background monitoring locations during the 5-year resampling event. Semiannual background monitoring for the Appendix I and detected Appendix II constituents will be continued at MW-37 and MW-

101A in Spring and Fall 2026. The next five-year resampling for the full Appendix II list will be conducted at background wells MW-37 and MW-101A in Fall 2030.

7.2 Deeper Bedrock Monitoring Locations

A summary of the Fall 2025 statistical evaluation results for the deeper bedrock system is presented in Table 14.

Table 14
Summary of the Fall 2025 Evaluation - Deeper Bedrock

Monitoring Location	Monitoring Program	Current Schedule [1] (Aug. 2025)	Current SSIs	Corrective Action Constituents		Retesting Parameter	Monitoring Program Changes
				Current SSLs [2]	Achieved Compliance with GWPS		
Downgradient Monitoring Locations							
AW-6	Corrective Action	Appendix II	1,1-Dichloroethane; Barium; Nickel	Cobalt			
CRL-9	Corrective Action	Appendix II	Barium; Benzene; Nickel	Arsenic; Cobalt		o-Toluidine, Sulfide [3]	
MW-11	Assessment	Appendix II	Cobalt				
MW-14	Corrective Action	Appendix II	1,1-Dichloroethane; 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; Barium; Benzene; Chlorobenzene; Cobalt; Nickel	Arsenic			
MW-15	Assessment	Appendix II	Cobalt; Nickel				
MW-18	Assessment	Appendix II	Arsenic; Nickel			Methoxychlor [3]	
MW-19	Assessment	Appendix II	Nickel				
MW-22	Corrective Action	Appendix II	1,1-Dichloroethane; 1,4-Dichlorobenzene; Barium; Chlorobenzene; Nickel	Arsenic; Cobalt			
MW-25	Assessment	Appendix II	Barium				
MW-31	Detection	Appendix I					
MW-33	Corrective Action	Appendix II	Barium; Chlorobenzene; Cobalt	Arsenic			
MW-36	Corrective Action	Appendix II	1,4-Dichlorobenzene; Barium; Chlorobenzene; Cobalt; Nickel	Arsenic			
Background Monitoring Locations							
MW-38	Background	Appendix II					
MW-101B	Background	Appendix II					
Delineation Monitoring Locations							
MW-102B	Delineation	Appendix I	Cobalt				
MW-104B	Delineation	Arsenic [4]					
MW-105B	Delineation	Appendix I	1,1-Dichloroethane; Arsenic; Nickel	Cobalt			
MW-107B	Delineation	Appendix I	Barium; Cobalt; Nickel; Thallium				
MW-108B	Delineation	Appendix I without Cobalt [5]	Barium; Nickel				
MW-109B	Delineation	Appendix I	1,4-Dichlorobenzene; Barium; Chlorobenzene; Nickel	Arsenic; Cobalt; Thallium			

[1] The five-year resampling for the full Appendix II list was conducted at the assessment, corrective action, and background monitoring locations in Aug. 2025.
[2] Analyte/well pairs with SSLs over the GWPS identified during previous statistical evaluations and have not achieved compliance with the GWPS for 3 consecutive years in accordance with 567 IAC 113.10(9)e(2).

(3) o-Toluidine and sulfide in CRL-9 and methoxychlor in MW-18 were newly detected during the five-year resampling for the full Appendix II list conducted in Aug. 2025; therefore, retesting is recommended. Under the retesting plan, an SSI is not declared until one subsequent resample result confirms the detections. Retest samples will be collected for o-toluidine and sulfide in CRL-9 and methoxychlor in MW-18 prior to the next scheduled sampling event.
(4) IDNR approved retaining MW-104B as an arsenic delineation monitoring well in the letter dated May 12, 2016 (IDNR, 2016).
(5) IDNR approved the removal of cobalt from the list of analytes at MW-108B in the letter dated Apr. 16, 2019 (IDNR, 2019).

7.2.1 Detection Monitoring

In August 2025, annual detection monitoring for the Appendix I constituents was conducted at MW-31. No SSIs were identified at MW-31. Annual detection monitoring for the Appendix I list will be conducted at MW-31 in Fall 2026.

7.2.2 Delineation Monitoring

In August 2025, semiannual delineation monitoring was conducted at MW-109B for the Appendix I constituents. In addition, annual delineation monitoring was conducted at MW-102B, MW-105B, and MW-107B for the Appendix I list, at MW-104B for arsenic, and at MW-108B for the Appendix I list without cobalt.

An SSI was not identified for arsenic at MW-104B. The SSIs identified for the assessment constituents in the remaining deeper bedrock delineation monitoring locations are summarized in Table 14. No SSLs were identified for the assessment constituents in the deeper bedrock delineation monitoring locations.

Cobalt in MW-105B and arsenic, cobalt, and thallium in MW-109B were evaluated as corrective action constituents due to previously identified SSLs for these analyte/well pairs. SSLs continued to be identified for these analyte/well pairs; therefore, compliance with the GWPS has not been achieved. While compliance with the GWPS was not achieved, statistically significant decreasing trends were identified for arsenic, cobalt, and thallium in MW-109B.

Semiannual delineation monitoring for the Appendix I constituents will be conducted at MW-109B in Spring and Fall 2026. In Fall 2026, annual delineation monitoring will be conducted at MW-102B, MW-105B, and MW-107B for the Appendix I list, at MW-104B for arsenic, and at MW-108B for the Appendix I list without cobalt.

7.2.3 Assessment Monitoring

In August 2025, annual assessment monitoring was conducted at MW-11, MW-15, MW-18, MW-19, and MW-25. In accordance with Permit Amendment #6, the five-year resampling for the full Appendix II list was conducted at the assessment monitoring locations in August 2025.

The SSIs identified at the deeper bedrock assessment monitoring locations are summarized in Table 14. No SSLs were identified in the deeper bedrock assessment monitoring locations.

The Fall 2025 statistical evaluation did not identify deeper bedrock assessment monitoring locations with all Appendix II constituents below the interwell prediction limit or laboratory reporting limit for three consecutive sampling events. As a result, none of the deeper bedrock locations may exit assessment monitoring at this time.

Methoxychlor was newly detected above the PQL in MW-18 during the five-year resampling for the full Appendix II list in August 2025; therefore, retesting is recommended. Under the retesting plan, an SSI is not declared until one subsequent resample result confirms the detection. A retest sample will be collected for methoxychlor in MW-18 prior to the next scheduled sampling event.

Annual assessment monitoring for Appendix I and detected Appendix II constituents will be conducted at the assessment monitoring locations in Fall 2026. No new Appendix II constituents were detected above the PQL at MW-11, MW-15, MW-19, and MW-25 during the 5-year resampling event; therefore, no new constituents will be added to the detected Appendix II

constituents for these locations during annual assessment monitoring events for the Appendix I and detected Appendix II constituents. Methoxychlor will be added as a detected Appendix II constituent for MW-18 during annual assessment monitoring events for the Appendix I and detected Appendix II constituents. In accordance with Permit Amendment #6, the next five-year resampling for the full Appendix II list will be conducted at the corrective action monitoring locations in Fall 2030.

7.2.4 Corrective Action Monitoring

In August 2025, semiannual corrective action monitoring was conducted at MW-14 and MW-33, and annual corrective action monitoring was conducted at AW-6, CRL-9, MW-22, and MW-36. In accordance with Permit Amendment #6, the five-year resampling for the full Appendix II list was conducted at the corrective action monitoring locations in August 2025.

The SSIs identified for the assessment constituents in the deeper bedrock corrective action monitoring locations are summarized in Table 14. No SSLs were identified for the assessment constituents in the deeper bedrock corrective action monitoring locations.

For the deeper bedrock corrective action constituents listed in Table 3, SSLs continued to be identified for arsenic in CRL-9, MW-14, MW-22, MW-33, and MW-36; and for cobalt in AW-6, CRL-9, and MW-22.

o-Toluidine and sulfide were newly detected above the PQL in CRL-9 during the five-year resampling for the full Appendix II list in August 2025; therefore, retesting is recommended. Under the retesting plan, an SSI is not declared until one subsequent resample result confirms the detections. A retest sample will be collected for o-toluidine and sulfide in CRL-9 prior to the next scheduled sampling event.

Semiannual corrective action monitoring for the Appendix I and detected Appendix II constituents will be conducted at MW-14 and MW-33 in Spring 2026 and Fall 2026. Annual corrective action monitoring for the Appendix I and detected Appendix II constituents will be conducted at AW-6, CRL-9, MW-22, and MW-36 in Fall 2026. No new Appendix II constituents were detected above the PQL at AW-6, MW-14, MW-22, MW-33, and MW-36 during the 5-year resampling event; therefore, no new constituents will be added to the detected Appendix II constituents during semiannual corrective action monitoring events for the Appendix I and detected Appendix II constituents. o-Toluidine and sulfide will be added as detected Appendix II constituents for CRL-9 during semiannual corrective action monitoring events for the Appendix I and detected Appendix II constituents. In accordance with Permit Amendment #6, the next five-year resampling for the full Appendix II list will be conducted at the corrective action monitoring locations in Fall 2030.

7.2.5 Background Monitoring

Semiannual background monitoring for the Appendix I and detected Appendix II constituents was conducted at MW-38 and MW-101B in August 2025. No new Appendix II constituents were detected at the background monitoring locations during the 5-year resampling event. Semiannual background monitoring for the Appendix I and detected Appendix II constituents will be continued at MW-38 and MW-101B in Spring and Fall 2026. The next five-year resampling for the full Appendix II list will be conducted at background wells MW-37 and MW-101A in Fall 2030.

Attachment 1
Detailed Discussion of Statistical Methods

Foth

Memorandum

Statistical Methodology

1. Comparison to Background

For determining which parameters will need a formal statistical treatment, the Unified Guidance (USEPA, 2009) suggests splitting monitoring parameters into three distinct groups: a) reliable indicators selected for formal testing; b) other analytes which are monitored for general groundwater quality information but not statistically tested; and c) those meeting the "never-detected" criteria. Only those parameters with some historically detected presence in background need to be included in the first group and treated with a formal statistical test. Any parameter that has never been detected in background is eligible for the third group of "never-detected" constituents. Constituents with detections below the reporting limit (J-flagged data) will be considered "never-detected." As a means of evaluating the third group, the Unified Guidance suggests the Double Quantification Rule (DQR). The DQR is stated in the Unified Guidance as:

"A confirmed exceedance is registered if any well-constituent pair in the '100% non-detect' group exhibits quantified measurements [i.e., at or above the reporting limit (RL)] in two consecutive sample and resample events."

The Unified Guidance also recommends establishing background sample sizes as large as feasible. The guidance recognizes that small sample sizes in background can be "particularly" troublesome, especially in controlling statistical test false positive and negative rates. With parametric tests (such as parametric prediction limits), the false positive rate may be controlled, but at the expense of statistical power. With non-parametric tests (such as non-parametric prediction limits or the "quasi-statistical" DQR), the false positive rate may be unacceptably high. The Unified Guidance suggests that generally at least 8 to 10 separate background measurements be available, recognizing that statistical power continues to increase with larger sample sizes.

In reports prior to the *2011 Annual Water Quality Report* (Foth, 2012), the ANOVA and a "2x2 contingency table" methods were used to evaluate statistically significant increases (SSIs) over background. These methods met the criteria of 567 Iowa Administrative Code (IAC) 113.10(4)g and h. The ANOVA and "2x2 contingency table" methods were used to maximize the statistical power while minimizing potentially large false positive rates as a result of the smaller sample sizes.

Starting with the *2011 Annual Water Quality Report* (Foth, 2012), the statistical analysis methods utilized for comparison to background were the DQR and "1-of-3" interwell prediction limits as recommended in the Unified Guidance (USEPA, 2009). Note that a "1-of-2" retesting plan was not selected as it would have resulted in a 'low' effective statistical power level for the site based on USEPA reference power curves as defined in the Unified Guidance.

Starting with the Spring 2021 statistical evaluation, the interwell prediction limit retesting plan was modified to a "1-of-2" plan. With increases in the number of background samples, a "1-of-2" plan was able to achieve a 'good' effective statistical power level for the site based on the USEPA reference power curves.

Expansion of the Background Data Set

The background data set was modified in 2013 to add MW-101A and MW-101B to the upper bedrock and deeper bedrock background data sets, respectively. The statistical analysis methods continued the DQR and "1-of-2" interwell prediction limits as recommended in the Unified Guidance (USEPA, 2009), utilizing the pooled data from MW-37 and MW-101A for the upper bedrock system and MW-38 and MW-101B for the deeper bedrock system.

Double Quantification Rule

The DQR will be used to evaluate SSIs over background for the Appendix I and II constituents that were not detected above the reporting limit in the background data sets. An SSI will be indicated for any well-constituent pair with quantified measurements at or above the reporting limit noted for two consecutive sample and resample events. If applicable, the resample will be collected prior to next semiannual sampling event.

Interwell Prediction Limits

Interwell prediction limits will be used to statistically evaluate SSIs over background for the Appendix I and II constituents which have been detected above the reporting limit in the background data set. A "1-of-2" retesting plan will be utilized on individual sample results. The 1-of-2 retesting plan as defined in the Unified Guidance concludes that an SSI has occurred when two out of two sample results exceed the prediction limit, while no SSI is concluded if 1-of-2 are below the limit. If applicable, the resample will be collected prior to next semiannual sampling event. The prediction limit for each constituent will be recalculated semiannually.

For interwell constituents with less than or equal to 50% detects in the background data set, a non-parametric prediction limit will be utilized. The non-parametric prediction limit will be taken as the maximum order statistic (maximum value) of the background data.

For interwell constituents with greater than 50% detects in the background data set, normality assumptions will be verified using the Shapiro-Wilk normality test. If the background data is not normally distributed, a non-parametric prediction limit will be utilized (as described in the paragraph above). If the background data is normally distributed or can be fit to a normal distribution utilizing a normalizing transformation, then a normal-based parametric prediction limit will be applied.

When considering a lognormal prediction limit, a comparison will be made to the maximum order statistic for the background data set. Lognormal prediction limits can be sensitive to smaller departures from lognormality. That is, if data are not truly lognormal, but also not rejected as lognormal, the prediction limit may be inflated because of the transformation. In choosing a lognormal limit, in addition to the percent detections and lognormal goodness of fit criteria, an additional convention will be applied. If the lognormal limit exceeds the level of twice the maximum background concentration, it is assumed that the lognormal model does not adequately fit the background distribution and a non-parametric prediction limit will be selected.

For interwell constituents with 50% to 85% detects in the background data set, Kaplan-Meier estimation will be applied to manage statistical bias introduced by non-detects. For interwell constituents with over 85% detects in the background data set, half the reporting limit will be used for non-detect data. These estimation methods follow Unified Guidance recommendations and are given in detail in Unified Guidance Chapter 15 (USEPA, 2009).

The parametric prediction limit will be calculated as:

$$PL = \bar{x} + k \cdot s$$

where $\bar{x}$ is the sample mean of the August 2008 through current event background data, *s* is the sample standard deviation, and *k* is the multiplier obtained from the Unified Guidance Table 19-1 (USEPA, 2009) for 1-of-2 interwell prediction limits on observations. In determining *k*, the number of constituents of concern (COCs) for formal statistical evaluation along with the number of downgradient wells need to be identified. Per the basic subdivision discussion presented in Section 19.2.1 of the Unified Guidance, along with the discussion regarding the use of the appendix tables for parametric retesting plans given on pages 19-13 through 19-15 of the Unified Guidance (USEPA, 2009), the *k*-multiplier is chosen based on the number of constituents, wells, and evaluations performed annually. When an exact well and COC configuration is not given in the appendix tables, the *k*-multiplier is linearly interpolated as described on page 19-14 of the Unified Guidance (USEPA, 2009).

Sanitas® v10.1. software (Sanitas Technologies) will be used to check distributional assumptions, perform Kaplan-Meier in the case of 50% to 85% detects in the background data set, and calculate the *k*-multipliers and subsequent prediction limits.

Intrawell Prediction Limits

Intrawell prediction limits are calculated in a similar manner to that described above for the interwell case. A main difference between the two methods is the intrawell limit is calculated from a collection of background measurements within the compliance well. A minimum of eight compliance well background samples will be used when calculating the limit.

A second difference is for the parametric prediction limit, in which the *k*-multiplier is modified from the interwell case, as given in Appendix D Tables 19-10 through 19-18 of the Unified Guidance (USEPA, 2009).

Updating intrawell background is performed periodically. The Unified Guidance (Section 5.3.2) recommends that 4 to 8 new compliance observations be collected prior to updating the background dataset. The guidance also states that "a potential update is predicated on there being no statistically significant increase [SSI] recorded for that well constituent, including since the last update." A two-sample t-test or Wilcoxon rank-sum test between existing intrawell background data and the potential set of newer background data is performed, and a non-significant result (α = 0.05) implies that the newer compliance data can be re-classified as background measurements.

For Wilcoxon rank-sum tests, non-detect results cannot be ranked with certainty and the problem is compounded with multiple PQLs and/or J-flagged values (USEPA, 2009). In comparisons where a substantial fraction of non-detect and/or J-flagged measurements or changing PQLs occur, professional judgment will be utilized for evaluating significant differences between the existing intrawell background data and the potential newer set of background data. Consideration will be given to whether significant differences are due to artificial variation introduced by censored data.

2. Comparison to Groundwater Protection Standard – Assessment Monitoring

According to 567 IAC 113.10(6)f and g, under the assessment monitoring program Appendix II results which have been determined to be statistically above background are also statistically compared to the GWPS. If "Appendix II constituents are detected at statistically significant levels above the GWPS" a notice is placed in the operating record and characterization is begun.

Under 567 IAC 113.10(6)h, the GWPS is the maximum contaminant level (MCL) promulgated under Section 1412 of the Safe Drinking Water Act in 40 Code of Federal Regulations (CFR) Part 141. If no MCL exists, or if background concentrations are higher than the MCL, the GWPS is defined as background. Also, per 567 IAC 113.10(6)i, an alternative GWPS may be established by the department for constituents for which there is no MCL such as the "health-based concentrations that comply with the statewide standards for groundwater established pursuant to 567 IAC Chapter 137."

When the GWPS is background concentrations, the statistical methods discussed in the above "1. Comparison to Background" are used. When the GWPS is the MCL or an alternative health-based concentration, per the Unified Guidance (USEPA, 2009), "confidence intervals are the recommended general statistical strategy in compliance/assessment or corrective action monitoring." In the case of normally distributed data, a normal-based parametric confidence interval is used. If the data are not normally distributed a non-parametric confidence interval on the median is used. A lower 99% confidence limit falling above the GWPS implies that concentrations are detected at statistically significant levels above the GWPS with an α-level of 0.01, which is the minimum RCRA regulatory limit from §264.97(i)(2) for an individual test false positive error rate.

The Unified Guidance recognizes that statistical power is also of prime concern to USEPA and that there "should be a high probability that the statistical test will positively identify concentrations that have exceeded a fixed regulatory standard." In compliance/assessment monitoring, instead of pre-specifying the false positive rate prior to computing confidence interval limits, the Unified Guidance suggests the desired level of power (1-β) should be set as an initial target.

For compliance/assessment monitoring purposes, the Unified Guidance (Chapter 22) suggests evaluating increases in the true concentration mean of 1.5 and 2.0 times a fixed standard. (This is similar in concept to the critical power targets in detection monitoring, i.e., 55-60% power at 3σ above background and 80-85% power at 4σ over background). As a general guide, the Unified Guidance suggests there should be at least 70-80% statistical power for detecting increases of 2 times a fixed standard. Specifically, the Unified Guidance recommends there be 50% power of detecting increases in the true concentration mean of 1.5 times a fixed standard (risk ratio of 1.5) and 80% power of detecting increases in the true concentration mean of 2.0 times a fixed standard (risk ratio of 2.0).

To meet these levels of statistical power, α is chosen based on either Unified Guidance Equation 22.1:

$$1 - \beta = G_{T,n-1}\left(t_{1-\alpha,n-1}\middle|\Delta - \sqrt{n}(R-1)\right);$$

where R is the desired risk ratio, $t_{(1-\alpha,n-1)}$ is the $(1-\alpha)$ Student's t-quantile with ($n-1$) degrees of freedom and *G* represents the cumulative non-central t-distribution with ($n-1$) degrees of freedom and noncentrality parameter Δ;

or Unified Guidance Equation 22.2:

$$\alpha \sim 1 - F_{T,n-1}\left(\frac{(R-1)\sqrt{n}}{R \cdot \widehat{CV}} - t_{1-\beta,n-1}\right);$$

where R is the desired risk ratio, n is the sample size, CV is the estimated sample coefficient of variation, $t_{(1-\beta,n-1)}$ is the $(1-\beta)$ Student's t-quantile with (n−1) degrees of freedom, and *F* is the cumulative (central) Student's t-distribution function.

The first equation (Unified Guidance Equation 22.1) assumes a coefficient of variation (CV) =1. This version is used if only poorer estimates of the true CV are available. In practice, a convention has been adopted with the statistical updates to utilize Unified Guidance Equation 22.2 in all cases where a parametric confidence interval is calculated and use Unified Guidance Equation 22.1 when non-parametric confidence intervals are calculated. Since a non-parametric confidence interval is based on the median, it is not as sensitive to departures from normality, and the assumption of a CV=1 in Unified Guidance Equation 22.1 should provide a conservative estimate.

Since 0.01 is the minimum RCRA regulatory limit for α, it is never set lower than this. Conversely, the Unified Guidance recognizes the "difficulty of simultaneously attaining the recommended level of power while controlling the false positive rate, especially for small sample sizes and highly variable data." The Unified Guidance suggests a maximum false positive rate of α=0.2 is a reasonable upper bound.

Finally, like the need for defining a SWFPR under detection monitoring, the Unified Guidance (Chapter 7) recognizes there may be concern about the "use of relatively high individual test-wise false positive rates (α) in order to meet a pre-specified power, especially when considering the cumulative false positive error rate across multiple wells and/or constituents." However, "the Unified Guidance considers computation of cumulative SWFPRs in compliance/assessment testing to be problematic, and reliance on individual test false positive rates preferable." Notwithstanding, if several confidence limit calculations are compared to the GWPS with high α-levels, caution should be taken in the interpretation.

For calculation of confidence intervals, Sanitas® v10.1 software is again used to check distributional assumptions, perform Kaplan-Meier estimation in the case of 50% to 85% detects, and calculate either parametric or nonparametric confidence limits.

3. <u>Comparison to Groundwater Protection Standard – Corrective Action Monitoring</u>

As stated above, if "Appendix II constituents are detected at statistically significant levels above the GWPS" a notice is placed in the operating record and characterization is begun. Owners or operators are required to initiate an assessment of corrective measures, select a remedy, and implement a remedy in accordance with 567 IAC 113.10(7), (8), and (9). For remedy completion in accordance with 567 IAC 113.10(9)e(2), compliance with the GWPS is considered achieved by demonstrating that concentrations of Appendix II constituents have not exceeded the GWPS

for a period of three consecutive years or an alternate length of time established by the Department.

Starting with the Fall 2019 statistical evaluation, individual analyte/well pairs may return to assessment constituents (at the corrective action monitoring location) once compliance with the GWPS has been achieved for a period of 3 years. Note that monitoring wells will not move out of the corrective action monitoring program until all Appendix II constituents have achieved compliance with the GWPS for a period of three consecutive years.

Confidence Intervals in Corrective Action Mode

In the case of the GWPS being a fixed standard as either the 40 CFR Part 141 Safe Drinking Water Act MCL or the 567 IAC Chapter 137 Statewide Standard for a Protected Groundwater Source, "confidence intervals are the recommended general statistical strategy in compliance/assessment or corrective action monitoring" (USEPA, 2009). However, a primary difference between confidence intervals as used under assessment monitoring and confidence intervals used under corrective action is reversal of the null hypothesis. As detailed in Section 7.2 of the Unified Guidance (USEPA, 2009), the hypothesis testing structure under assessment monitoring is to presume compliance point concentrations do not to exceed the fixed standard unless sampling data indicates otherwise. As a formal statistical hypothesis, this is written as:

$$H_0: \Theta \leq G \quad \text{vs.} \quad H_A: \Theta > G$$

In corrective action mode, the hypothesis is reversed. Namely, compliance point concentrations are presumed to exceed the fixed standard and evidence must be presented to demonstrate regulatory compliance. In the case of corrective action, the statistical hypothesis is written as:

$$H_0: \Theta > G \quad \text{vs.} \quad H_A: \Theta \leq G$$

For testing under assessment monitoring, a lower confidence limit (LCL) is compared to the compliance standard *G*. If the LCL is larger than the standard *G*, it is concluded that the compliance standard has been violated.

However, under corrective action monitoring, the upper confidence limit (UCL) is compared to the compliance standard G. In this case, the UCL should lie below the standard to accept the alternative hypothesis that concentration levels are in compliance.

The UCL α-level under corrective action monitoring is set so that a high degree of confidence is achieved in declaring successful remediation. Per the Unified Guidance (Section 7.4.2) "USEPA's overriding concern in corrective action is that remediation efforts are not declared successful without sufficient statistical proof." The Unified Guidance "recommends the use of a reasonably low, fixed test-wide false positive rate (e.g., α = 0.05 or 0.10)." In this case, α = 0.10 corresponds to a 90% UCL.

GWPS as Background

Pursuant to 567 IAC 113.10(6)h, when background concentrations of an analyte exceed the applicable MCL or 567 IAC Statewide Standard for a Protected Groundwater Source, the GWPS is the background concentration. In this case, the GWPS is not a fixed standard but based on a distribution of background sample results.

Section 7.5 of the Unified Guidance (USEPA, 2009) details statistical hypothesis testing under corrective action when the GWPS is background. The Unified Guidance offers two alternative statistical approaches to hypothesis testing in this case. These alternatives are as follows:

A. The first represents a *two-sample* test of two distinct populations, namely the compliance well to background populations. Similar to the statistical tests used under detection and assessment monitoring, with this alternative under corrective action, the Unified Guidance states that "one highly recommended statistical test approach is a prediction limit." The Unified Guidance also states, "whatever the critical value for a selected background test, it becomes the GWPS under compliance/assessment or corrective action monitoring." Further, "the only allowable hypothesis test structure for the two-sample approach follows that of detection and compliance monitoring. Once exceeded and in corrective action, a return to compliance is through evidence that future samples lie below the GWPS using the same hypothesis structure." Therefore, with this approach in corrective action, prediction limits are calculated similarly as in assessment monitoring. Compliance well concentrations below a prediction limit indicate a return to concentrations below the background GWPS.

B. The second involves computation of a fixed statistic from the background data as the GWPS. The Unified Guidance recommendation in this case is to define a fixed GWPS based on a background upper tolerance limit with 95% confidence and 95% coverage. This is designed to be a "reasonable maximum on the likely range of background concentrations." This upper tolerance limit based on background data is then used as a fixed standard in statistical comparisons with 90% or 95% UCLs from compliance wells as discussed previously. Also, with the UCL method, the null hypothesis is reversed from that of assessment monitoring, assuming contamination is above the GWPS. A UCL falling below the background GWPS offers evidence of a return to concentrations below the GWPS. The Unified Guidance refers to this approach as a *single-sample* testing method, since the compliance well population is tested against a defined fixed standard.

The Unified Guidance discusses tradeoffs between the two approaches and does not necessarily prescribe either approach over the other. The Unified Guidance suggests that both approaches may be used, where "the background GWPS would be a range based on the two testing methods rather than a single value."

Normality

For calculation of confidence intervals, Sanitas® v10.1 software is again used to check distributional assumptions, perform Kaplan-Meier estimation in the case of 50% to 85% detects, and calculate either parametric or nonparametric confidence limits. "Corrective Action Mode" is selected for this analysis.

Non-Corrective Action Constituents

As recommended in the Unified Guidance (USEPA, 2009), confidence intervals in corrective action mode will be utilized to evaluate only constituents and monitoring locations with previously identified SSLs over the GWPS. Other compliance constituents (i.e., those without SSLs over the GWPS during prior statistical evaluations) will continue to be evaluated using the "1. Comparison to Background" and "2. Comparison to Groundwater Protection Standard – Assessment Monitoring" methods described above.

Note: The Unified Guidance (USEPA, 2009) states: “it should be recognized that once corrective action or remediation activities are initiated, there will be a considerable time during which the GWPS may still be exceeded. As provided in the RCRA regulations, it is at the conclusion of remediation activities that formal corrective action monitoring evaluation is appropriate. However, in the intervening period of remedial activity, well constituents can still be monitored, and the relative efficacy of remediation measures tracked. The same corrective action hypothesis can be assumed for the targeted constituents; techniques such as trend testing may be appropriate interim applications.” Given the statement above and the intentions of 567 IAC 113.10(6)g, as soon as an SSL is identified for an assessment monitoring constituent/location, then the next statistical evaluation will utilize corrective action monitoring (confidence intervals in corrective action mode).

Data Concentration Shifts During Corrective Action

Confidence intervals assume that the population is stable over time. As a result, confidence intervals may not accurately represent the current well concentrations if increasing or decreasing trends are observed (i.e., during a release or under active remediation). Per the Unified Guidance (USEPA, 2009), lower or upper confidence limits constructed on accumulated data may be overly wide (due to high sample variability caused by combining pre- and post-shift data) and may not be reflective of more recent upward/downward shifts in the contaminant distribution.

Alternative procedures may be applied to data sets with shifting distributions. For example, where trends tests are significant, pre-shift data may be removed from the well/parameter data set for the purposes of constructing the confidence interval. “The reduction in sample size will often be more than offset by the gain in statistical power. More recent measurements may exhibit less variation around the shifted mean value, resulting in a shorter confidence interval” (USEPA, 2009).

Another alternative is to construct confidence bands around the trend line to track progress towards exceeding or meeting a fixed standard. As suggested in the Unified Guidance (Chapter 22), if a trend is present, a 90% confidence band (upper 95% confidence limit) is placed on the linear trend line. If the upper 95% confidence limit on the trend line falls below the GWPS, the well is found to have reduced to levels statistically below the GWPS.

As the discussed in the Unified Guidance, “inferences concerning a linear regression are generally appropriate when two conditions hold: 1) the residuals from the regression are approximately normal or at least reasonably symmetric in distribution; and 2) a plot of residuals versus concentrations indicates a scatter cloud of essentially uniform vertical thickness or width.” These conditions are assessed through normal probability plots of the regression residuals and plots of residuals against the predicted concentrations.

Data Adjustments Due to Exiting Corrective Action

When analyte/well pairs exit corrective action and return to assessment constituents, the hypothesis testing structure is reversed again. In corrective action mode, compliance point concentrations were presumed to exceed the GWPS, and evidence must be presented to demonstrated regulatory compliance (i.e., UCLs below the GWPS for three consecutive years). With the return to assessment constituents, analyte/well pairs have demonstrated regulatory compliance. The hypothesis testing structure reverts to the assessment monitoring structure where compliance point concentrations are presumed to not exceed the GWPS unless sampling

data indicates otherwise (i.e., LCL is above the GWPS). With this reversion in hypothesis, the focus shifts to evaluating concentration changes in the analyte/well pair that would indicate an increase over the GWPS and re-trigger corrective action. For constituents with historical SSLs, earlier concentrations that had previously triggered corrective action are no longer providing useful information regarding the current assessment monitoring hypothesis. Retaining the historical data during the timeframe in which the GWPS was exceeded will result in the regression or confidence interval methods being slower to respond to new increases. As a result, the historical data prior to when statistical compliance with the GWPS was first achieved will be removed when analyte/well pairs exit corrective action and return to assessment constituents.

Attachment 2
Sanitas Report Output for Prediction Limit Calculations

Upper Bedrock

Interwell Prediction Limit [1]

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Delineation Monitoring Locations - Assessment Constituents													
Antimony (mg/L)	MW-105A	0.00739	8/20/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-106A	0.00739	8/18/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-107A	0.00739	8/18/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-109A	0.00739	8/20/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-105A	0.00205	8/20/2025	0.001ND	No	57	n/a	n/a	79	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-107A	0.00205	8/18/2025	0.001ND	No	57	n/a	n/a	79	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-109A	0.00205	8/20/2025	0.001ND	No	57	n/a	n/a	79	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Barium (mg/L)	MW-105A	0.1415	8/20/2025	0.0453	No	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	MW-106A	0.1415	8/18/2025	0.311	Yes	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	MW-107A	0.1415	8/18/2025	0.164	Yes	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	MW-109A	0.1415	8/20/2025	0.199	Yes	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Cobalt (mg/L)	MW-107A	0.008	8/18/2025	0.000202J	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-109A	0.008	8/20/2025	0.00025ND	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Copper (mg/L)	MW-105A	0.0225	8/20/2025	0.00546	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-106A	0.0225	8/18/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-107A	0.0225	8/18/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-109A	0.0225	8/20/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-105A	0.00695	8/20/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-106A	0.00695	8/18/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-107A	0.00695	8/18/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-109A	0.00695	8/20/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-105A	0.0522	8/20/2025	0.00831	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-106A	0.0522	8/18/2025	0.0434	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-107A	0.0522	8/18/2025	0.00393J	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-109A	0.0522	8/20/2025	0.0025ND	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-105A	0.152	8/20/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-109A	0.152	8/20/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-105A	0.0805	8/20/2025	0.01ND	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-106A	0.0805	8/18/2025	0.01ND	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-107A	0.0805	8/18/2025	0.01ND	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-109A	0.0805	8/20/2025	0.01ND	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Assessment Monitoring Locations													
Antimony (mg/L)	AW-3	0.00739	8/13/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	AW-4	0.00739	8/19/2025	0.00191J	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	AW-5	0.00739	8/20/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-21	0.00739	8/14/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-23	0.00739	8/14/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-26	0.00739	8/18/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-28	0.00739	8/18/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-35	0.00739	8/19/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	VP-3	0.00739	8/13/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	VP-4	0.00739	8/13/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	AW-3	0.00205	8/13/2025	0.0196	Yes	57	n/a	n/a	79	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	AW-4	0.00205	8/19/2025	0.00415	Yes	57	n/a	n/a	79	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	AW-5	0.00205	8/20/2025	0.00244	Yes	57	n/a	n/a	79	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-21	0.00205	8/14/2025	0.00126J	No	57	n/a	n/a	79	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-23	0.00205	8/14/2025	0.00089J	No	57	n/a	n/a	79	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2

Upper Bedrock

Interwell Prediction Limit [1]

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Assessment Monitoring Locations Continued													
Arsenic (mg/L)	MW-26	0.00205	8/18/2025	0.00106J	No	57	n/a	n/a	79	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-28	0.00205	8/18/2025	0.001ND	No	57	n/a	n/a	79	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-35	0.00205	8/19/2025	0.00431	Yes	57	n/a	n/a	79	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	VP-3	0.00205	8/13/2025	0.0397	Yes	57	n/a	n/a	79	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	VP-4	0.00205	8/13/2025	0.00306	Yes	57	n/a	n/a	79	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Barium (mg/L)	AW-3	0.1415	8/13/2025	0.0783	No	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	AW-4	0.1415	8/19/2025	0.0867	No	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	AW-5	0.1415	8/20/2025	0.146	Yes	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	MW-21	0.1415	8/14/2025	0.128	No	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	MW-23	0.1415	8/14/2025	0.113	No	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	MW-26	0.1415	8/18/2025	0.167	Yes	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	MW-28	0.1415	8/18/2025	0.178	Yes	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	MW-35	0.1415	8/19/2025	0.156	Yes	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	VP-3	0.1415	8/13/2025	0.475	Yes	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	VP-4	0.1415	8/13/2025	0.0655	No	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Cobalt (mg/L)	AW-3	0.008	8/13/2025	0.00025ND	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	AW-4	0.008	8/19/2025	0.0164	Yes	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	AW-5	0.008	8/20/2025	0.00205	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-21	0.008	8/14/2025	0.00111	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-23	0.008	8/14/2025	0.00166	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-26	0.008	8/18/2025	0.00025ND	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-28	0.008	8/18/2025	0.00025ND	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-35	0.008	8/19/2025	0.0048	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	VP-3	0.008	8/13/2025	0.000567	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	VP-4	0.008	8/13/2025	0.00025ND	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Copper (mg/L)	AW-3	0.0225	8/13/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	AW-4	0.0225	8/19/2025	0.14	Yes	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	AW-5	0.0225	8/20/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-21	0.0225	8/14/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-23	0.0225	8/14/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-26	0.0225	8/18/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-28	0.0225	8/18/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-35	0.0225	8/19/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	VP-3	0.0225	8/13/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	VP-4	0.0225	8/13/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Lead (mg/L)	AW-3	0.00695	8/13/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	AW-4	0.00695	8/19/2025	0.00144	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	AW-5	0.00695	8/20/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-21	0.00695	8/14/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-23	0.00695	8/14/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-26	0.00695	8/18/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-28	0.00695	8/18/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-35	0.00695	8/19/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	VP-3	0.00695	8/13/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	VP-4	0.00695	8/13/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Nickel (mg/L)	AW-3	0.0522	8/13/2025	0.0025ND	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	AW-4	0.0522	8/19/2025	0.126	Yes	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2

Upper Bedrock

Interwell Prediction Limit [1]

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Assessment Monitoring Locations Continued													
Nickel (mg/L)	AW-5	0.0522	8/20/2025	0.0089	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-21	0.0522	8/14/2025	0.0218	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-23	0.0522	8/14/2025	0.0199	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-26	0.0522	8/18/2025	0.0025ND	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-28	0.0522	8/18/2025	0.0025ND	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-35	0.0522	8/19/2025	0.0243	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	VP-3	0.0522	8/13/2025	0.0121	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	VP-4	0.0522	8/13/2025	0.0025ND	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Tin (mg/L)	AW-3	0.152	8/13/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	AW-4	0.152	8/19/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	AW-5	0.152	8/20/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-21	0.152	8/14/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-23	0.152	8/14/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-26	0.152	8/18/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-28	0.152	8/18/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-35	0.152	8/19/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	VP-3	0.152	8/13/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	VP-4	0.152	8/13/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	AW-3	0.0805	8/13/2025	0.01ND	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	AW-4	0.0805	8/19/2025	0.01ND	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	AW-5	0.0805	8/20/2025	0.01ND	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-21	0.0805	8/14/2025	0.0541	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-23	0.0805	8/14/2025	0.0698	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-26	0.0805	8/18/2025	0.01ND	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-28	0.0805	8/18/2025	0.01ND	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-35	0.0805	8/19/2025	0.0256	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	VP-3	0.0805	8/13/2025	0.01ND	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	VP-4	0.0805	8/13/2025	0.01ND	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Corrective Action Monitoring Locations - Assessment Constituents													
Antimony (mg/L)	AW-1	0.00739	8/14/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	AW-2	0.00739	8/13/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-12	0.00739	8/20/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-13	0.00739	8/14/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-16	0.00739	8/15/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-17	0.00739	8/19/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-20	0.00739	8/19/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-24	0.00739	8/18/2025	0.00118J	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-30	0.00739	8/18/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-32	0.00739	8/20/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-34	0.00739	8/20/2025	0.001ND	No	56	n/a	n/a	84	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-20	0.00205	8/19/2025	0.0123	Yes	57	n/a	n/a	79	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Barium (mg/L)	AW-1	0.1415	8/14/2025	0.114	No	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	AW-2	0.1415	8/13/2025	0.461	Yes	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	MW-12	0.1415	8/20/2025	0.514	Yes	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	MW-13	0.1415	8/14/2025	0.669	Yes	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	MW-16	0.1415	8/15/2025	0.108	No	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	MW-17	0.1415	8/19/2025	0.0668	No	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2

Upper Bedrock

Interwell Prediction Limit [1]

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Corrective Action Monitoring Locations - Assessment Constituents Continued													
Barium (mg/L)	MW-20	0.1415	8/19/2025	0.117	No	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	MW-24	0.1415	8/18/2025	0.809	Yes	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	MW-30	0.1415	8/18/2025	0.157	Yes	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	MW-32	0.1415	8/20/2025	1.46	Yes	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Barium (mg/L)	MW-34	0.1415	8/20/2025	0.302	Yes	53	-3.015	0.4585	0	None	ln(x)	0.0002508	Param Inter 1 of 2
Cobalt (mg/L)	AW-1	0.008	8/14/2025	0.00158	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	AW-2	0.008	8/13/2025	0.00183	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-12	0.008	8/20/2025	0.00368	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-13	0.008	8/14/2025	0.00116	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-16	0.008	8/15/2025	0.000563	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-17	0.008	8/19/2025	0.00795	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-20	0.008	8/19/2025	0.000835	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-24	0.008	8/18/2025	0.00131	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-30	0.008	8/18/2025	0.00166	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-32	0.008	8/20/2025	0.00341	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-34	0.008	8/20/2025	0.00695	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Copper (mg/L)	AW-1	0.0225	8/14/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	AW-2	0.0225	8/13/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-12	0.0225	8/20/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-13	0.0225	8/14/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-16	0.0225	8/15/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-17	0.0225	8/19/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-20	0.0225	8/19/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-24	0.0225	8/18/2025	0.0109	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-30	0.0225	8/18/2025	0.0144	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-32	0.0225	8/20/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-34	0.0225	8/20/2025	0.0025ND	No	56	n/a	n/a	95	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Lead (mg/L)	AW-1	0.00695	8/14/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	AW-2	0.00695	8/13/2025	0.000806	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-12	0.00695	8/20/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-13	0.00695	8/14/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-16	0.00695	8/15/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-17	0.00695	8/19/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-20	0.00695	8/19/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-24	0.00695	8/18/2025	0.000805	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-30	0.00695	8/18/2025	0.00025ND	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-32	0.00695	8/20/2025	0.000541	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-34	0.00695	8/20/2025	0.000526	No	55	n/a	n/a	80	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Nickel (mg/L)	AW-1	0.0522	8/14/2025	0.0275	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	AW-2	0.0522	8/13/2025	0.0154	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-12	0.0522	8/20/2025	0.08	Yes	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-13	0.0522	8/14/2025	0.0118	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-16	0.0522	8/15/2025	0.0238	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-17	0.0522	8/19/2025	0.0143	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-20	0.0522	8/19/2025	0.0133	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-24	0.0522	8/18/2025	0.0536	Yes	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-30	0.0522	8/18/2025	0.029	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2

Upper Bedrock

Interwell Prediction Limit [1]

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Corrective Action Monitoring Locations - Assessment Constituents Continued													
Nickel (mg/L)	MW-32	0.0522	8/20/2025	0.0517	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-34	0.0522	8/20/2025	0.0462	No	56	n/a	n/a	57	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Tin (mg/L)	AW-1	0.152	8/14/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	AW-2	0.152	8/13/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-12	0.152	8/20/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-13	0.152	8/14/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-16	0.152	8/15/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-17	0.152	8/19/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-20	0.152	8/19/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-24	0.152	8/18/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-30	0.152	8/18/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-32	0.152	8/20/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-34	0.152	8/20/2025	0.0025ND	No	58	n/a	n/a	97	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	AW-1	0.0805	8/14/2025	0.0156J	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	AW-2	0.0805	8/13/2025	0.01ND	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-12	0.0805	8/20/2025	0.01ND	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-13	0.0805	8/14/2025	0.01ND	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-16	0.0805	8/15/2025	0.0425	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-17	0.0805	8/19/2025	0.01ND	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-20	0.0805	8/19/2025	0.0224	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-24	0.0805	8/18/2025	0.0146J	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-30	0.0805	8/18/2025	0.0804	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-32	0.0805	8/20/2025	0.07	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-34	0.0805	8/20/2025	0.01ND	No	58	n/a	n/a	88	n/a	n/a	0.0005446	NP Inter (NDs) 1 of 2

[1] Interwell prediction limit data consists of the detected Appendix I and II parameters in the combined MW-37 and MW-101A data set. Note that background data set adjustments were incorporated in accordance with Section 3.1 of the Fall 2025 Statistical Evaluation memo.

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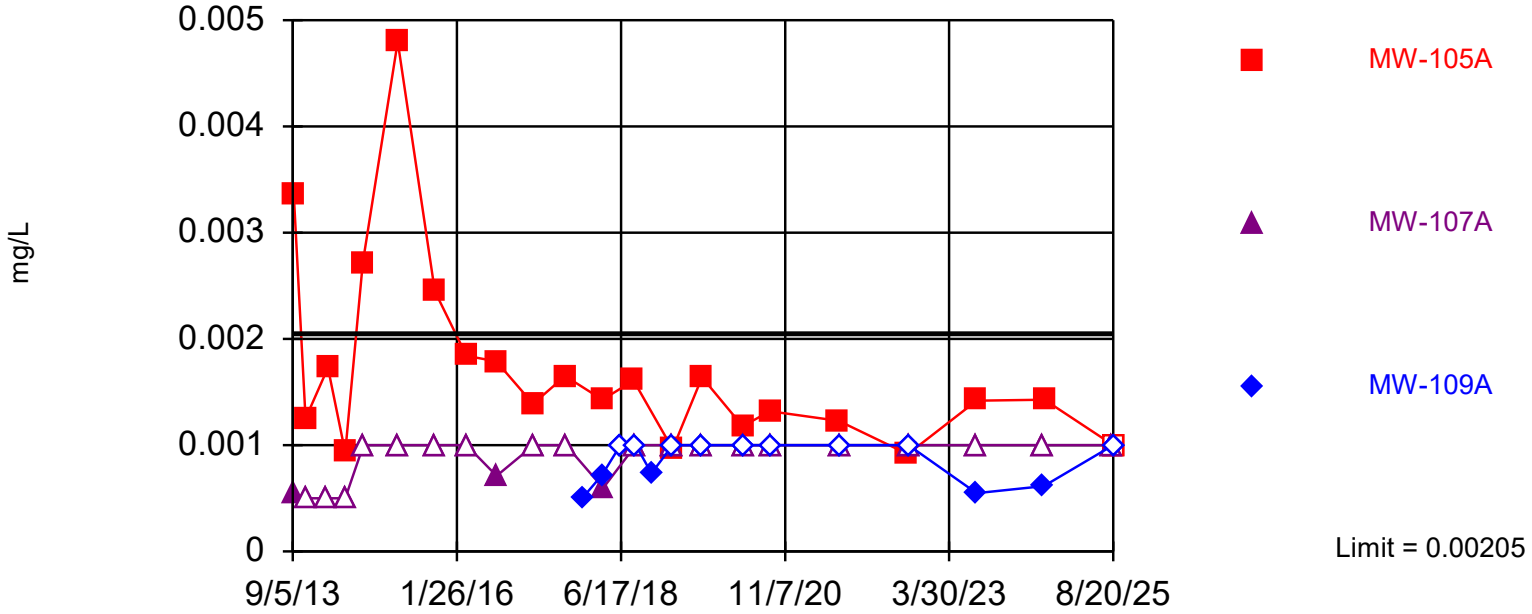
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Delineation Monitoring
Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 57 background values. 78.95% NDs. Annual per-constituent alpha = 0.02345. Individual comparison alpha = 0.0005648 (1 of 2).

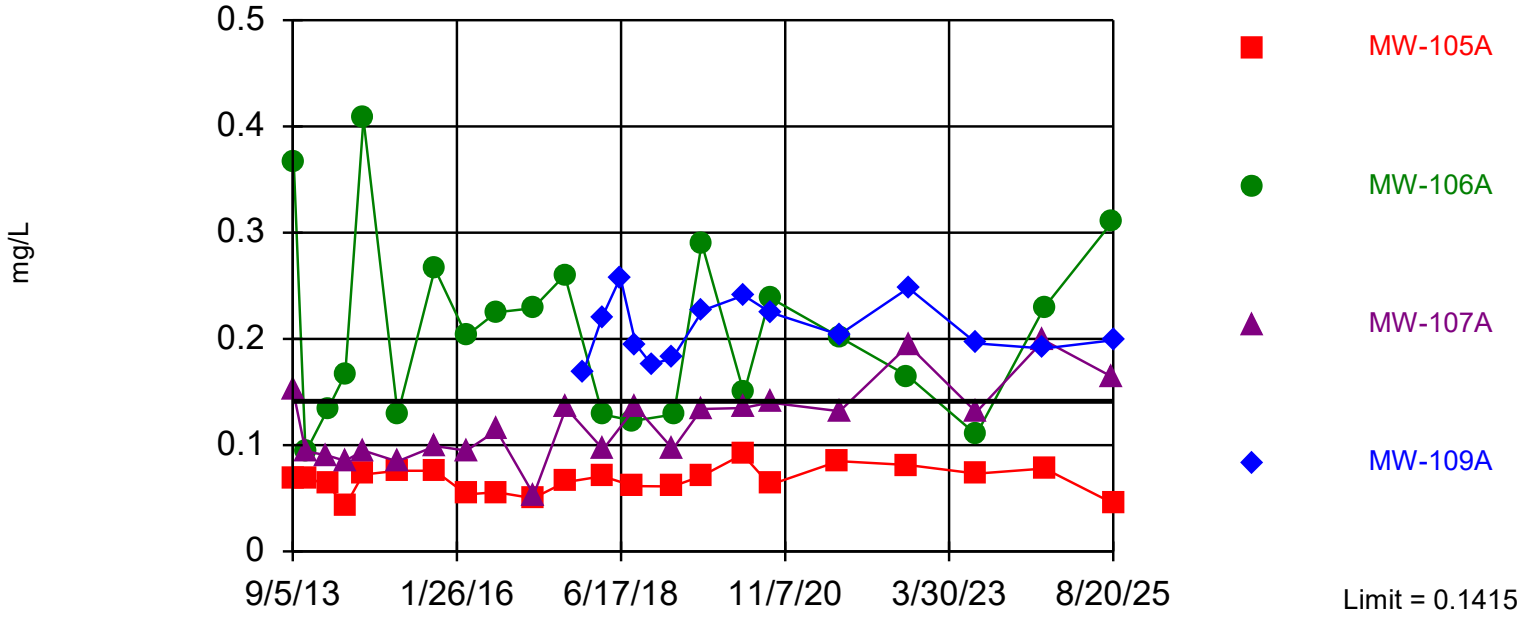
Constituent: Arsenic Analysis Run 10/20/2025 2:57 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Exceeds Limit: MW-106A, MW-107A, MW-109A

Prediction Limit - Delineation Monitoring - Assessment Constituents

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-3.015, Std. Dev.=0.4585, n=53. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9417, critical = 0.938. Kappa = 2.311 (c=10, w=42, 1 of 2, event alpha = 0.1). Report alpha = 0.01048. Individual comparison alpha = 0.0002508.

Constituent: Barium Analysis Run 10/20/2025 2:57 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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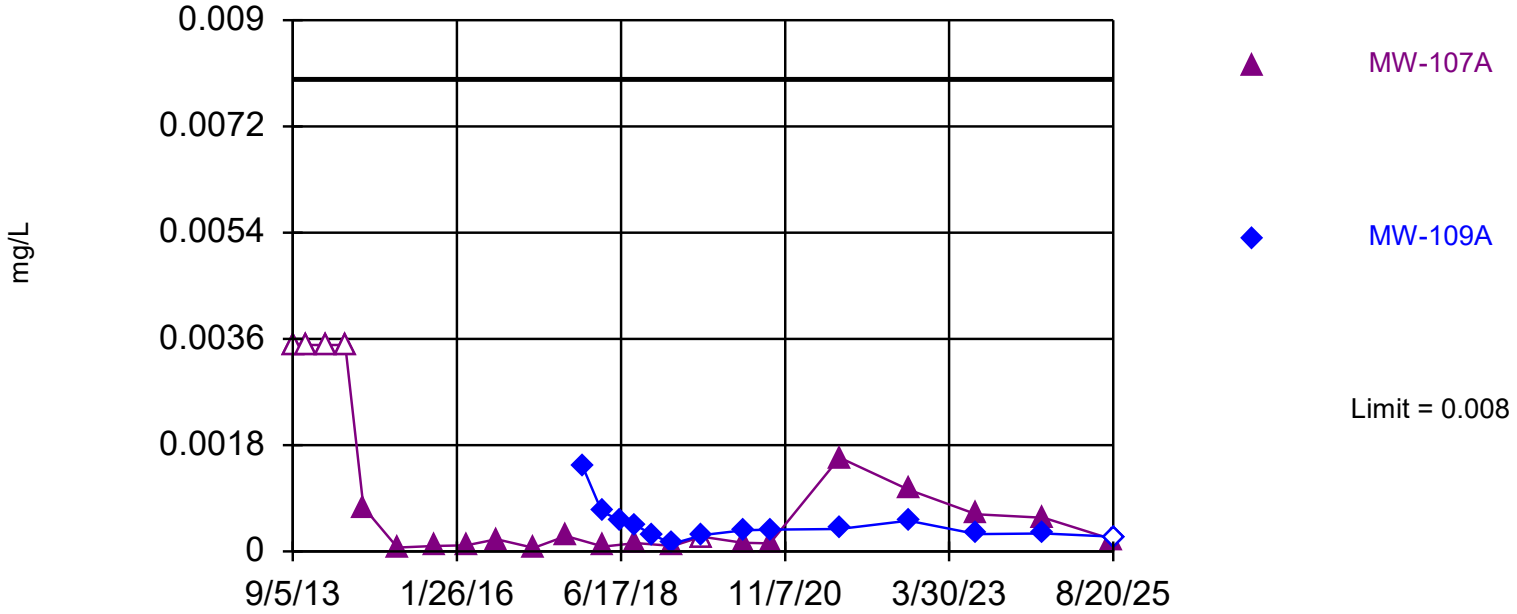
Within Limit

Prediction Limit - Delineation Monitoring
Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 44 background values. 29.55% NDs. Annual per-constituent alpha = 0.03775. Individual comparison alpha = 0.0009157 (1 of 2).

Constituent: Cobalt Analysis Run 10/20/2025 2:57 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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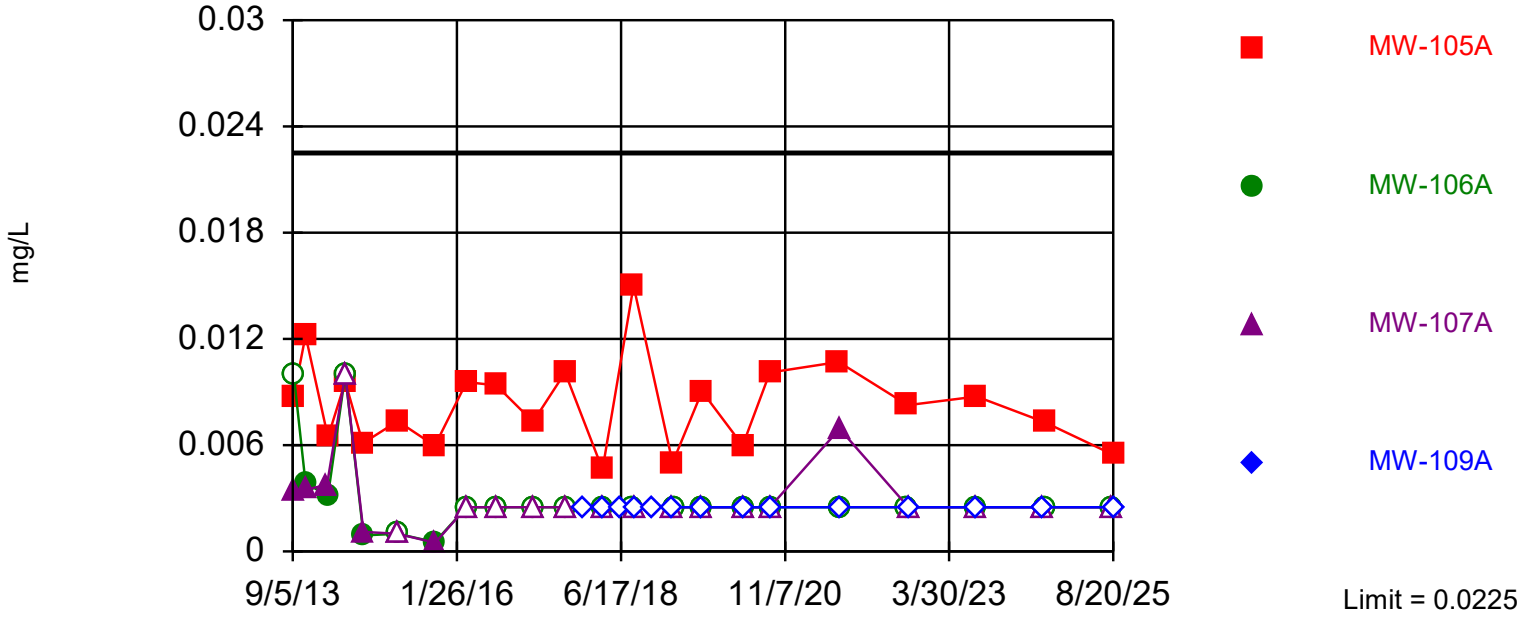
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Delineation Monitoring
Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 94.64% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.000585 (1 of 2).

Constituent: Copper Analysis Run 10/20/2025 2:57 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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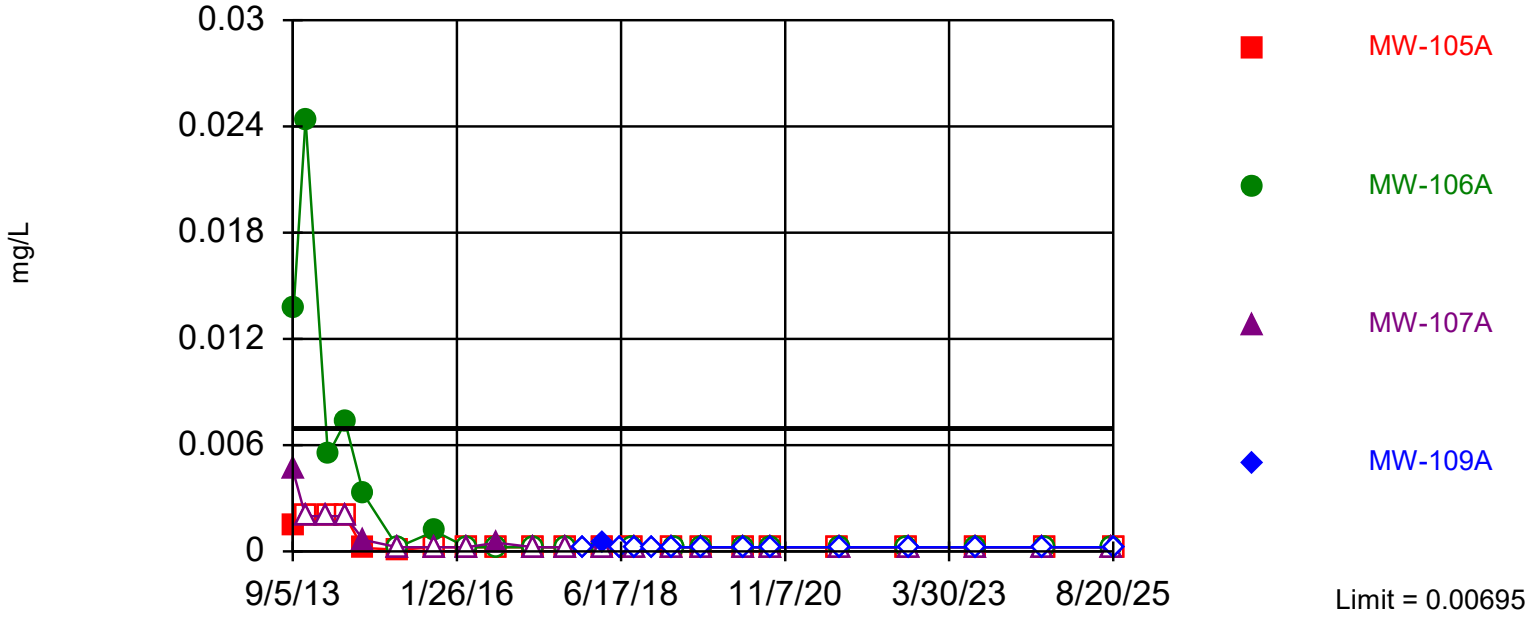
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Delineation Monitoring
Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 55 background values. 80% NDs. Annual per-constituent alpha = 0.02511. Individual comparison alpha = 0.0006052 (1 of 2).

Constituent: Lead Analysis Run 10/20/2025 2:57 PM

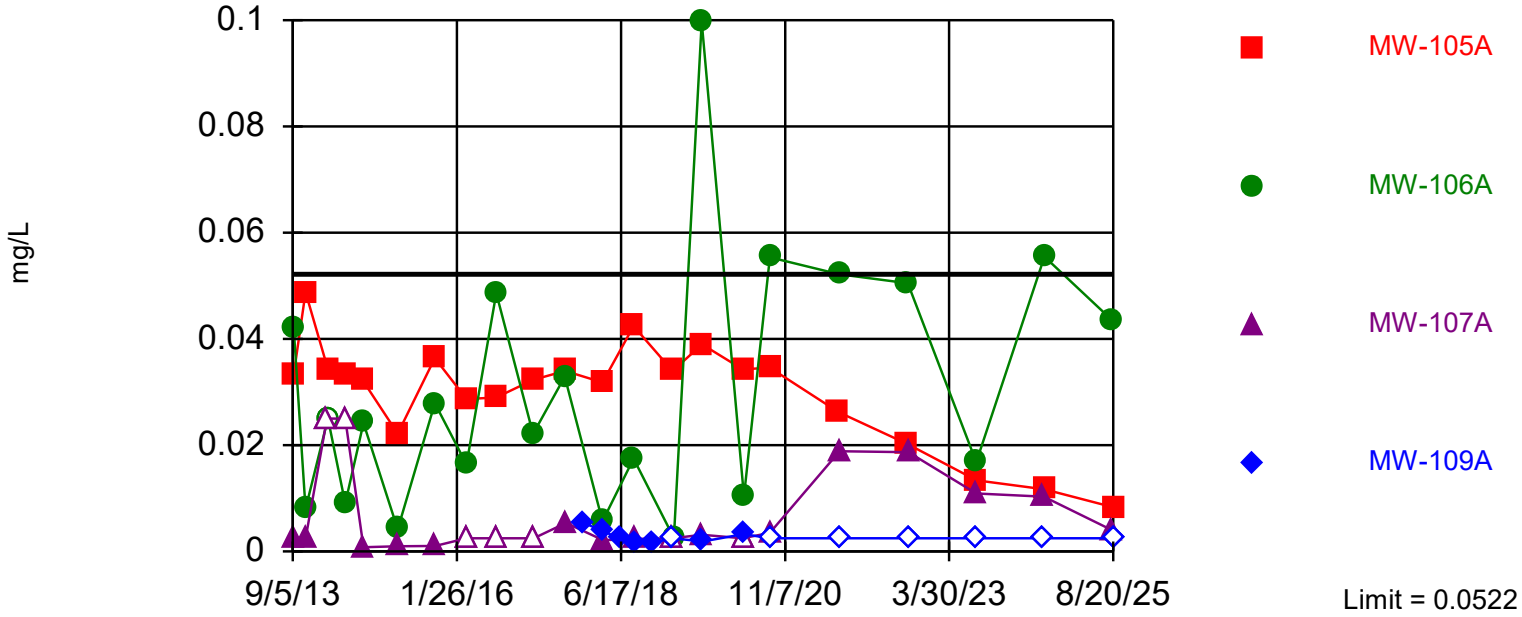
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Delineation Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 57.14% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.000585 (1 of 2).

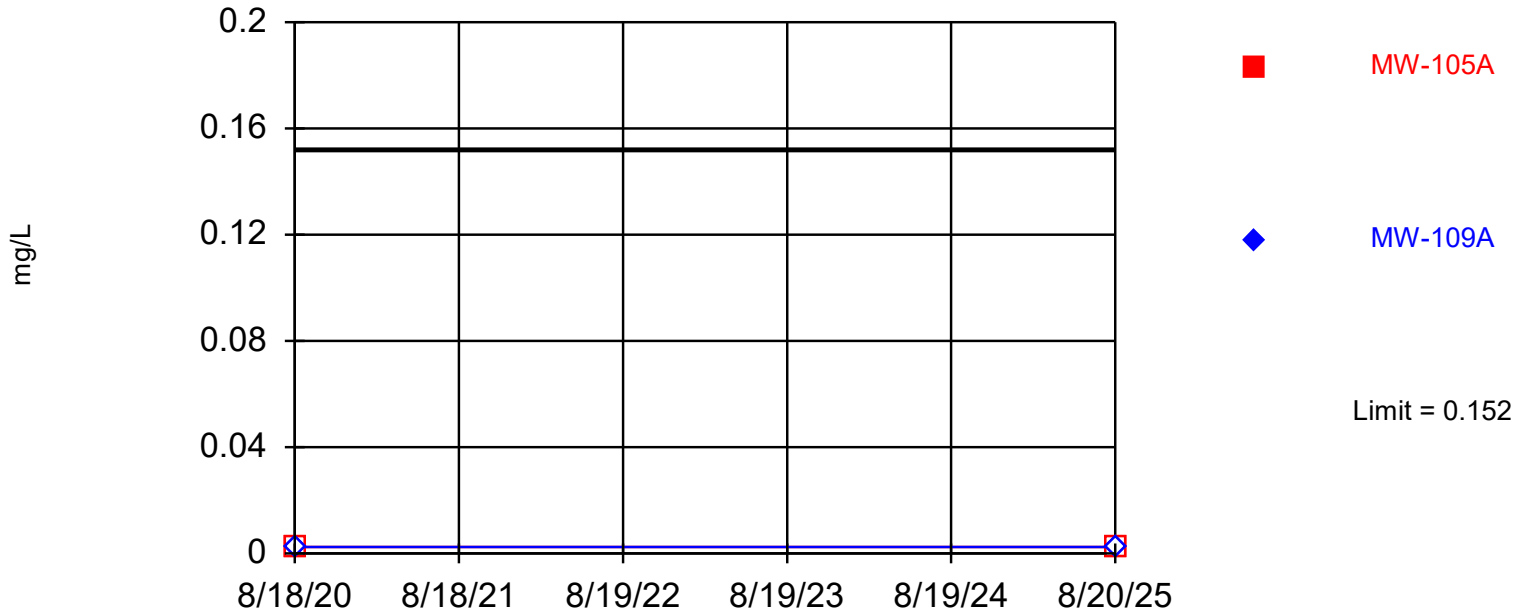
Constituent: Nickel Analysis Run 10/20/2025 2:58 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Delineation Monitoring
Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 58 background values. 96.55% NDs. Annual per-constituent alpha = 0.02262. Individual comparison alpha = 0.0005446 (1 of 2).

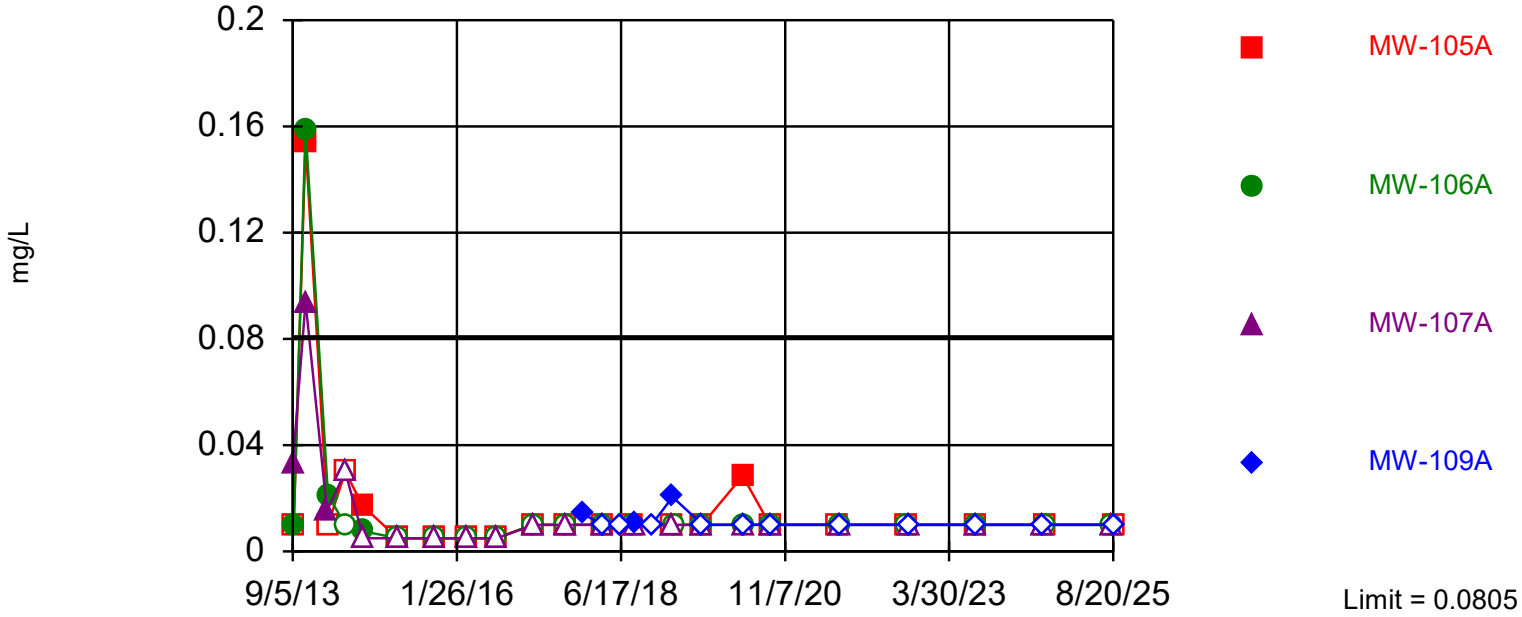
Constituent: Tin Analysis Run 10/20/2025 2:58 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Delineation Monitoring
Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 58 background values. 87.93% NDs. Annual per-constituent alpha = 0.02262. Individual comparison alpha = 0.0005446 (1 of 2).

Constituent: Zinc Analysis Run 10/20/2025 2:58 PM

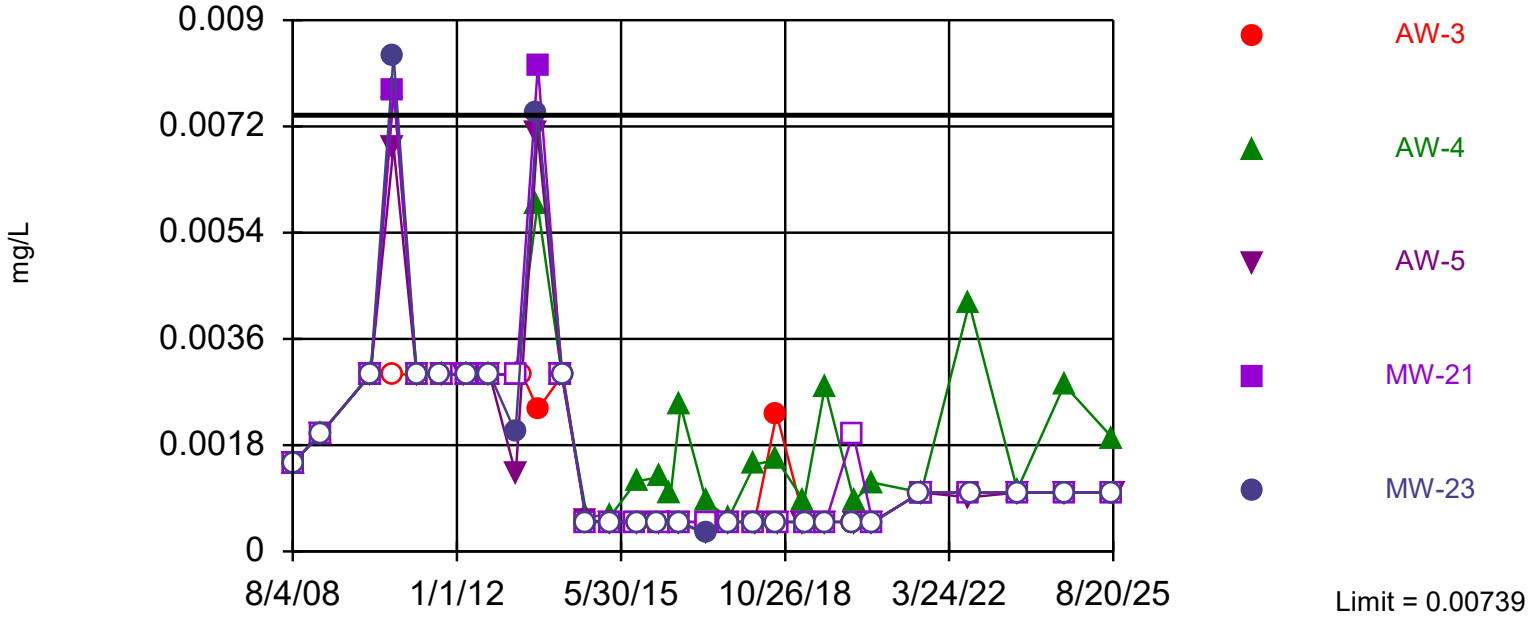
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 83.93% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.000585 (1 of 2).

Constituent: Antimony Analysis Run 10/20/2025 3:12 PM

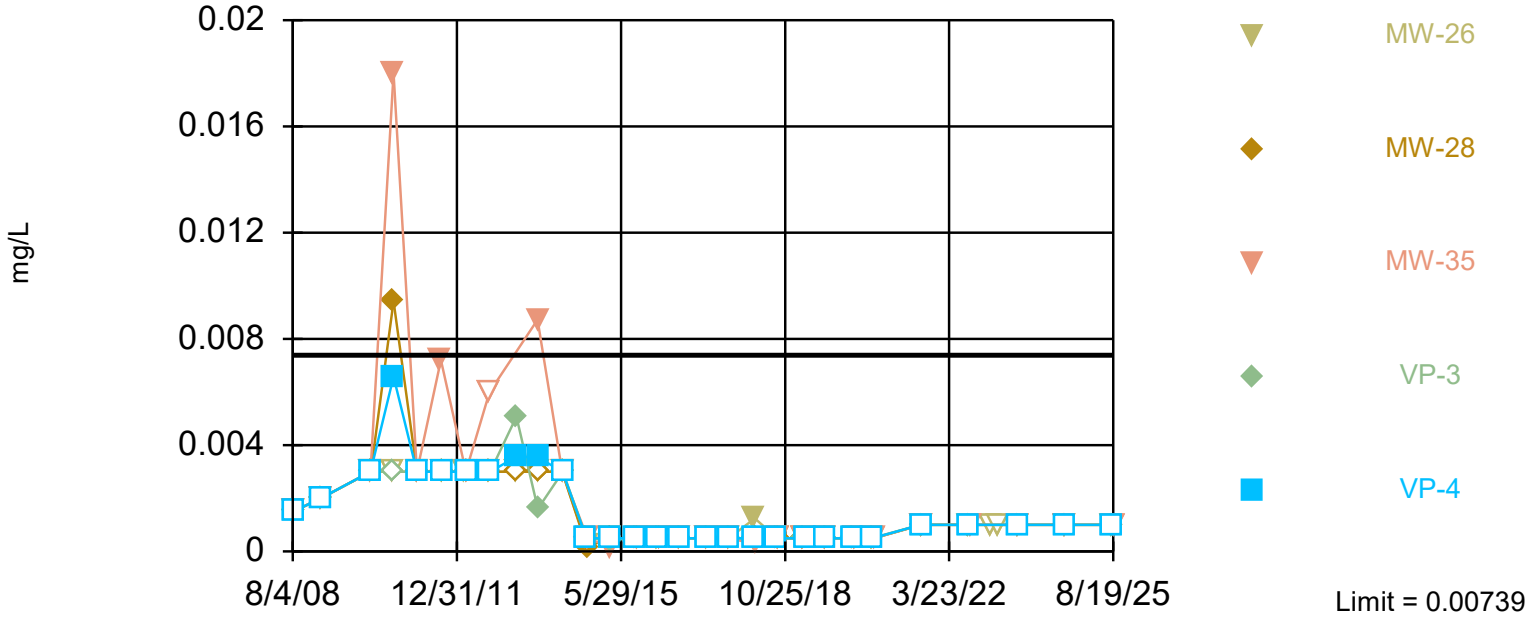
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 83.93% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.000585 (1 of 2).

Constituent: Antimony Analysis Run 10/20/2025 3:15 PM

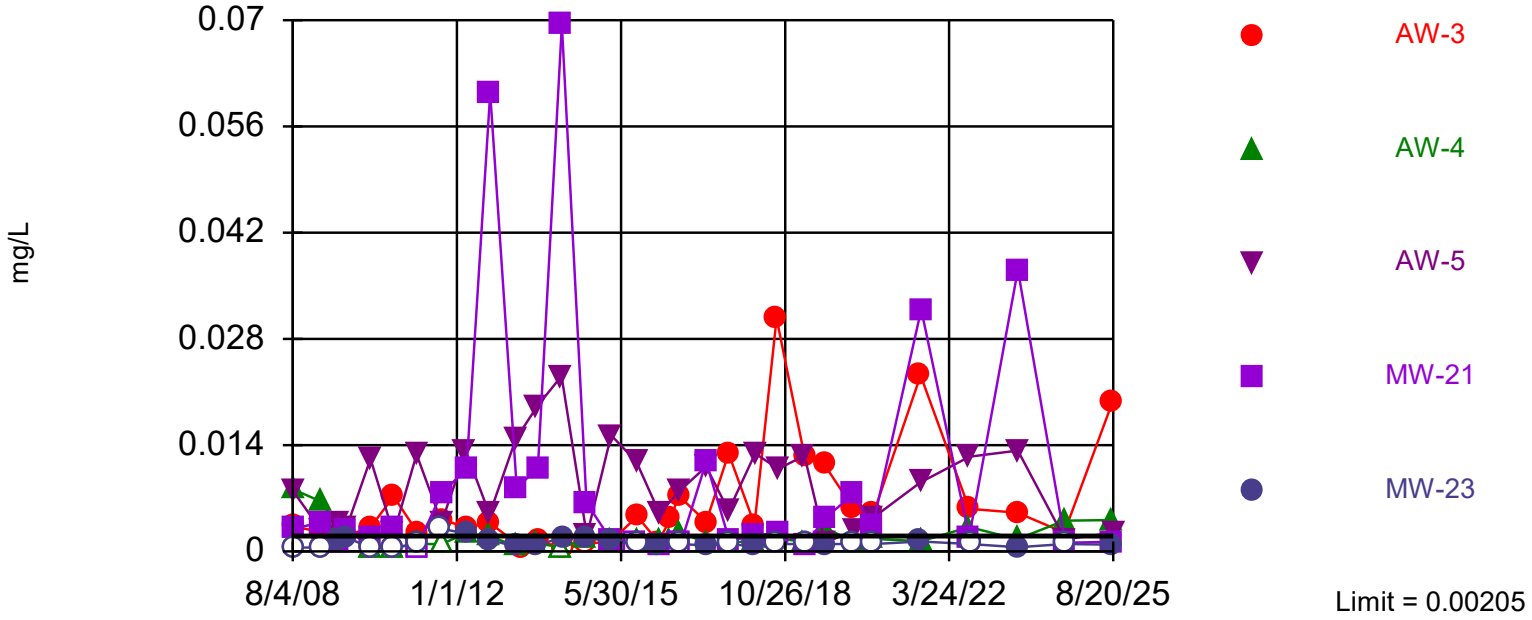
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Exceeds Limit: AW-3, AW-4, AW-5

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 57 background values. 78.95% NDs. Annual per-constituent alpha = 0.02345. Individual comparison alpha = 0.0005648 (1 of 2).

Constituent: Arsenic Analysis Run 10/20/2025 3:12 PM

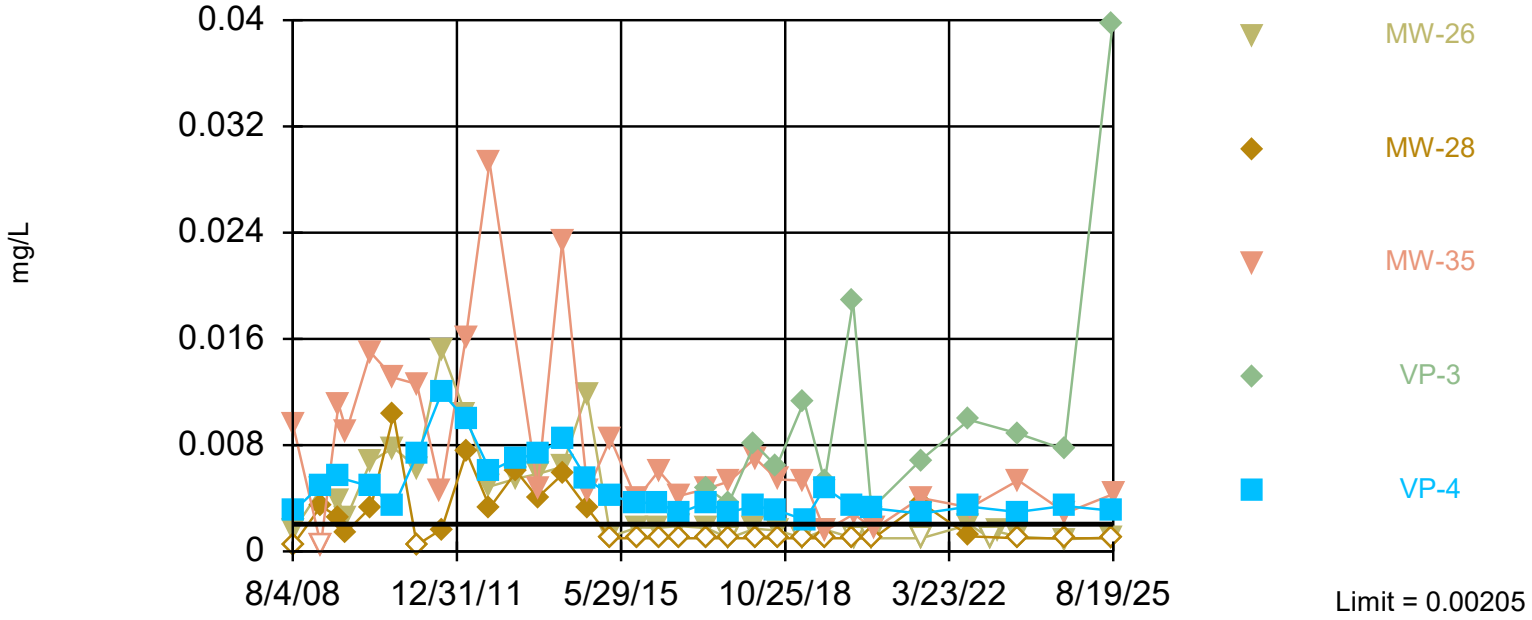
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-35, VP-3, VP-4

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 57 background values. 78.95% NDs. Annual per-constituent alpha = 0.02345. Individual comparison alpha = 0.0005648 (1 of 2).

Constituent: Arsenic Analysis Run 10/20/2025 3:15 PM

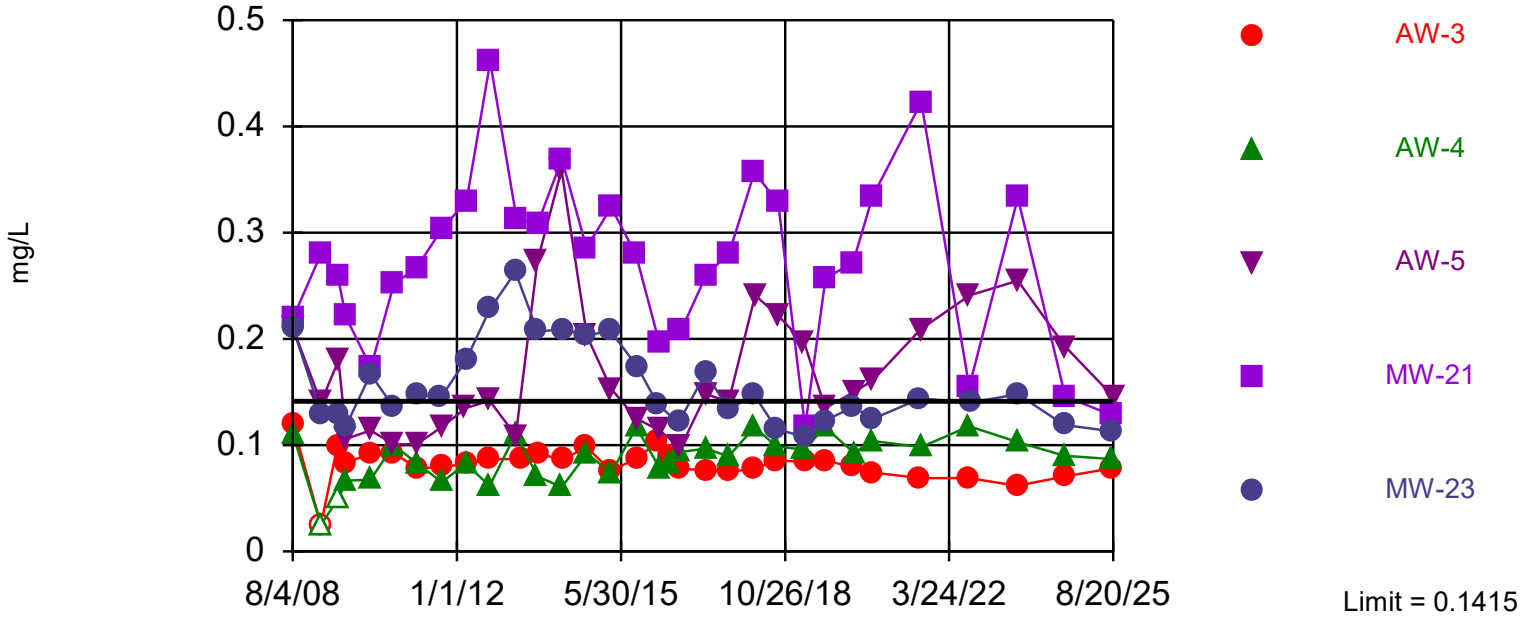
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Exceeds Limit: AW-5

Prediction Limit - Assessment Monitoring

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-3.015, Std. Dev.=0.4585, n=53. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9417, critical = 0.938. Kappa = 2.311 (c=10, w=42, 1 of 2, event alpha = 0.1). Report alpha = 0.01048. Individual comparison alpha = 0.0002508.

Constituent: Barium Analysis Run 10/20/2025 3:12 PM

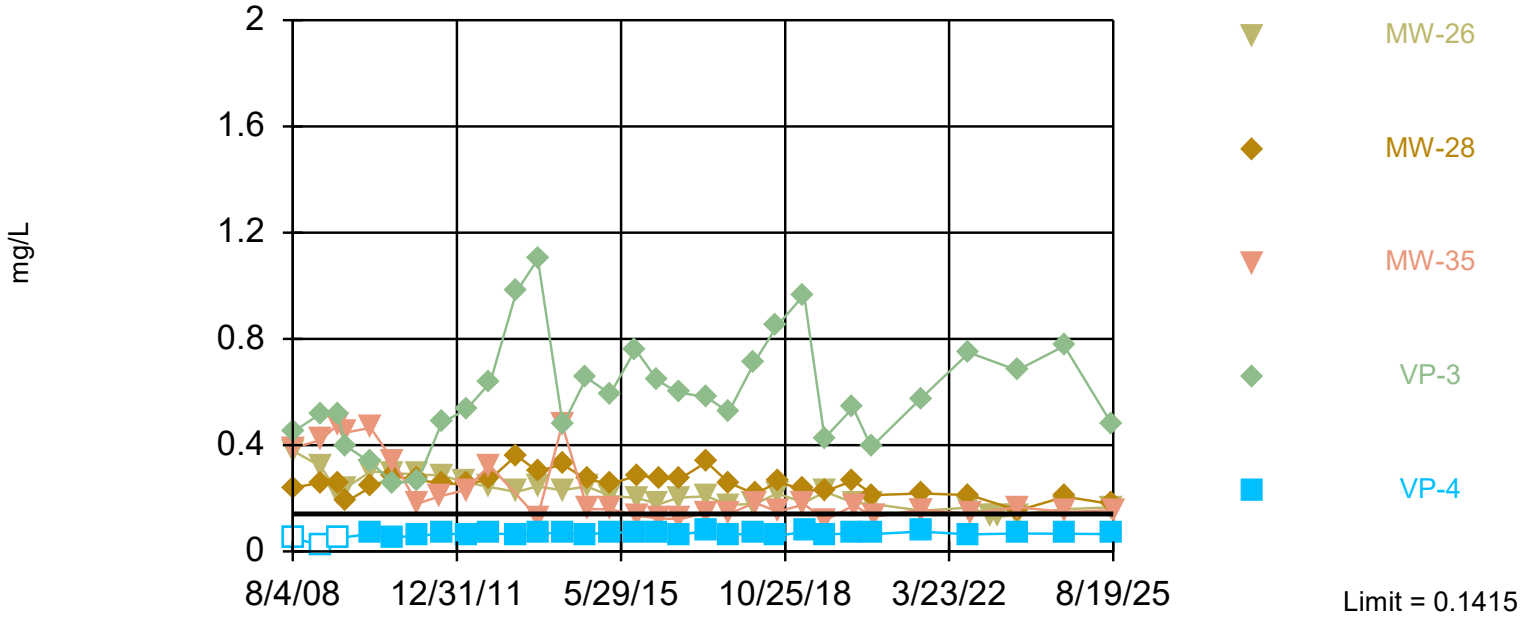
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-26, MW-28, MW-35, VP -3

Prediction Limit - Assessment Monitoring

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-3.015, Std. Dev.=0.4585, n=53. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9417, critical = 0.938. Kappa = 2.311 (c=10, w=42, 1 of 2, event alpha = 0.1). Report alpha = 0.01048. Individual comparison alpha = 0.0002508.

Constituent: Barium Analysis Run 10/20/2025 3:15 PM

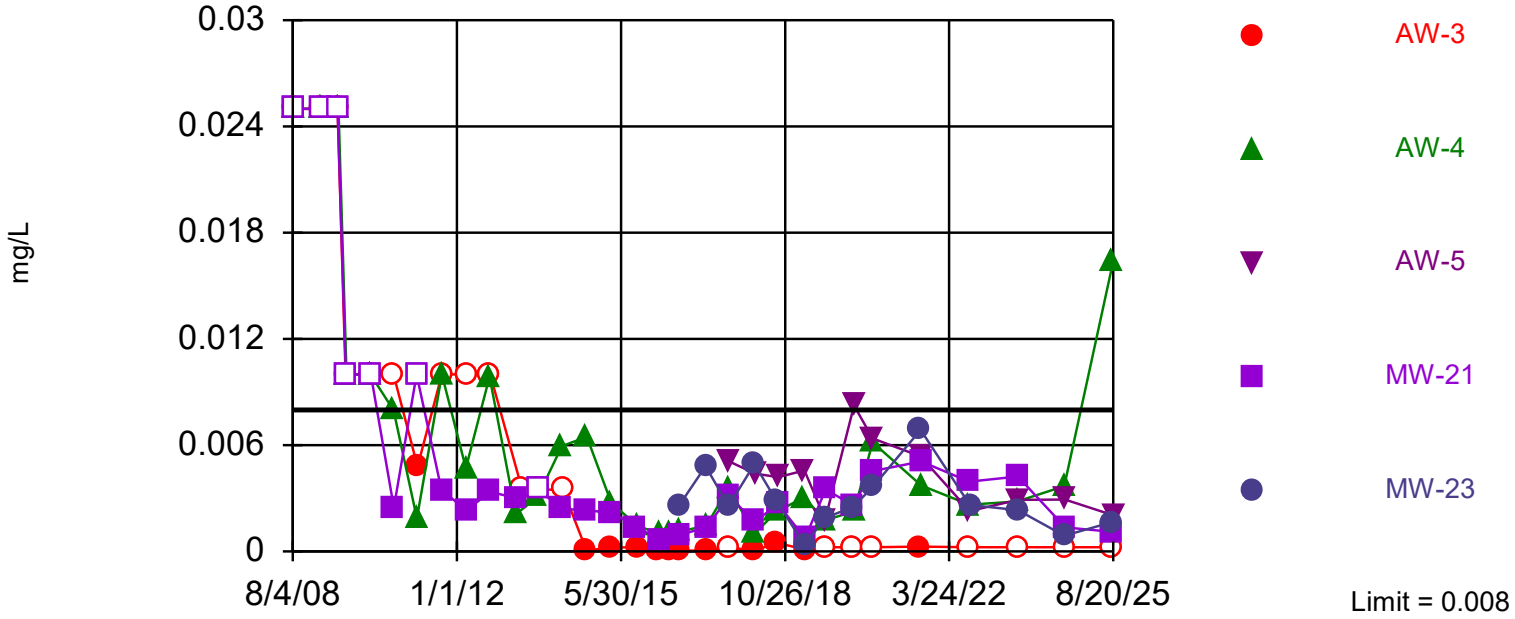
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Exceeds Limit: AW-4

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 44 background values. 29.55% NDs. Annual per-constituent alpha = 0.03775. Individual comparison alpha = 0.0009157 (1 of 2).

Constituent: Cobalt Analysis Run 10/20/2025 3:12 PM

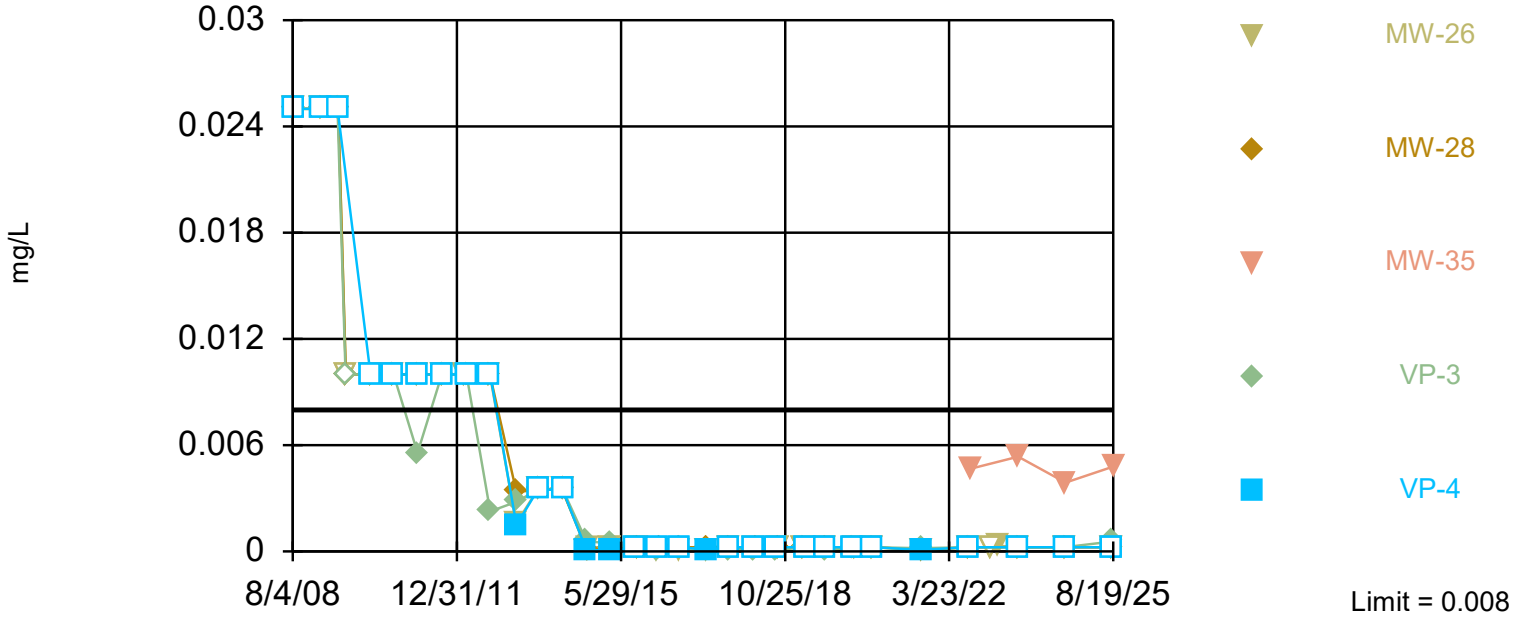
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 44 background values. 29.55% NDs. Annual per-constituent alpha = 0.03775. Individual comparison alpha = 0.0009157 (1 of 2).

Constituent: Cobalt Analysis Run 10/20/2025 3:15 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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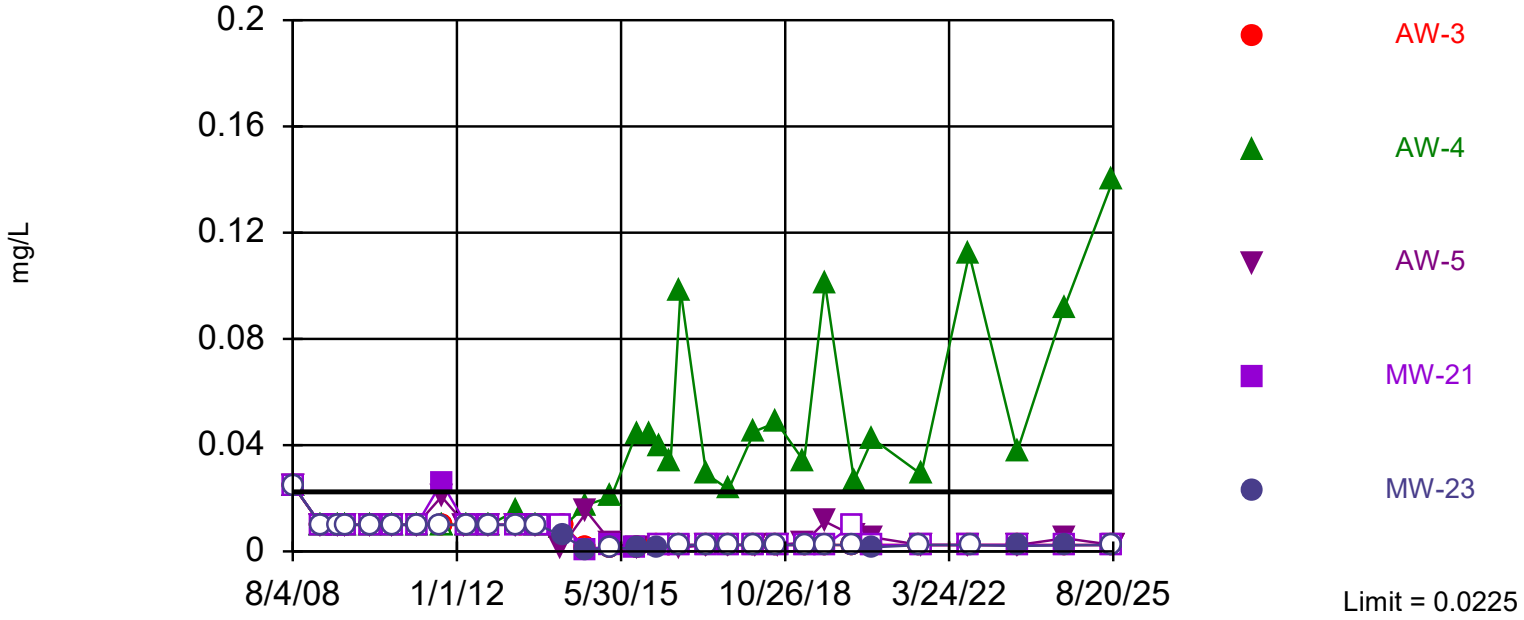
Hollow symbols indicate censored values.

Exceeds Limit: AW-4

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 94.64% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.000585 (1 of 2).

Constituent: Copper Analysis Run 10/20/2025 3:12 PM

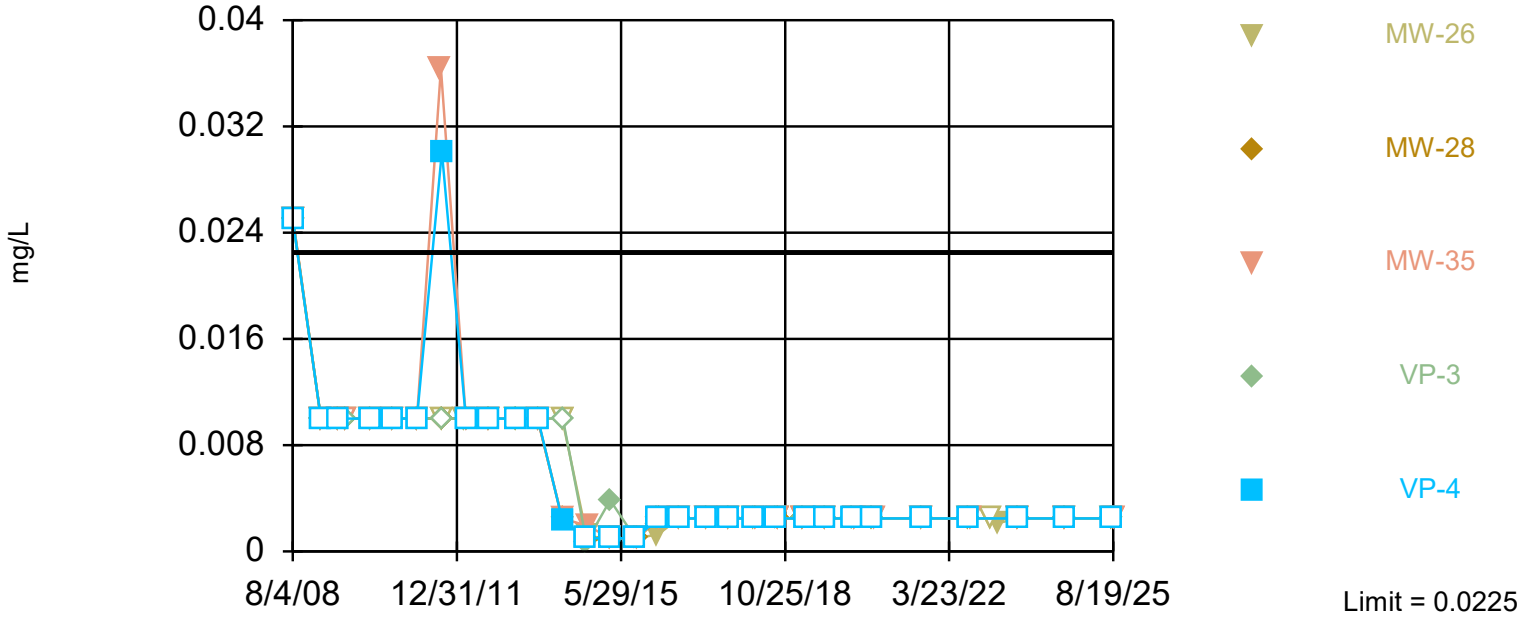
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 94.64% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.000585 (1 of 2).

Constituent: Copper Analysis Run 10/20/2025 3:15 PM

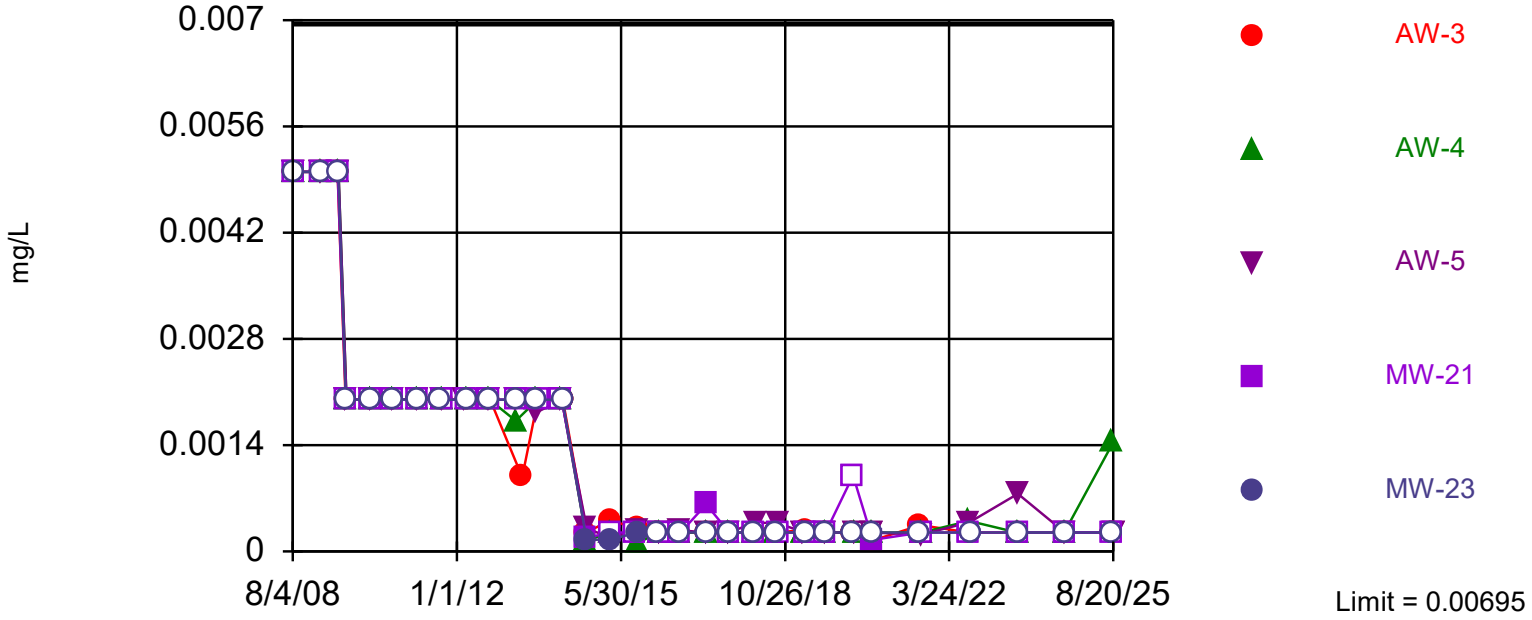
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 55 background values. 80% NDs. Annual per-constituent alpha = 0.02511. Individual comparison alpha = 0.0006052 (1 of 2).

Constituent: Lead Analysis Run 10/20/2025 3:12 PM

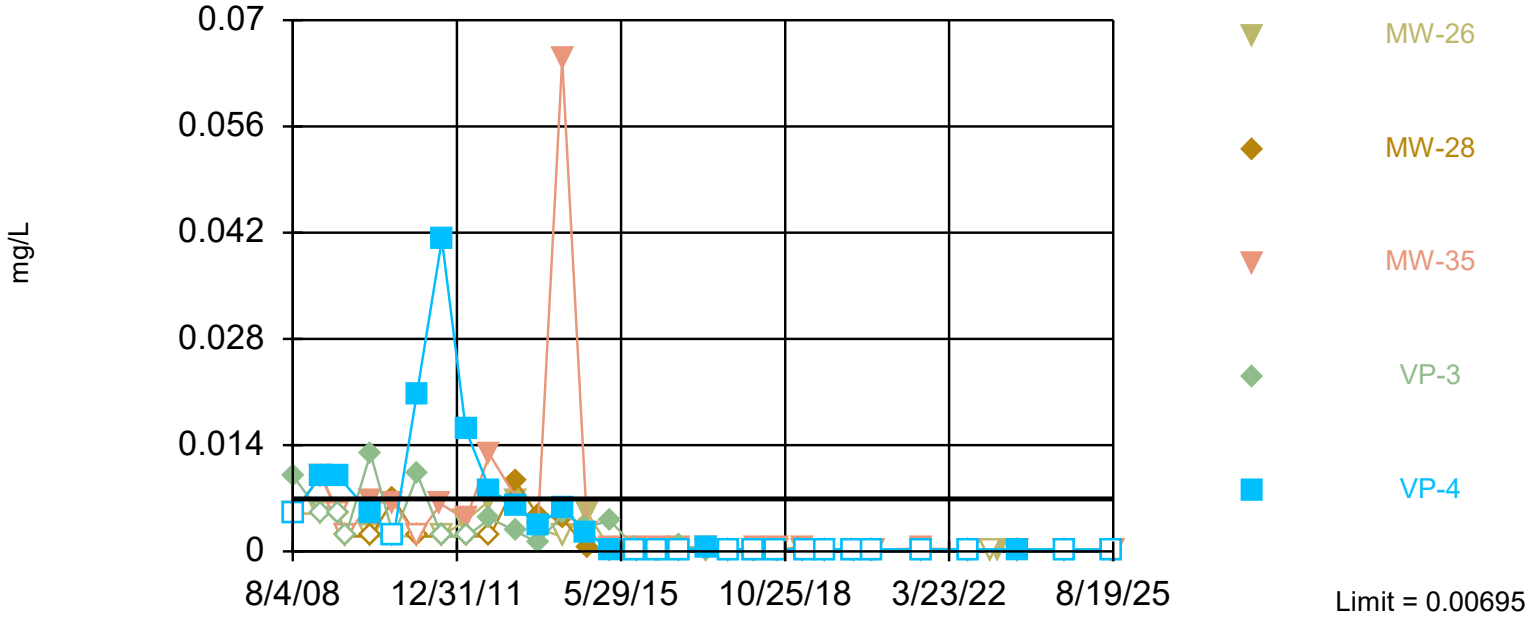
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 55 background values. 80% NDs. Annual per-constituent alpha = 0.02511. Individual comparison alpha = 0.0006052 (1 of 2).

Constituent: Lead Analysis Run 10/20/2025 3:15 PM

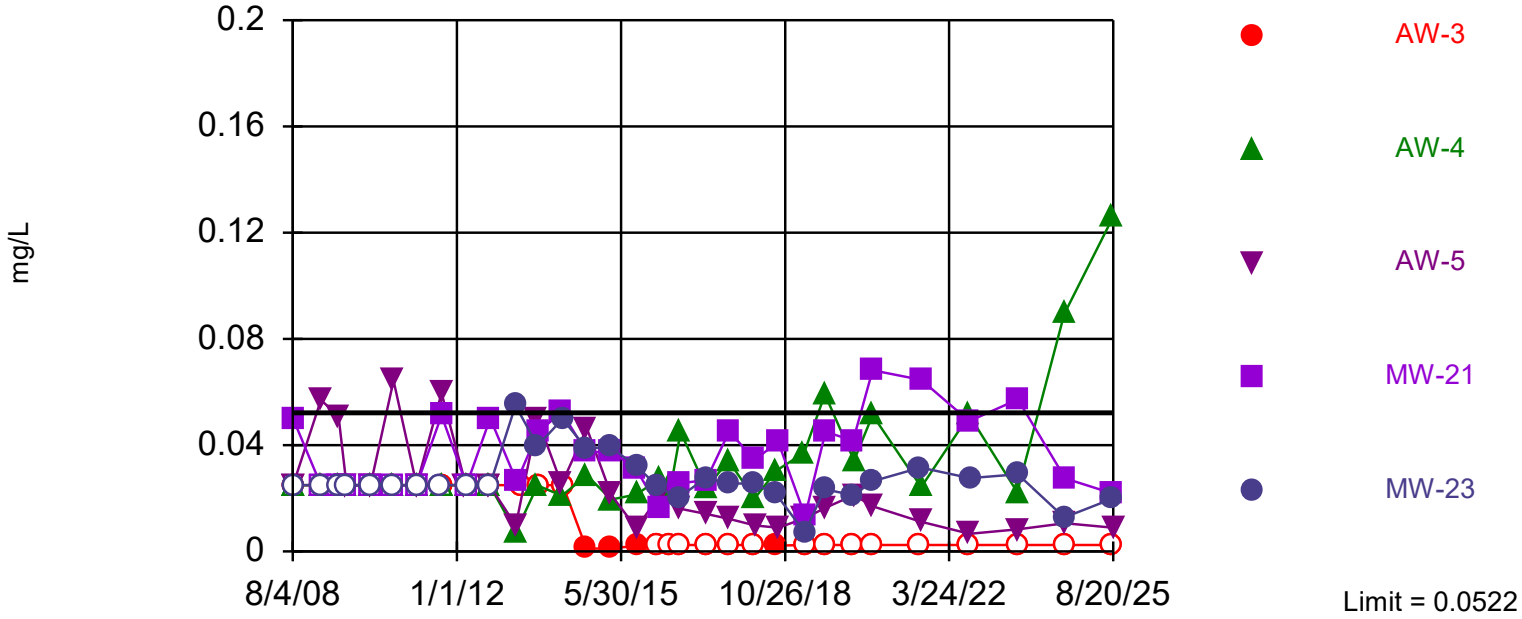
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Exceeds Limit: AW-4

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 57.14% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.000585 (1 of 2).

Constituent: Nickel Analysis Run 10/20/2025 3:12 PM

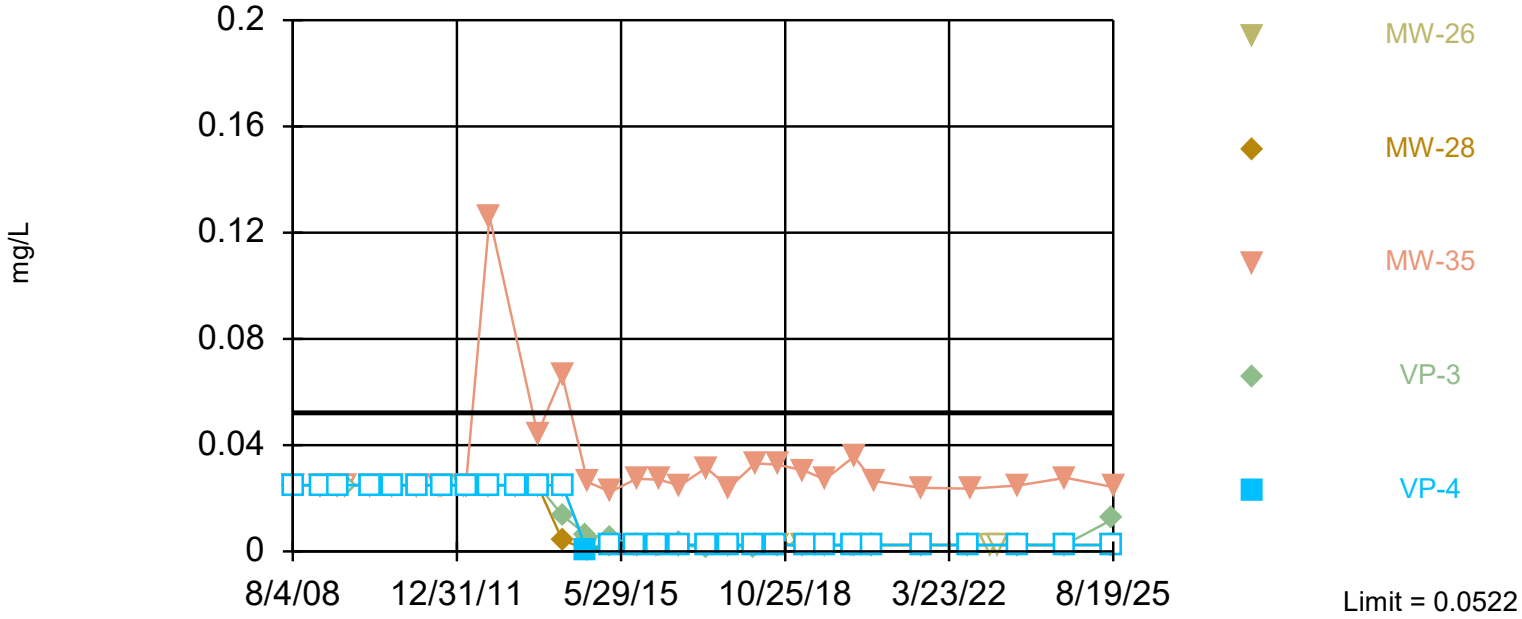
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 57.14% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.000585 (1 of 2).

Constituent: Nickel Analysis Run 10/20/2025 3:15 PM

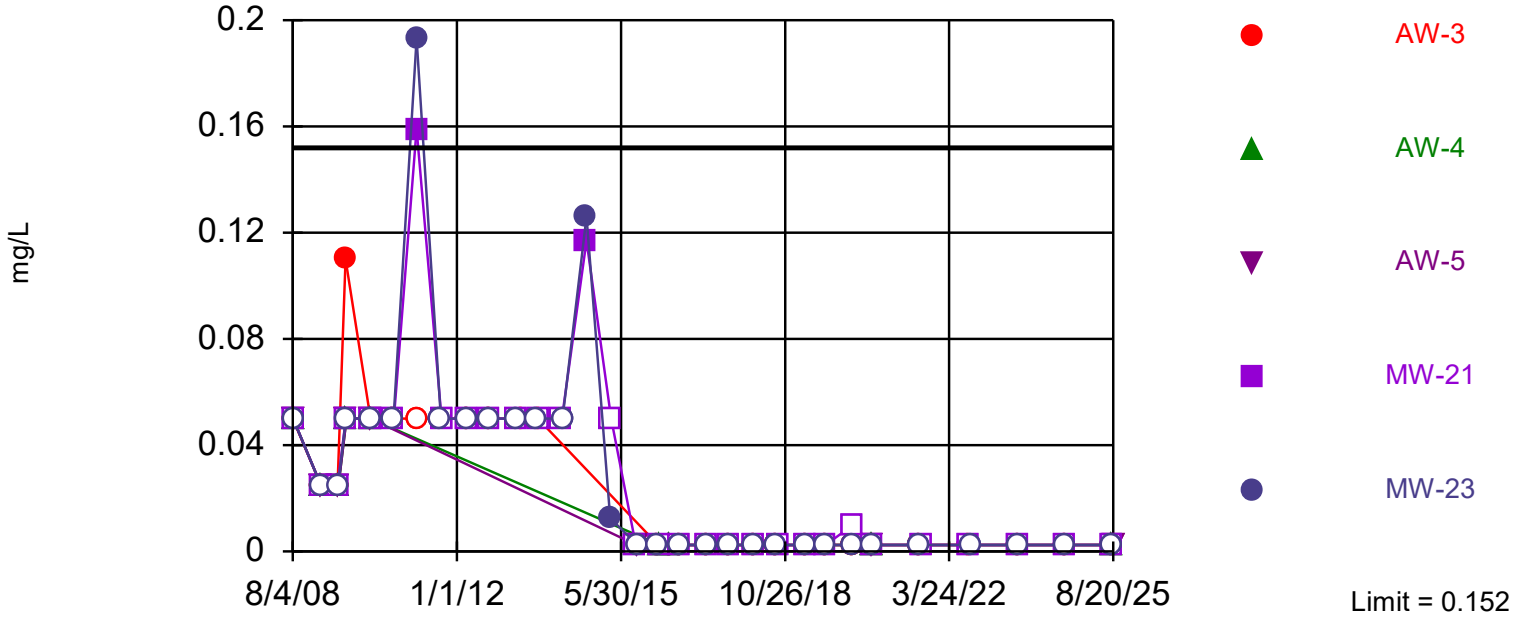
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 58 background values. 96.55% NDs. Annual per-constituent alpha = 0.02262. Individual comparison alpha = 0.0005446 (1 of 2).

Constituent: Tin Analysis Run 10/20/2025 3:12 PM

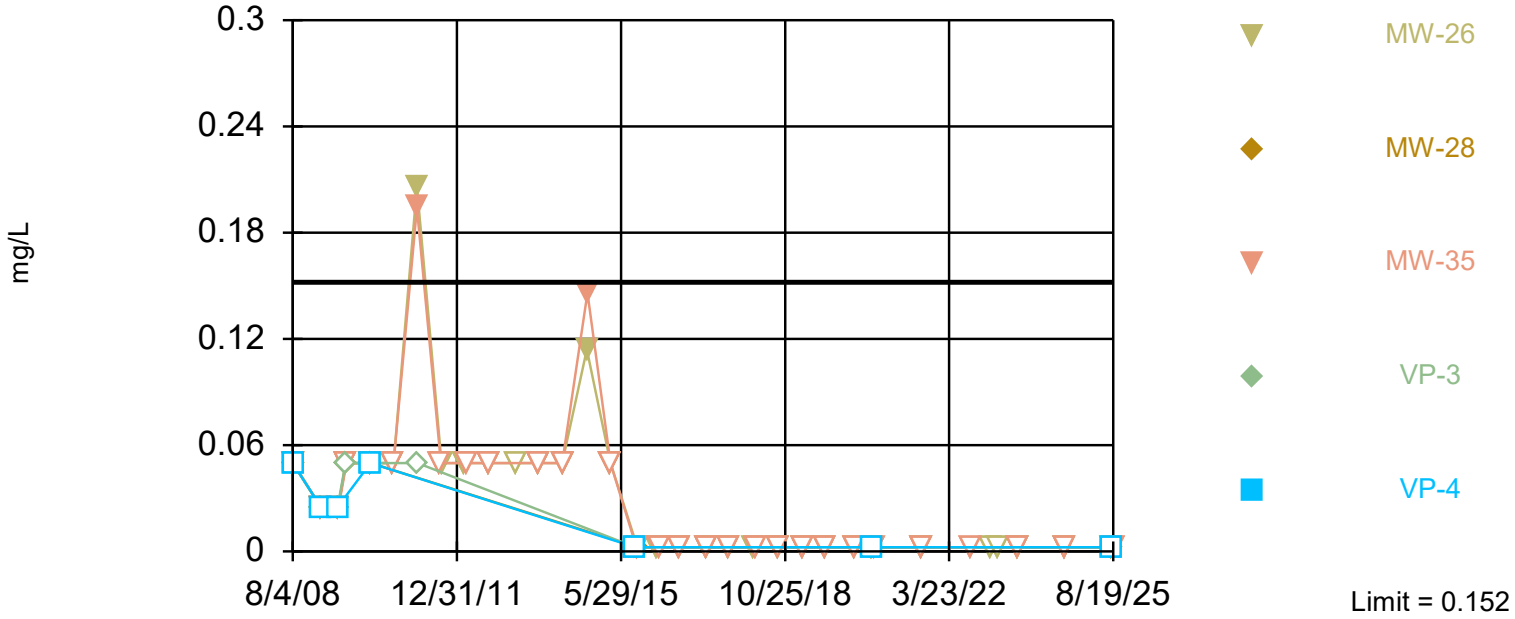
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 58 background values. 96.55% NDs. Annual per-constituent alpha = 0.02262. Individual comparison alpha = 0.0005446 (1 of 2).

Constituent: Tin Analysis Run 10/20/2025 3:15 PM

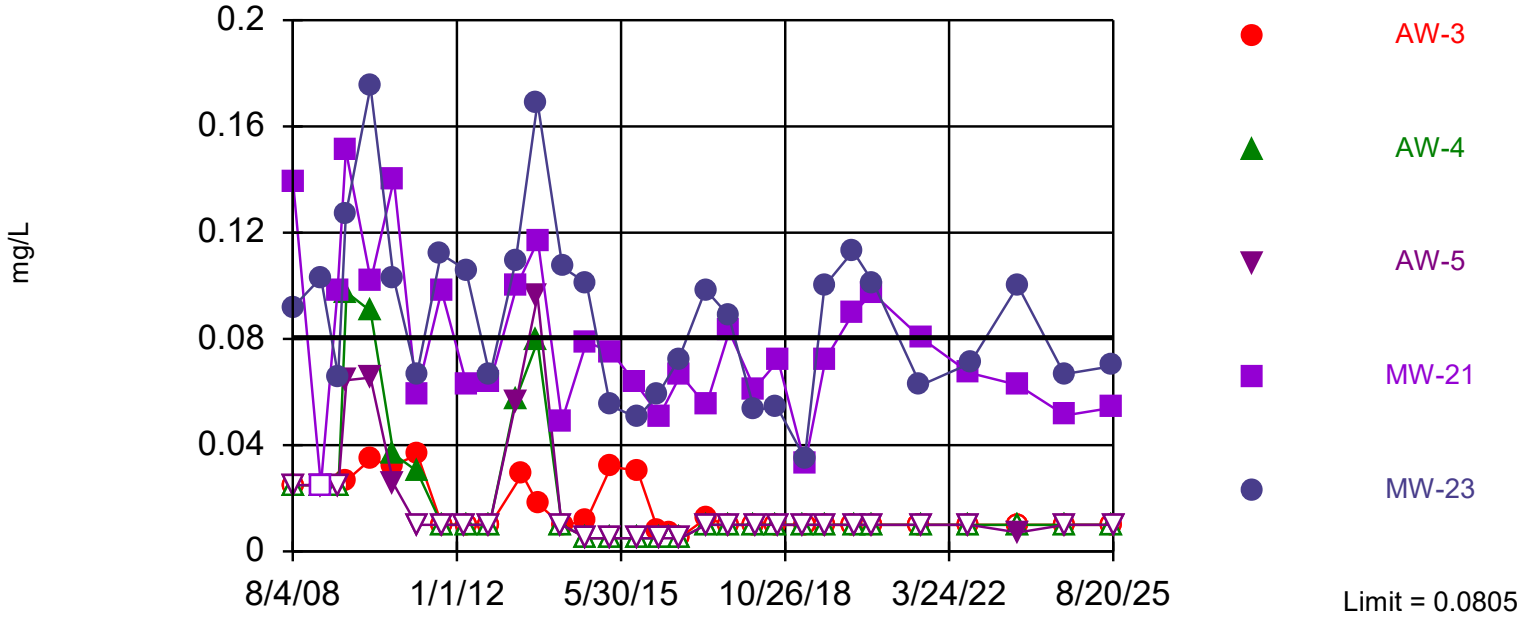
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 58 background values. 87.93% NDs. Annual per-constituent alpha = 0.02262. Individual comparison alpha = 0.0005446 (1 of 2).

Constituent: Zinc Analysis Run 10/20/2025 3:12 PM

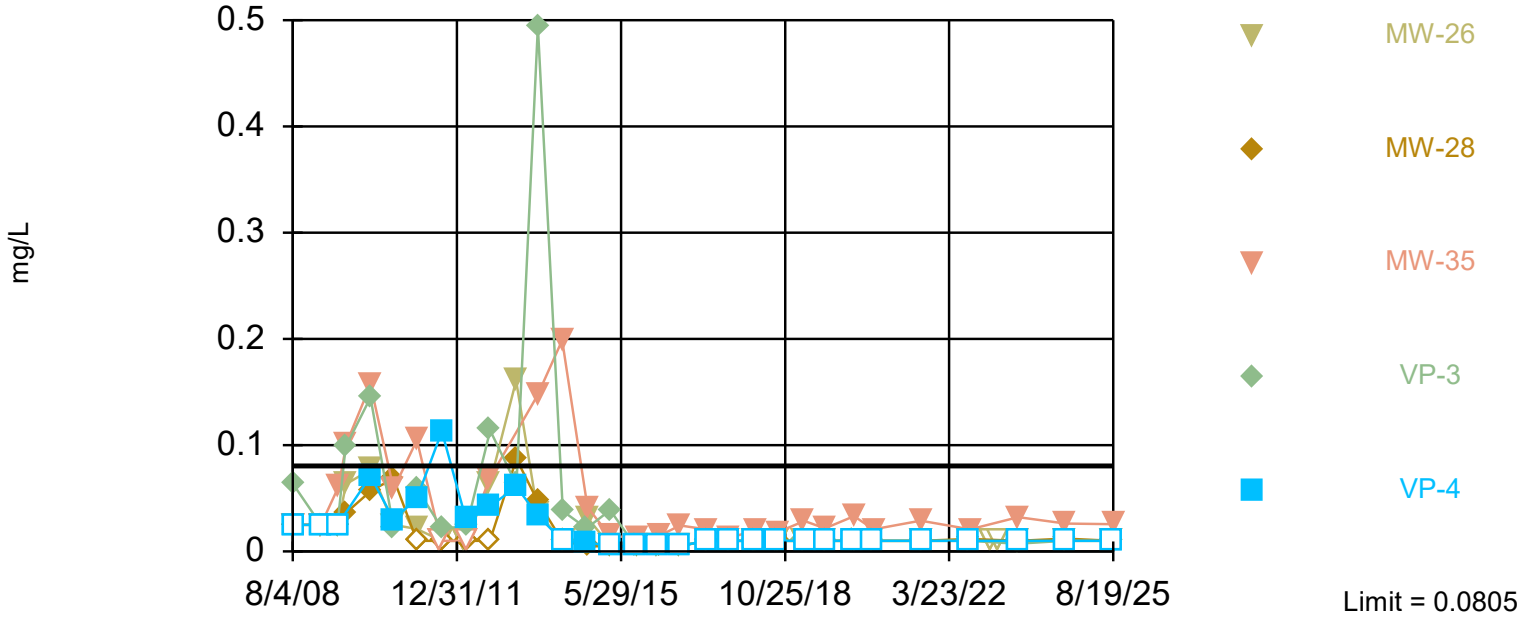
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 58 background values. 87.93% NDs. Annual per-constituent alpha = 0.02262. Individual comparison alpha = 0.0005446 (1 of 2).

Constituent: Zinc Analysis Run 10/20/2025 3:15 PM

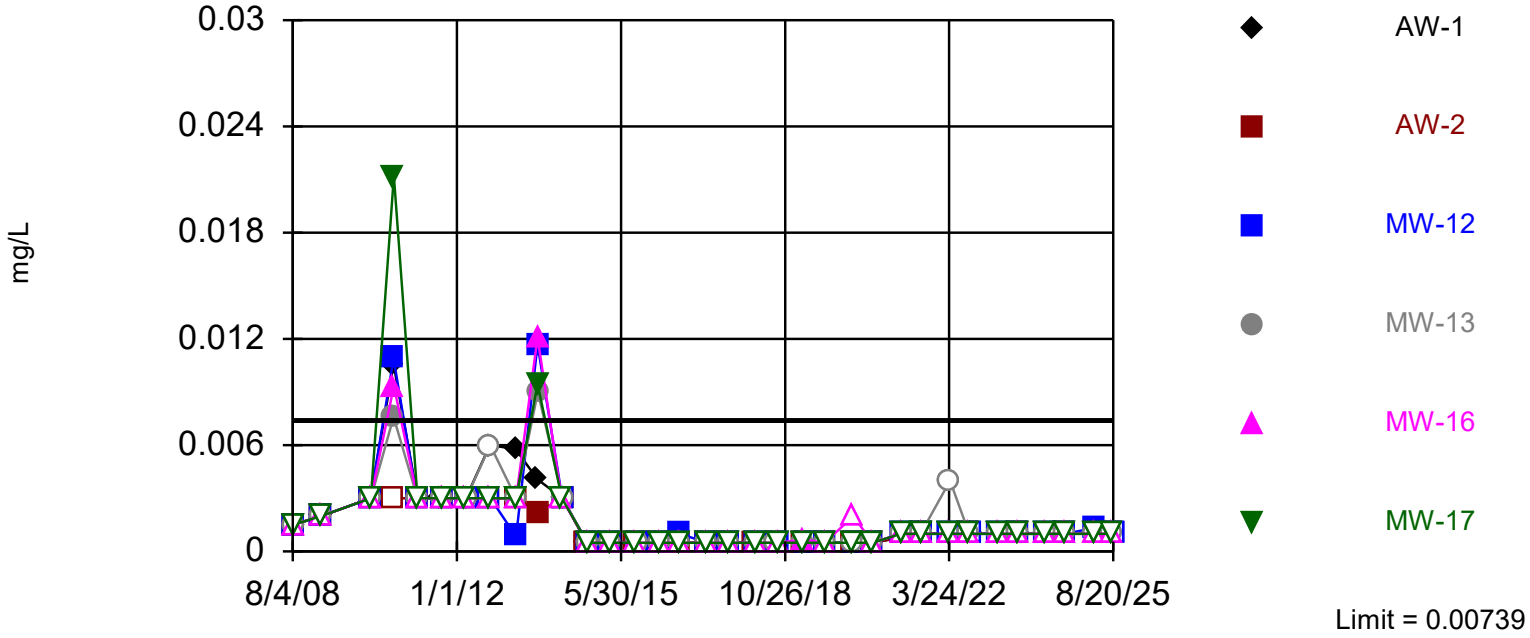
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 83.93% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.000585 (1 of 2).

Constituent: Antimony Analysis Run 10/20/2025 3:24 PM

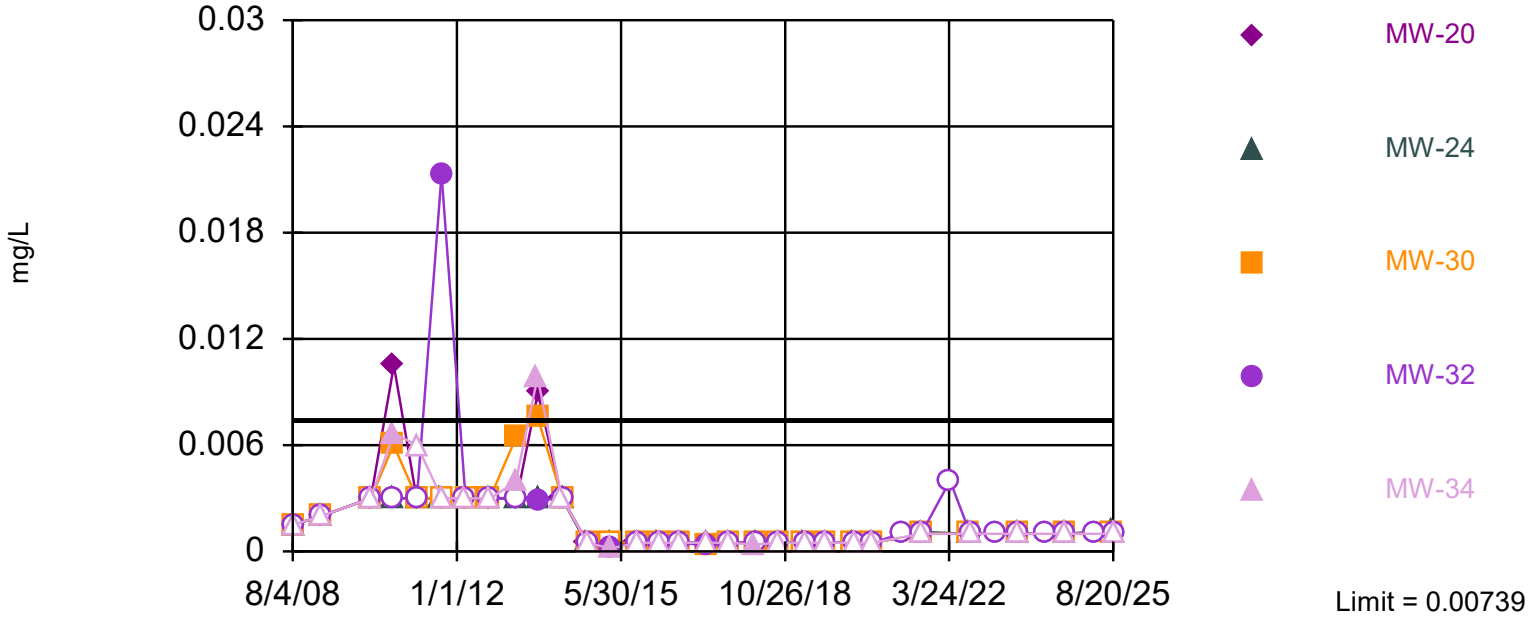
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 83.93% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.000585 (1 of 2).

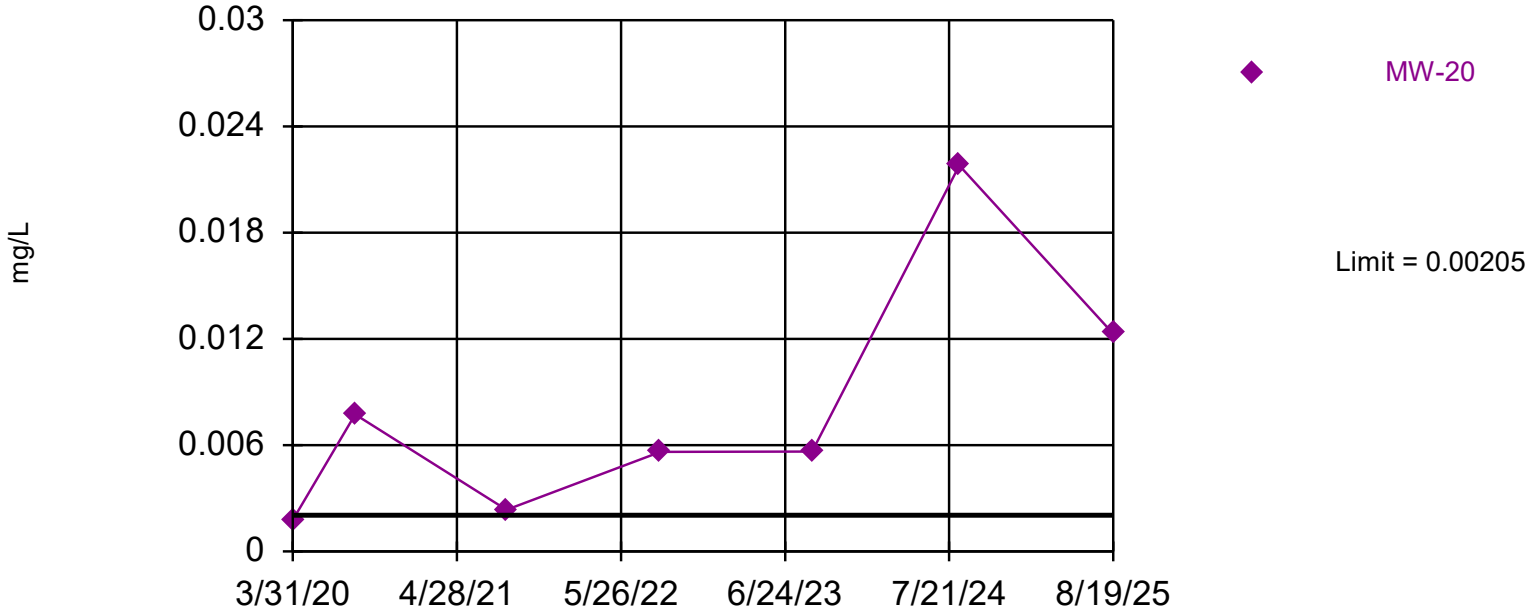
Constituent: Antimony Analysis Run 10/20/2025 3:28 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Exceeds Limit: MW-20

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 57 background values. 78.95% NDs. Annual per-constituent alpha = 0.02345. Individual comparison alpha = 0.0005648 (1 of 2).

Constituent: Arsenic Analysis Run 10/20/2025 3:28 PM

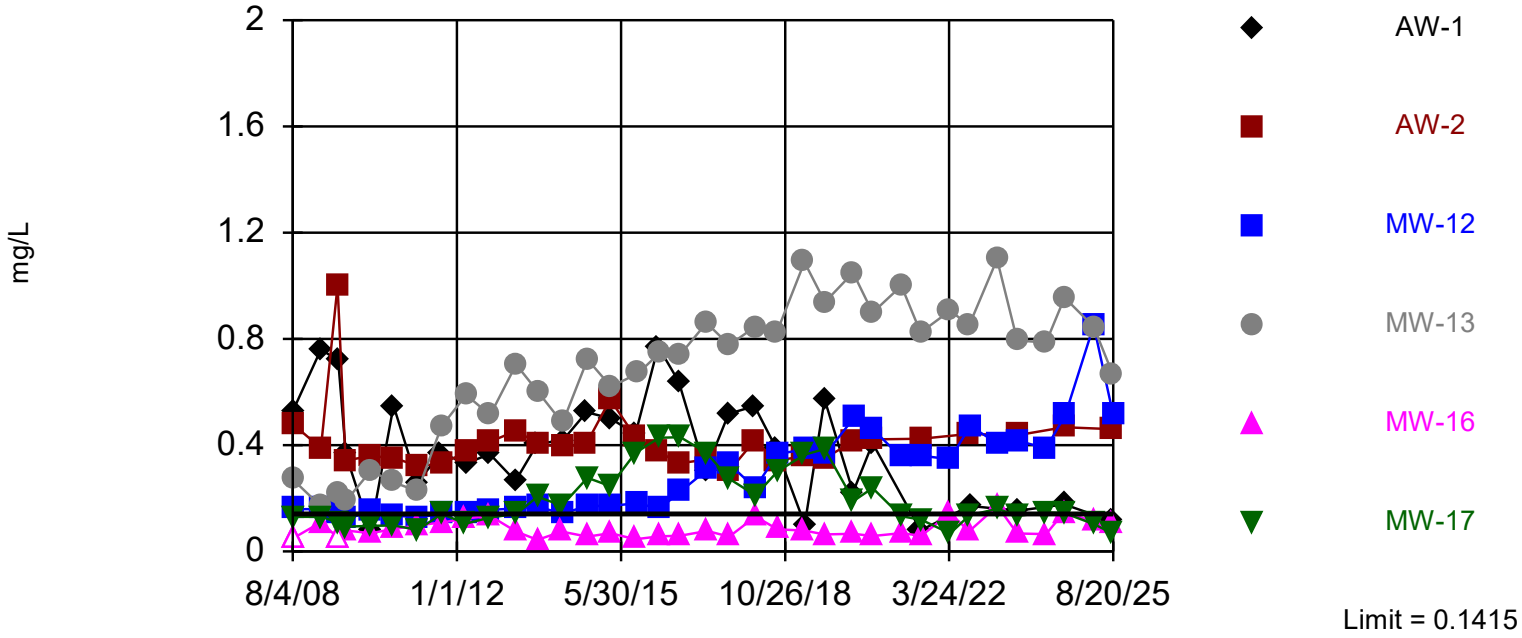
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Exceeds Limit: AW-2, MW-12, MW-13

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-3.015, Std. Dev.=0.4585, n=53. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9417, critical = 0.938. Kappa = 2.311 (c=10, w=42, 1 of 2, event alpha = 0.1). Report alpha = 0.01048. Individual comparison alpha = 0.0002508.

Constituent: Barium Analysis Run 10/20/2025 3:24 PM

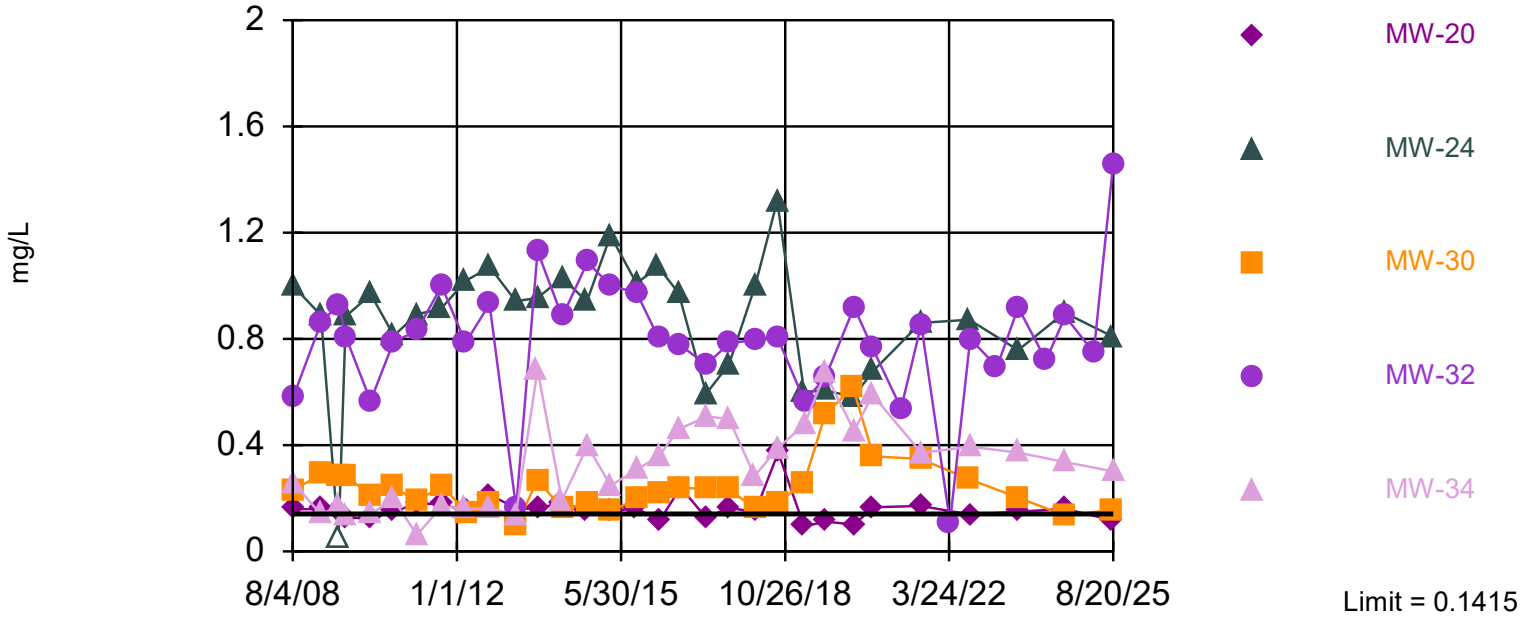
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-24, MW-30, MW-32, MW-34

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-3.015, Std. Dev.=0.4585, n=53. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9417, critical = 0.938. Kappa = 2.311 (c=10, w=42, 1 of 2, event alpha = 0.1). Report alpha = 0.01048. Individual comparison alpha = 0.0002508.

Constituent: Barium Analysis Run 10/20/2025 3:28 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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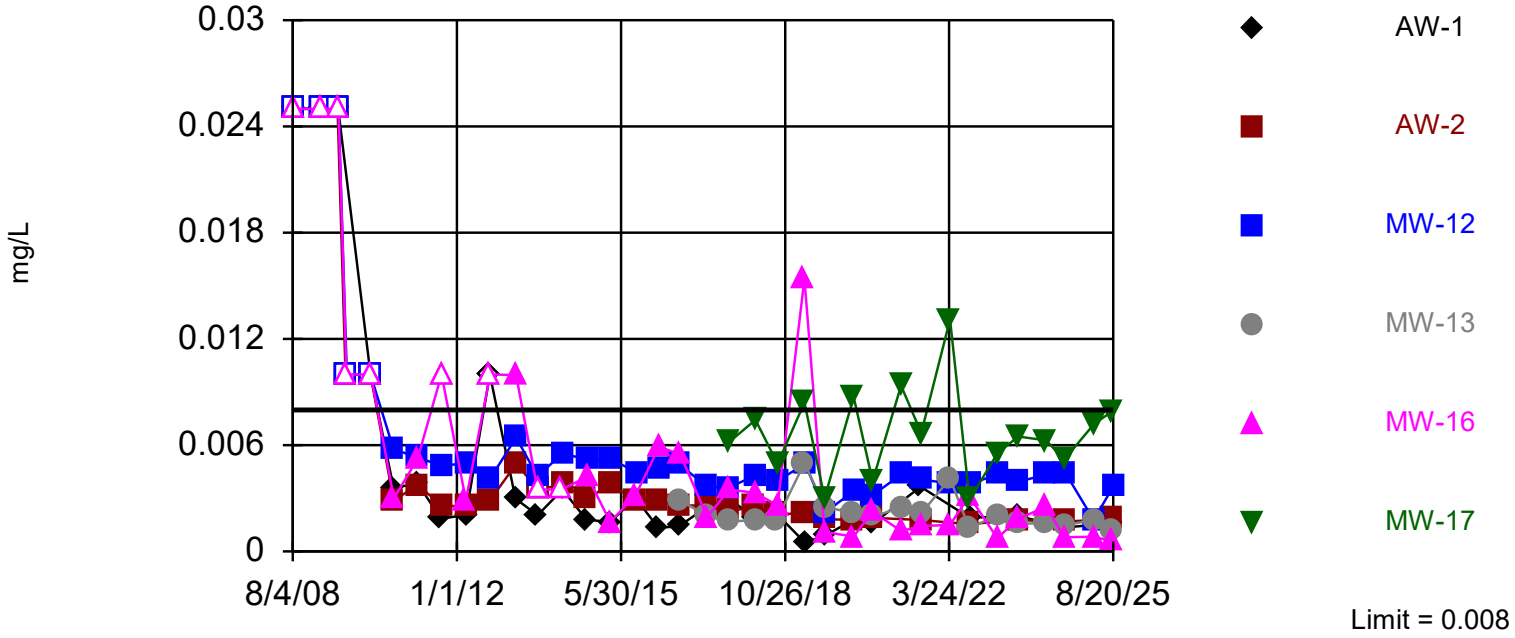
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 44 background values. 29.55% NDs. Annual per-constituent alpha = 0.03775. Individual comparison alpha = 0.0009157 (1 of 2).

Constituent: Cobalt Analysis Run 10/20/2025 3:24 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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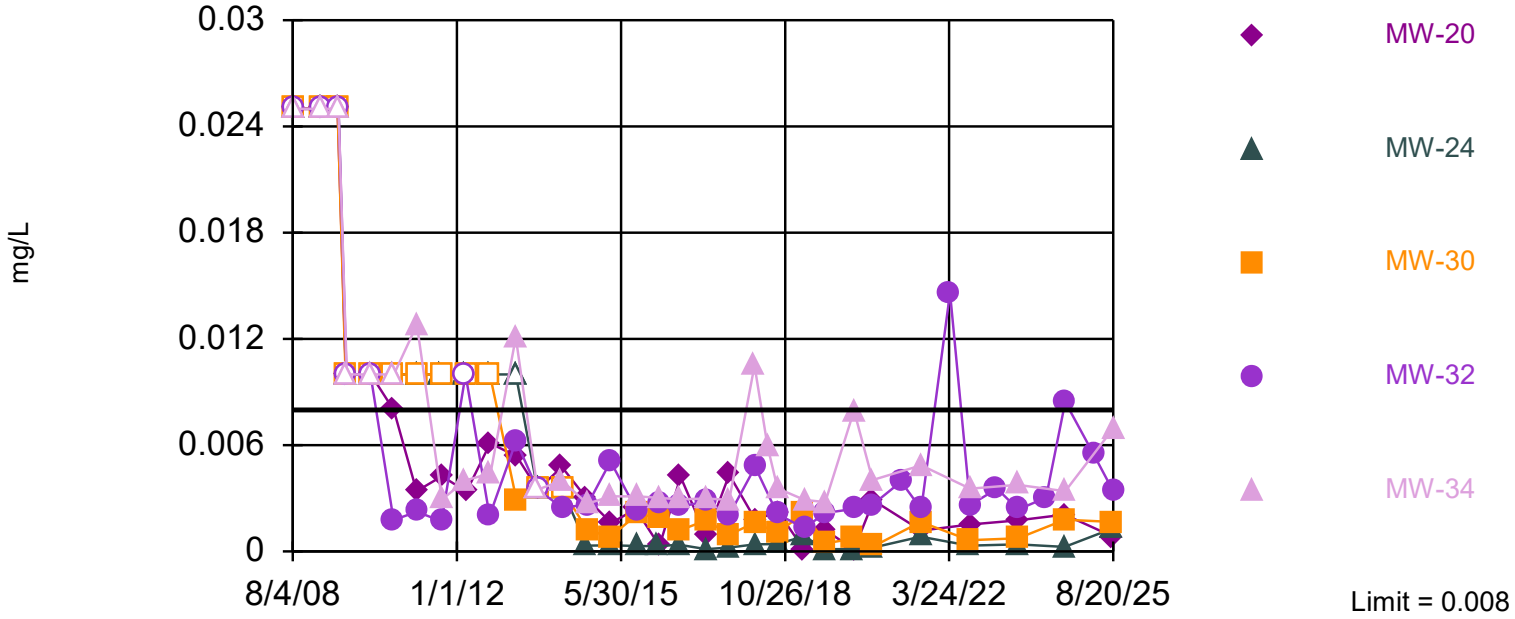
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 44 background values. 29.55% NDs. Annual per-constituent alpha = 0.03775. Individual comparison alpha = 0.0009157 (1 of 2).

Constituent: Cobalt Analysis Run 10/20/2025 3:28 PM

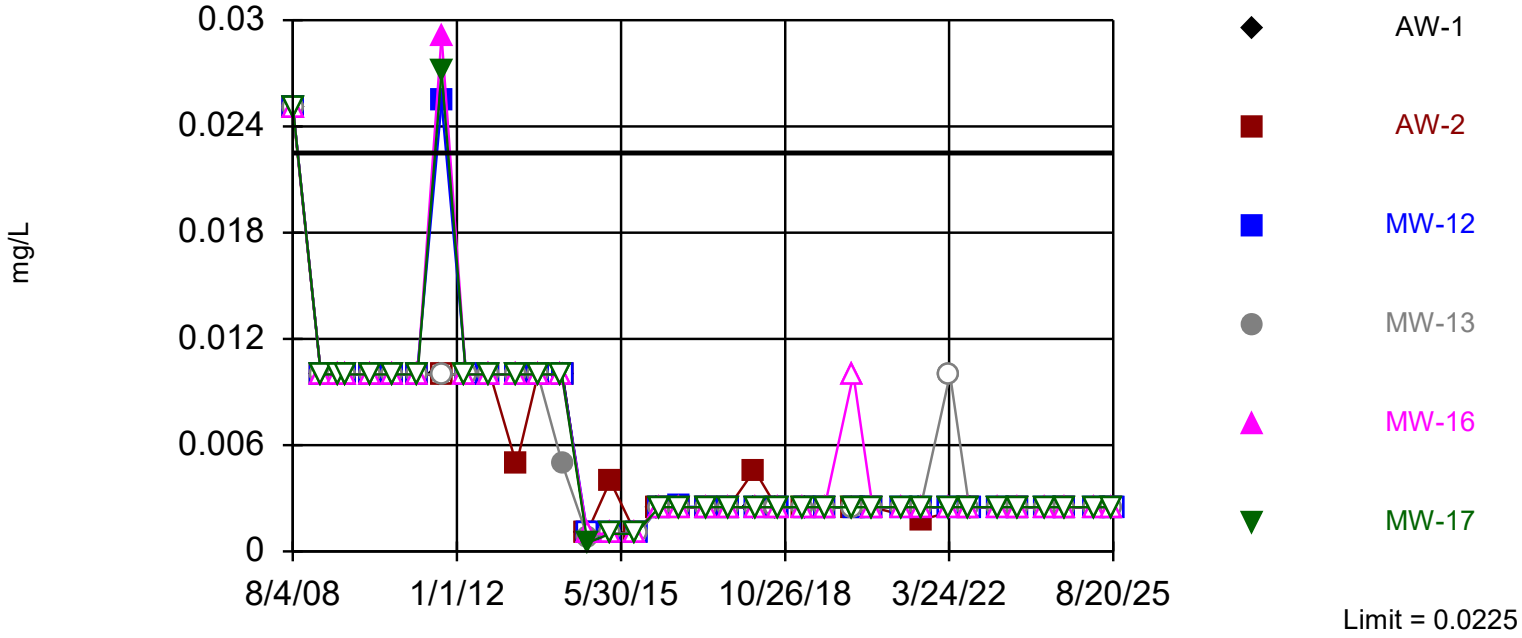
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 94.64% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.000585 (1 of 2).

Constituent: Copper Analysis Run 10/20/2025 3:24 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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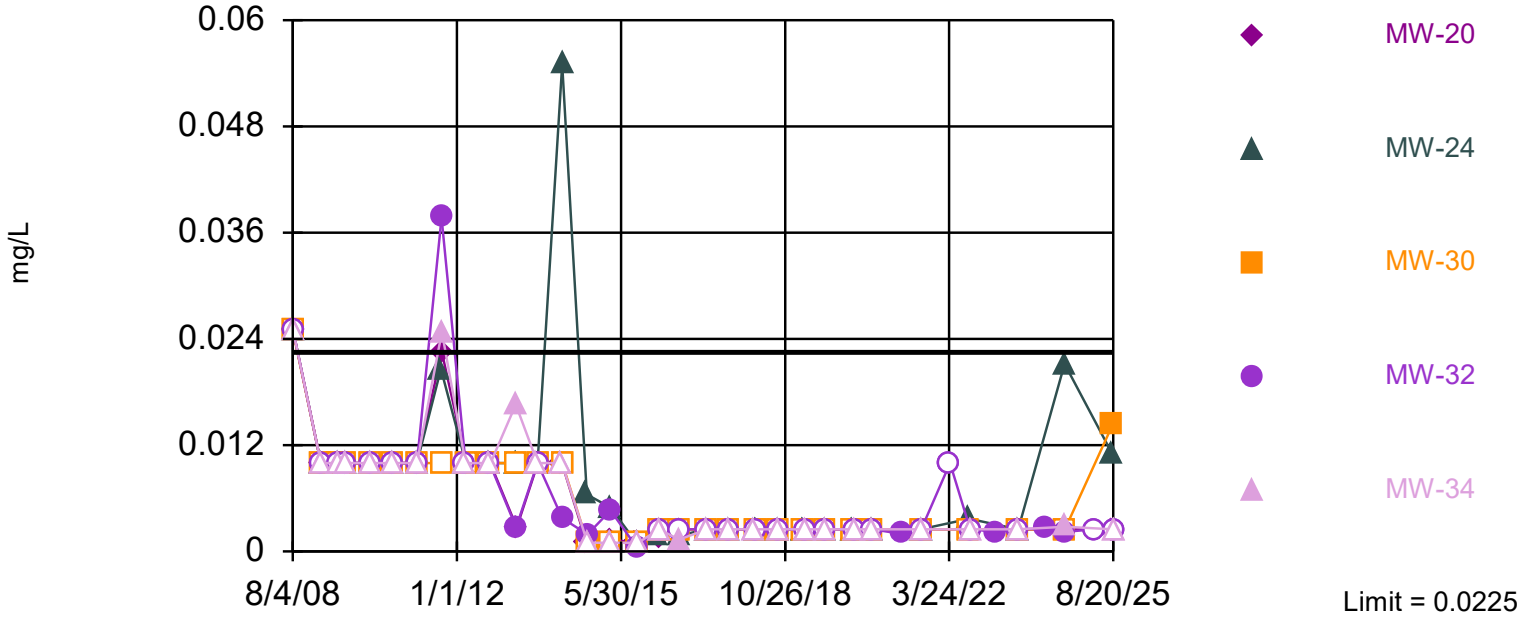
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 94.64% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.000585 (1 of 2).

Constituent: Copper Analysis Run 10/20/2025 3:28 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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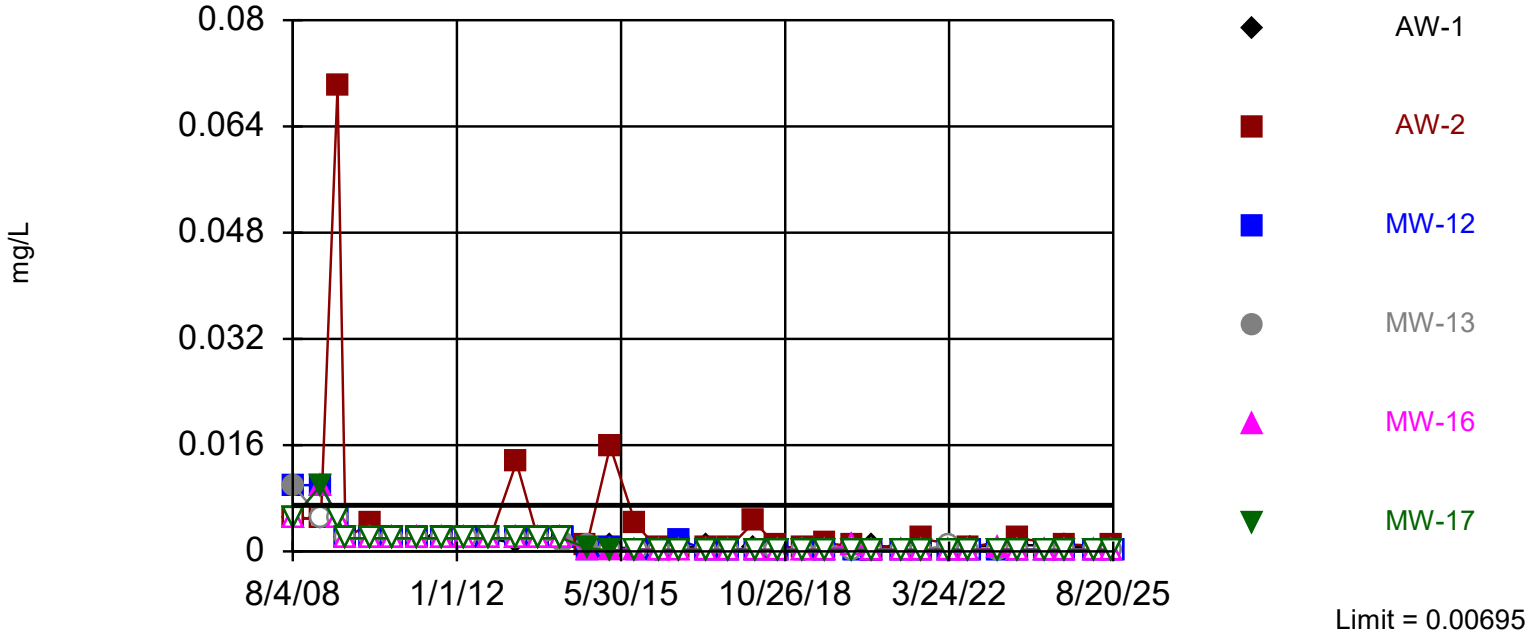
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 55 background values. 80% NDs. Annual per-constituent alpha = 0.02511. Individual comparison alpha = 0.0006052 (1 of 2).

Constituent: Lead Analysis Run 10/20/2025 3:24 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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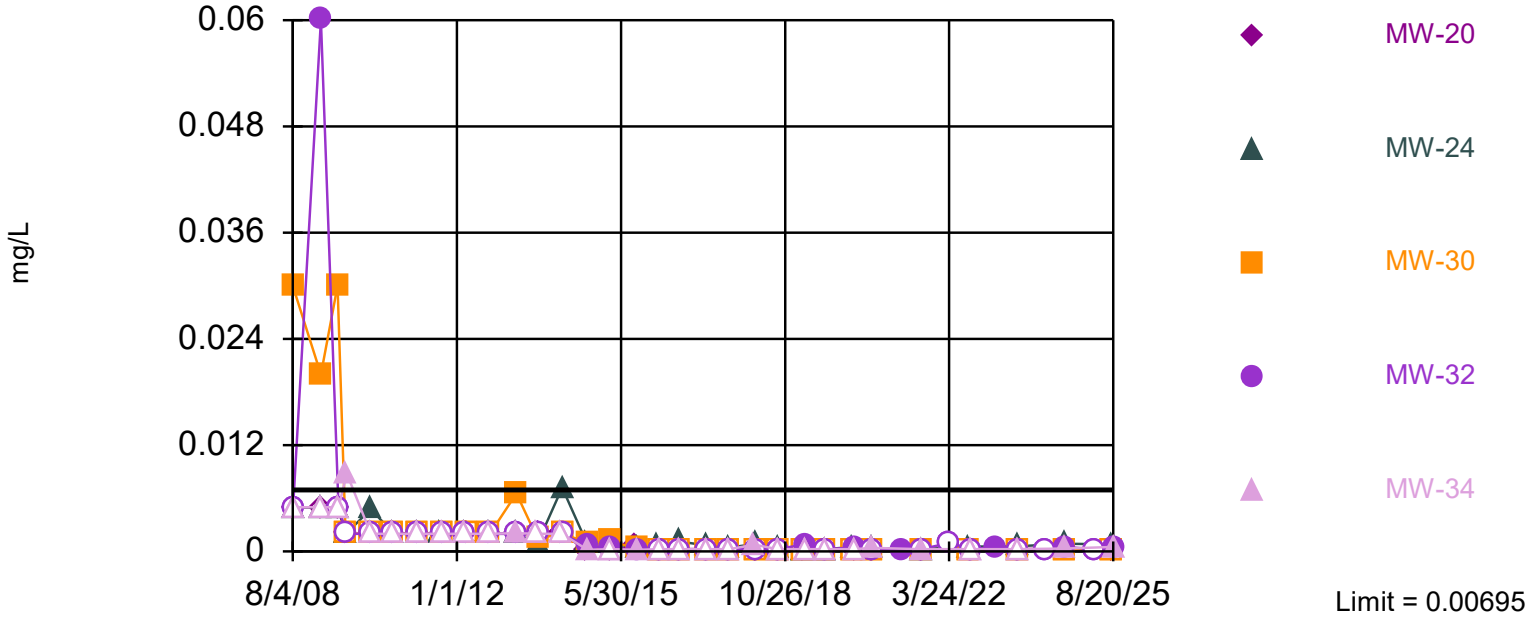
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 55 background values. 80% NDs. Annual per-constituent alpha = 0.02511. Individual comparison alpha = 0.0006052 (1 of 2).

Constituent: Lead Analysis Run 10/20/2025 3:28 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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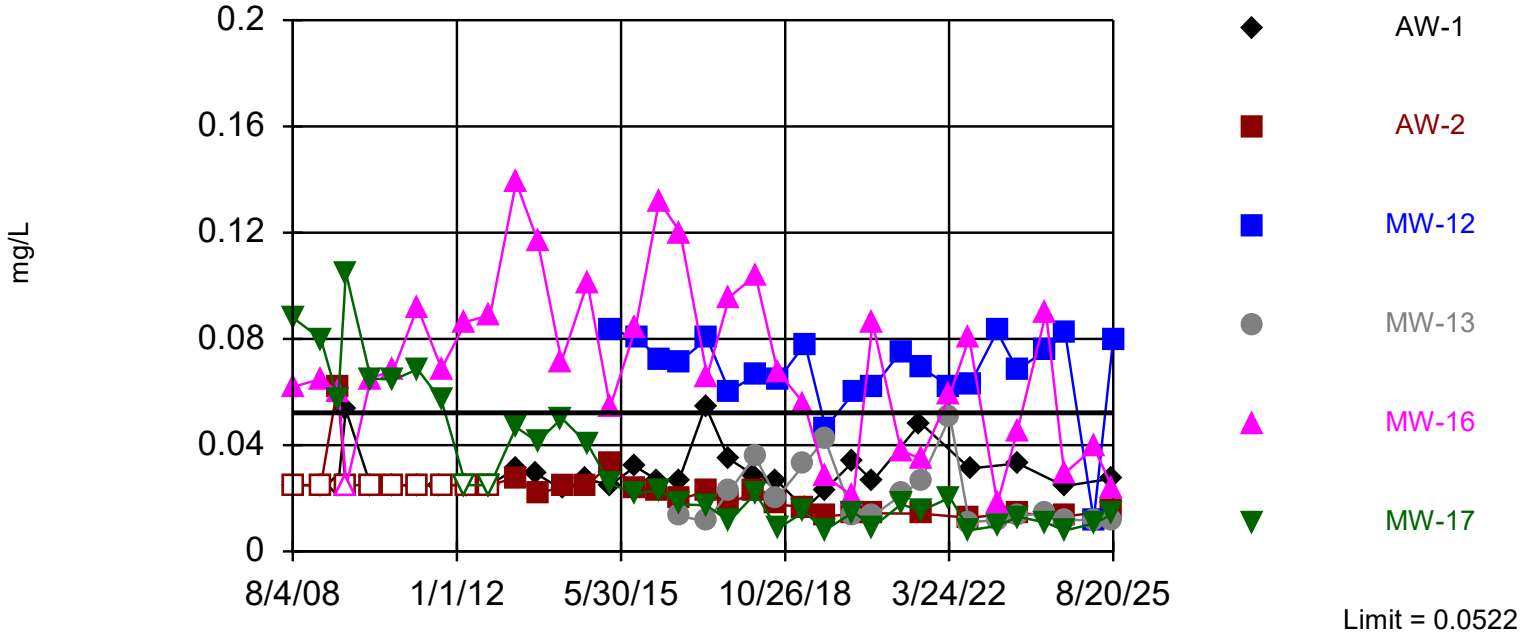
Hollow symbols indicate censored values.

Exceeds Limit: MW-12

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 57.14% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.000585 (1 of 2).

Constituent: Nickel Analysis Run 10/20/2025 3:24 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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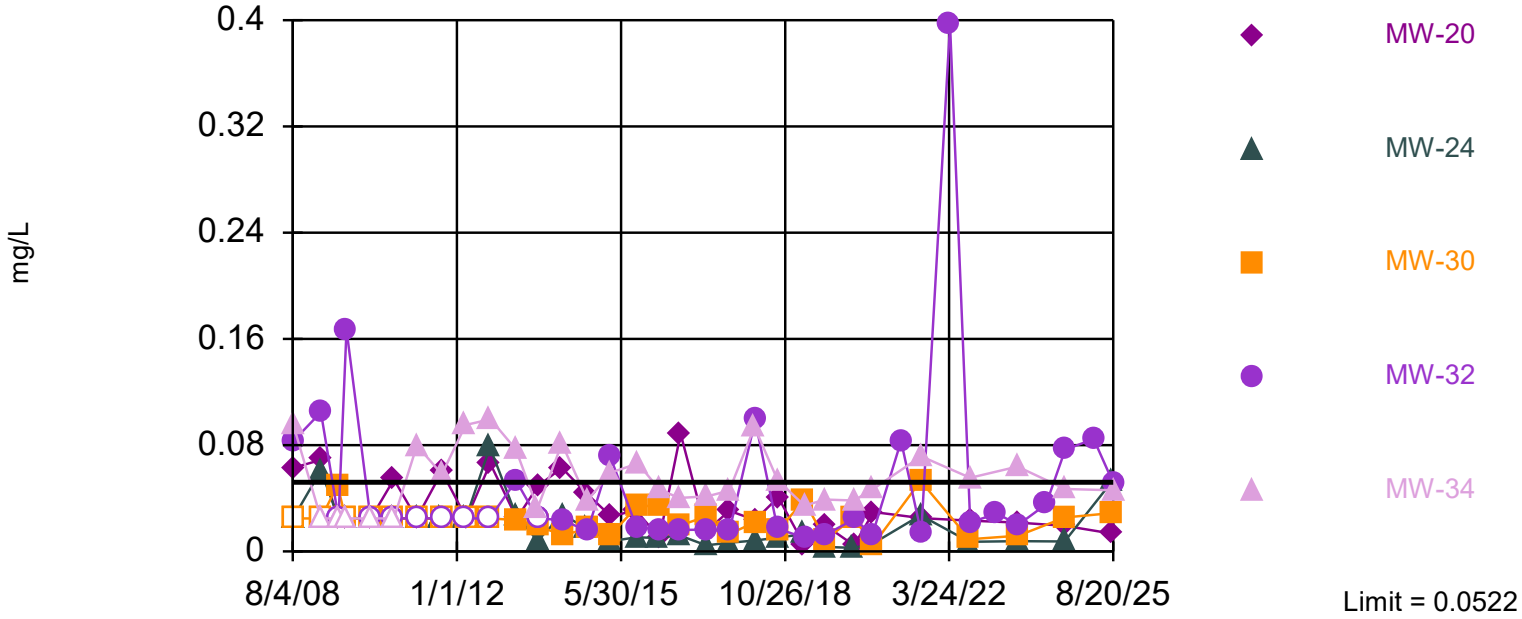
Hollow symbols indicate censored values.

Exceeds Limit: MW-24

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 57.14% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.000585 (1 of 2).

Constituent: Nickel Analysis Run 10/20/2025 3:28 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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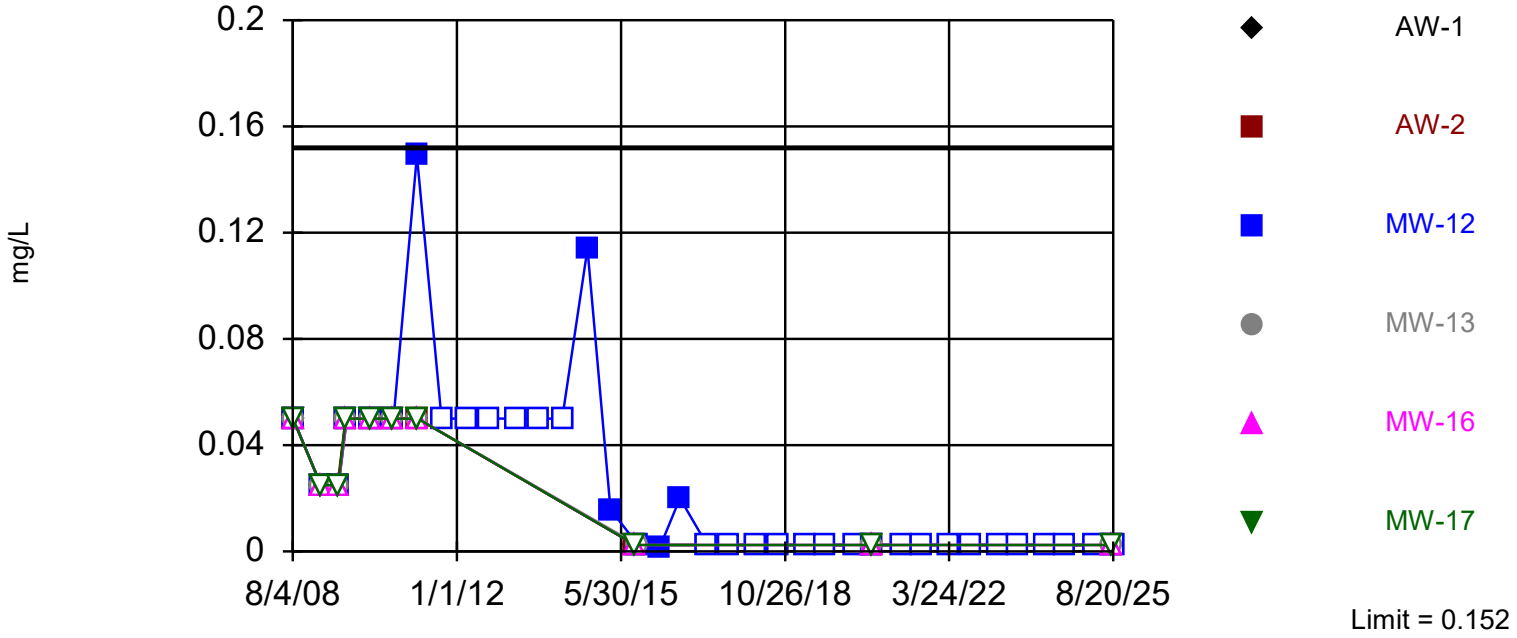
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 58 background values. 96.55% NDs. Annual per-constituent alpha = 0.02262. Individual comparison alpha = 0.0005446 (1 of 2).

Constituent: Tin Analysis Run 10/20/2025 3:24 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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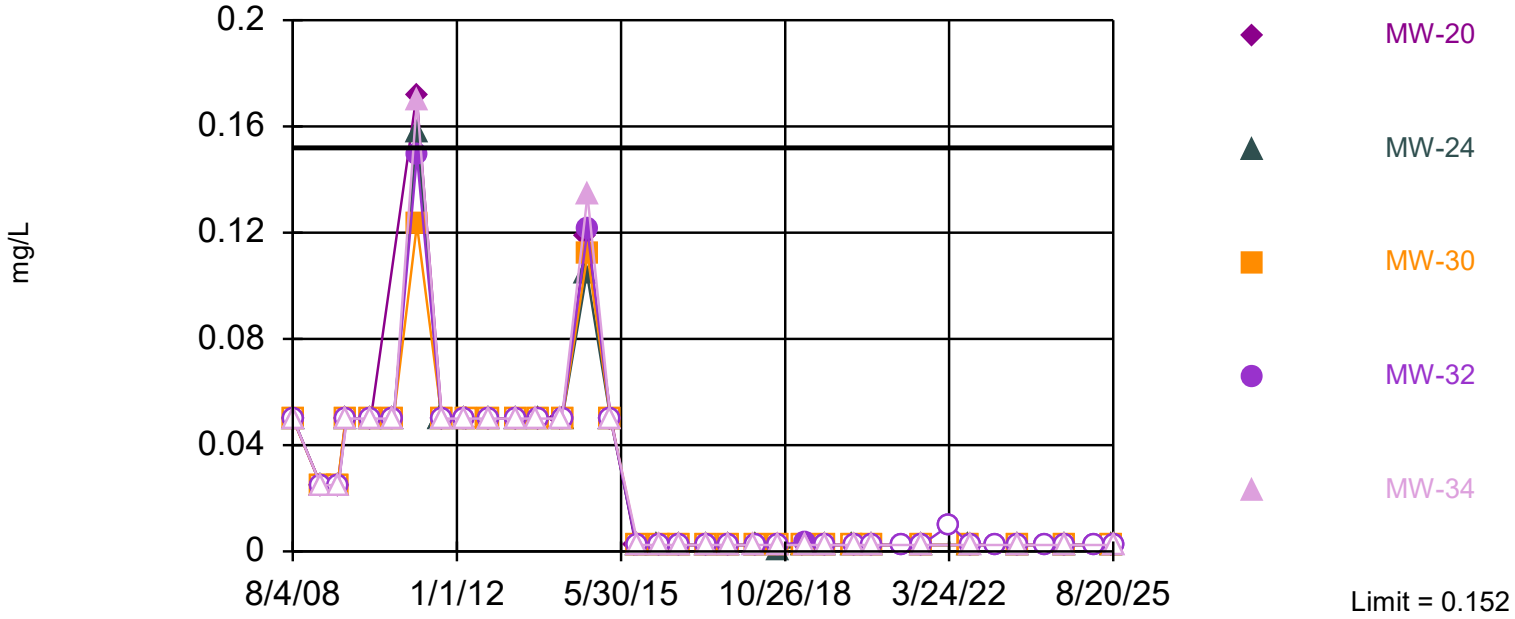
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 58 background values. 96.55% NDs. Annual per-constituent alpha = 0.02262. Individual comparison alpha = 0.0005446 (1 of 2).

Constituent: Tin Analysis Run 10/20/2025 3:28 PM

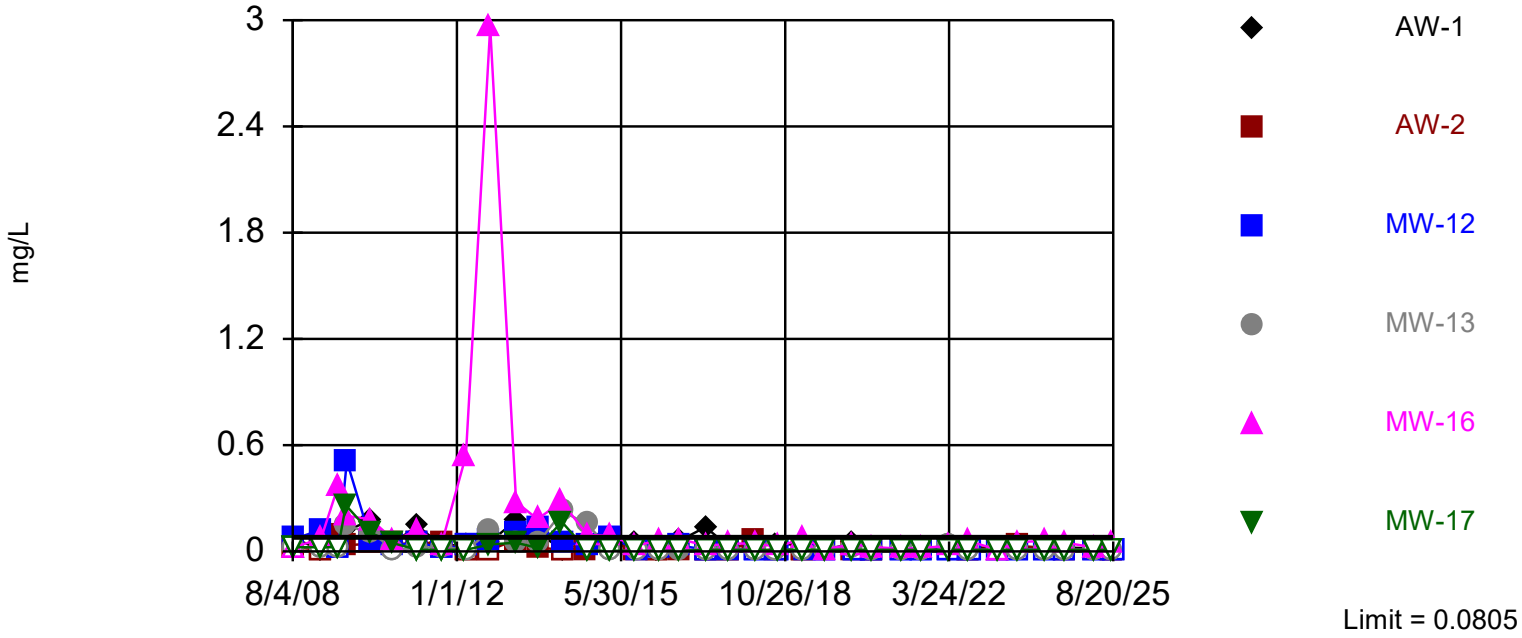
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 58 background values. 87.93% NDs. Annual per-constituent alpha = 0.02262. Individual comparison alpha = 0.0005446 (1 of 2).

Constituent: Zinc Analysis Run 10/20/2025 3:24 PM

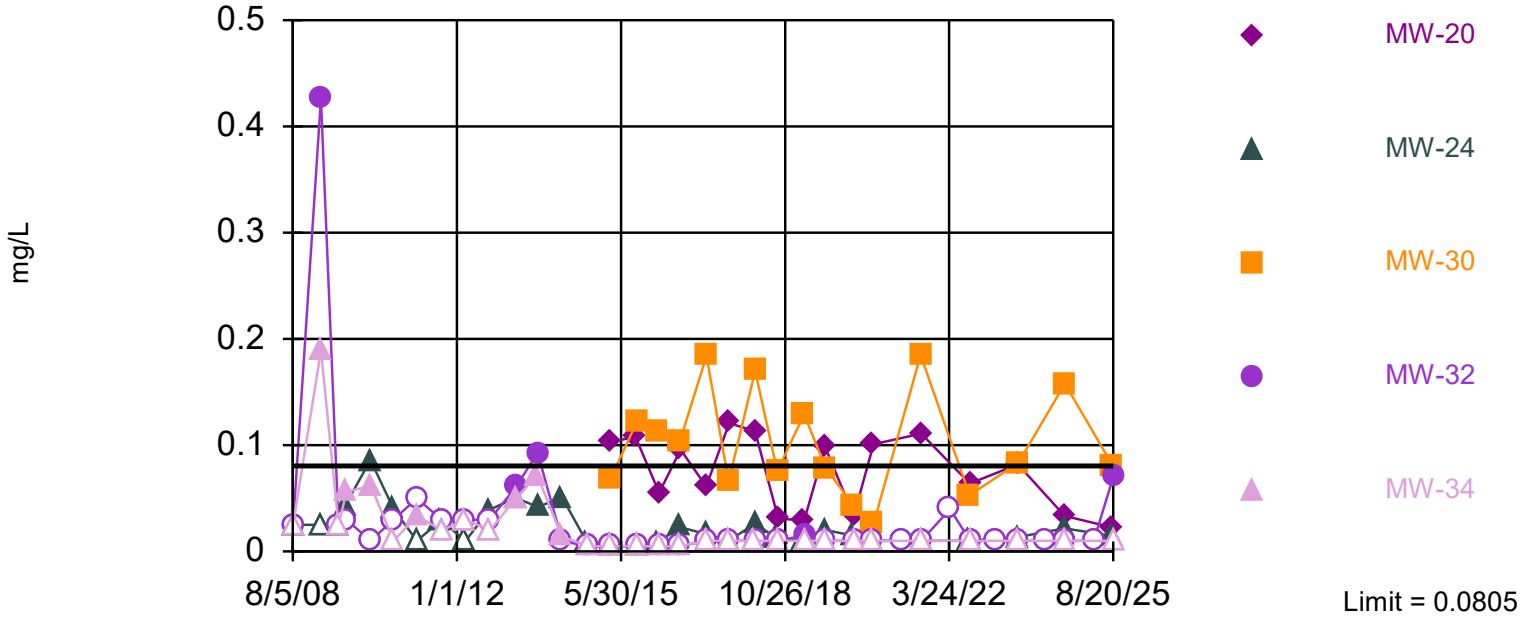
Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 58 background values. 87.93% NDs. Annual per-constituent alpha = 0.02262. Individual comparison alpha = 0.0005446 (1 of 2).

Constituent: Zinc Analysis Run 10/20/2025 3:28 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Deeper Bedrock

Interwell Prediction Limit [1]

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Detection Monitoring Locations													
Antimony (mg/L)	MW-31	0.0101	8/18/2025	0.001ND	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-31	0.00225	8/18/2025	0.001ND	No	57	n/a	n/a	35	n/a	n/a	0.0005648	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-31	0.138	8/18/2025	0.0876	No	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
Cadmium (mg/L)	MW-31	0.000824	8/18/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-31	0.0008303	8/18/2025	0.00025ND	No	44	-8.341	0.5319	20	Kaplan-Meier	ln(x)	0.0002508	Param Inter 1 of 2
Copper (mg/L)	MW-31	0.0108	8/18/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-31	0.00735	8/18/2025	0.0025ND	No	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-31	0.0366	8/18/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Delineation Monitoring Locations - Assessment Constituents													
Antimony (mg/L)	MW-102B	0.0101	8/18/2025	0.001ND	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-105B	0.0101	8/20/2025	0.001ND	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-107B	0.0101	8/18/2025	0.001ND	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-108B	0.0101	8/18/2025	0.001ND	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-109B	0.0101	8/20/2025	0.001ND	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-102B	0.00225	8/18/2025	0.001ND	No	57	n/a	n/a	35	n/a	n/a	0.0005648	NP Inter (normality) 1 of 2
Arsenic (mg/L)	MW-104B	0.00225	8/20/2025	0.001ND	No	57	n/a	n/a	35	n/a	n/a	0.0005648	NP Inter (normality) 1 of 2
Arsenic (mg/L)	MW-105B	0.00225	8/20/2025	0.00442	Yes	57	n/a	n/a	35	n/a	n/a	0.0005648	NP Inter (normality) 1 of 2
Arsenic (mg/L)	MW-107B	0.00225	8/18/2025	0.001ND	No	57	n/a	n/a	35	n/a	n/a	0.0005648	NP Inter (normality) 1 of 2
Arsenic (mg/L)	MW-108B	0.00225	8/18/2025	0.001ND	No	57	n/a	n/a	35	n/a	n/a	0.0005648	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-102B	0.138	8/18/2025	0.123	No	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-105B	0.138	8/20/2025	0.111	No	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-107B	0.138	8/18/2025	0.275	Yes	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-108B	0.138	8/18/2025	0.192	Yes	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-109B	0.138	8/20/2025	0.646	Yes	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
Cadmium (mg/L)	MW-102B	0.000824	8/18/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-105B	0.000824	8/20/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-107B	0.000824	8/18/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-108B	0.000824	8/18/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-109B	0.000824	8/20/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-102B	0.0008303	8/18/2025	0.00159	Yes	44	-8.341	0.5319	20	Kaplan-Meier	ln(x)	0.0002508	Param Inter 1 of 2
Cobalt (mg/L)	MW-107B	0.0008303	8/18/2025	0.00138	Yes	44	-8.341	0.5319	20	Kaplan-Meier	ln(x)	0.0002508	Param Inter 1 of 2
Copper (mg/L)	MW-102B	0.0108	8/18/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-105B	0.0108	8/20/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-107B	0.0108	8/18/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-108B	0.0108	8/18/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-109B	0.0108	8/20/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-102B	0.00735	8/18/2025	0.00255J	No	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-105B	0.00735	8/20/2025	0.0135	Yes	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-107B	0.00735	8/18/2025	0.00993	Yes	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-108B	0.00735	8/18/2025	0.00754	Yes	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-109B	0.00735	8/20/2025	0.0335	Yes	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-105B	0.109	8/20/2025	0.0025ND	No	57	n/a	n/a	95	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-109B	0.109	8/20/2025	0.0025ND	No	57	n/a	n/a	95	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-102B	0.0366	8/18/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-105B	0.0366	8/20/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-107B	0.0366	8/18/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-108B	0.0366	8/18/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-109B	0.0366	8/20/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2

Deeper Bedrock

Interwell Prediction Limit [1]

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Assessment Monitoring Locations													
Antimony (mg/L)	MW-11	0.0101	8/20/2025	0.001ND	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-15	0.0101	8/15/2025	0.001ND	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-18	0.0101	8/19/2025	0.001ND	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-19	0.0101	8/19/2025	0.001ND	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-25	0.0101	8/18/2025	0.001ND	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-11	0.00225	8/20/2025	0.001ND	No	57	n/a	n/a	35	n/a	n/a	0.0005648	NP Inter (normality) 1 of 2
Arsenic (mg/L)	MW-15	0.00225	8/15/2025	0.000924J	No	57	n/a	n/a	35	n/a	n/a	0.0005648	NP Inter (normality) 1 of 2
Arsenic (mg/L)	MW-18	0.00225	8/19/2025	0.00679	Yes	57	n/a	n/a	35	n/a	n/a	0.0005648	NP Inter (normality) 1 of 2
Arsenic (mg/L)	MW-19	0.00225	8/19/2025	0.000853J	No	57	n/a	n/a	35	n/a	n/a	0.0005648	NP Inter (normality) 1 of 2
Arsenic (mg/L)	MW-25	0.00225	8/18/2025	0.00165J	No	57	n/a	n/a	35	n/a	n/a	0.0005648	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-11	0.138	8/20/2025	0.0541	No	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-15	0.138	8/15/2025	0.036	No	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-18	0.138	8/19/2025	0.0199	No	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-19	0.138	8/19/2025	0.0331	No	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-25	0.138	8/18/2025	0.238	Yes	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
bis[2-Ethylhexyl]phthalate (ug/L)	MW-11	25.4	8/20/2025	5.55ND	No	57	n/a	n/a	93	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
bis[2-Ethylhexyl]phthalate (ug/L)	MW-15	25.4	8/15/2025	5.2ND	No	57	n/a	n/a	93	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
bis[2-Ethylhexyl]phthalate (ug/L)	MW-18	25.4	8/19/2025	5.2ND	No	57	n/a	n/a	93	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
bis[2-Ethylhexyl]phthalate (ug/L)	MW-19	25.4	8/19/2025	5.1ND	No	57	n/a	n/a	93	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
bis[2-Ethylhexyl]phthalate (ug/L)	MW-25	25.4	8/18/2025	5.55ND	No	57	n/a	n/a	93	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-11	0.000824	8/20/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-15	0.000824	8/15/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-18	0.000824	8/19/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-19	0.000824	8/19/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-25	0.000824	8/18/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-11	0.0008303	8/20/2025	0.000935	Yes	44	-8.341	0.5319	20	Kaplan-Meier	ln(x)	0.0002508	Param Inter 1 of 2
Cobalt (mg/L)	MW-15	0.0008303	8/15/2025	0.00216	Yes	44	-8.341	0.5319	20	Kaplan-Meier	ln(x)	0.0002508	Param Inter 1 of 2
Cobalt (mg/L)	MW-18	0.0008303	8/19/2025	0.00025ND	No	44	-8.341	0.5319	20	Kaplan-Meier	ln(x)	0.0002508	Param Inter 1 of 2
Cobalt (mg/L)	MW-19	0.0008303	8/19/2025	0.00025ND	No	44	-8.341	0.5319	20	Kaplan-Meier	ln(x)	0.0002508	Param Inter 1 of 2
Cobalt (mg/L)	MW-25	0.0008303	8/18/2025	0.00025ND	No	44	-8.341	0.5319	20	Kaplan-Meier	ln(x)	0.0002508	Param Inter 1 of 2
Copper (mg/L)	MW-11	0.0108	8/20/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-15	0.0108	8/15/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-18	0.0108	8/19/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-19	0.0108	8/19/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-25	0.0108	8/18/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-11	0.00735	8/20/2025	0.00516	No	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-15	0.00735	8/15/2025	0.00934	Yes	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-18	0.00735	8/19/2025	0.00789	Yes	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-19	0.00735	8/19/2025	0.016	Yes	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-25	0.00735	8/18/2025	0.0025ND	No	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-11	0.109	8/20/2025	0.0025ND	No	57	n/a	n/a	95	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-15	0.109	8/15/2025	0.0025ND	No	57	n/a	n/a	95	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-18	0.109	8/19/2025	0.0025ND	No	57	n/a	n/a	95	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-19	0.109	8/19/2025	0.0025ND	No	57	n/a	n/a	95	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-25	0.109	8/18/2025	0.0025ND	No	57	n/a	n/a	95	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-11	0.0366	8/20/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-15	0.0366	8/15/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-18	0.0366	8/19/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-19	0.0366	8/19/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2

Deeper Bedrock

Interwell Prediction Limit [1]

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Assessment Monitoring Locations Continued													
Zinc (mg/L)	MW-25	0.0366	8/18/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Corrective Action Monitoring Locations - Assessment Constituents													
Antimony (mg/L)	AW-6	0.0101	8/20/2025	0.001ND	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Antimony (mg/L)	CRL-9	0.0101	8/14/2025	0.001ND	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-14	0.0101	8/14/2025	0.00138J	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-22	0.0101	8/14/2025	0.001ND	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-33	0.0101	8/20/2025	0.001ND	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-36	0.0101	8/19/2025	0.001ND	No	55	n/a	n/a	96	n/a	n/a	0.0006052	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	AW-6	0.00225	8/20/2025	0.001ND	No	57	n/a	n/a	35	n/a	n/a	0.0005648	NP Inter (normality) 1 of 2
Barium (mg/L)	AW-6	0.138	8/20/2025	0.144	Yes	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
Barium (mg/L)	CRL-9	0.138	8/14/2025	0.46	Yes	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-14	0.138	8/14/2025	0.86	Yes	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-22	0.138	8/14/2025	0.48	Yes	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-33	0.138	8/20/2025	0.473	Yes	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
Barium (mg/L)	MW-36	0.138	8/19/2025	0.61	Yes	53	n/a	n/a	0	n/a	n/a	0.0006457	NP Inter (normality) 1 of 2
bis[2-Ethylhexyl]phthalate (ug/L)	AW-6	25.4	8/20/2025	5.2ND	No	57	n/a	n/a	93	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
bis[2-Ethylhexyl]phthalate (ug/L)	CRL-9	25.4	8/14/2025	5.3ND	No	57	n/a	n/a	93	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
bis[2-Ethylhexyl]phthalate (ug/L)	MW-14	25.4	8/14/2025	5.3ND	No	57	n/a	n/a	93	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
bis[2-Ethylhexyl]phthalate (ug/L)	MW-22	25.4	8/14/2025	4.715ND	No	57	n/a	n/a	93	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
bis[2-Ethylhexyl]phthalate (ug/L)	MW-33	25.4	8/20/2025	5.55ND	No	57	n/a	n/a	93	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
bis[2-Ethylhexyl]phthalate (ug/L)	MW-36	25.4	8/19/2025	5ND	No	57	n/a	n/a	93	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	AW-6	0.000824	8/20/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	CRL-9	0.000824	8/14/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-14	0.000824	8/14/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-22	0.000824	8/14/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-33	0.000824	8/20/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-36	0.000824	8/19/2025	0.0001ND	No	54	n/a	n/a	98	n/a	n/a	0.0006254	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-14	0.0008303	8/14/2025	0.000888	Yes	44	-8.341	0.5319	20	Kaplan-Meier	ln(x)	0.0002508	Param Inter 1 of 2
Cobalt (mg/L)	MW-33	0.0008303	8/20/2025	0.00114	Yes	44	-8.341	0.5319	20	Kaplan-Meier	ln(x)	0.0002508	Param Inter 1 of 2
Cobalt (mg/L)	MW-36	0.0008303	8/19/2025	0.00131	Yes	44	-8.341	0.5319	20	Kaplan-Meier	ln(x)	0.0002508	Param Inter 1 of 2
Copper (mg/L)	AW-6	0.0108	8/20/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	CRL-9	0.0108	8/14/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-14	0.0108	8/14/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-22	0.0108	8/14/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-33	0.0108	8/20/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-36	0.0108	8/19/2025	0.0025ND	No	56	n/a	n/a	98	n/a	n/a	0.000585	NP Inter (NDs) 1 of 2
Nickel (mg/L)	AW-6	0.00735	8/20/2025	0.0289	Yes	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Nickel (mg/L)	CRL-9	0.00735	8/14/2025	0.0228	Yes	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-14	0.00735	8/14/2025	0.0155	Yes	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-22	0.00735	8/14/2025	0.0357	Yes	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-33	0.00735	8/20/2025	0.00623	No	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-36	0.00735	8/19/2025	0.00856	Yes	44	n/a	n/a	57	n/a	n/a	0.0009157	NP Inter (NDs) 1 of 2
Tin (mg/L)	AW-6	0.109	8/20/2025	0.0025ND	No	57	n/a	n/a	95	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Tin (mg/L)	CRL-9	0.109	8/14/2025	0.0025ND	No	57	n/a	n/a	95	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-14	0.109	8/14/2025	0.00378J	No	57	n/a	n/a	95	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-22	0.109	8/14/2025	0.0025ND	No	57	n/a	n/a	95	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-33	0.109	8/20/2025	0.0025ND	No	57	n/a	n/a	95	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-36	0.109	8/19/2025	0.0025ND	No	57	n/a	n/a	95	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Zinc (mg/L)	AW-6	0.0366	8/20/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2

Deeper Bedrock

Interwell Prediction Limit [(1)]

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Corrective Action Monitoring Locations - Assessment Constituents Continued													
Zinc (mg/L)	CRL-9	0.0366	8/14/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-14	0.0366	8/14/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-22	0.0366	8/14/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-33	0.0366	8/20/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-36	0.0366	8/19/2025	0.01ND	No	57	n/a	n/a	91	n/a	n/a	0.0005648	NP Inter (NDs) 1 of 2

[(1)] Interwell prediction limit data consists of the detected Appendix I and II parameters in the combined MW-38 and MW-101B data set. Note that background data set adjustments were incorporated in accordance with Section 3.1 of the Fall 2025 Statistical Evaluation memo.

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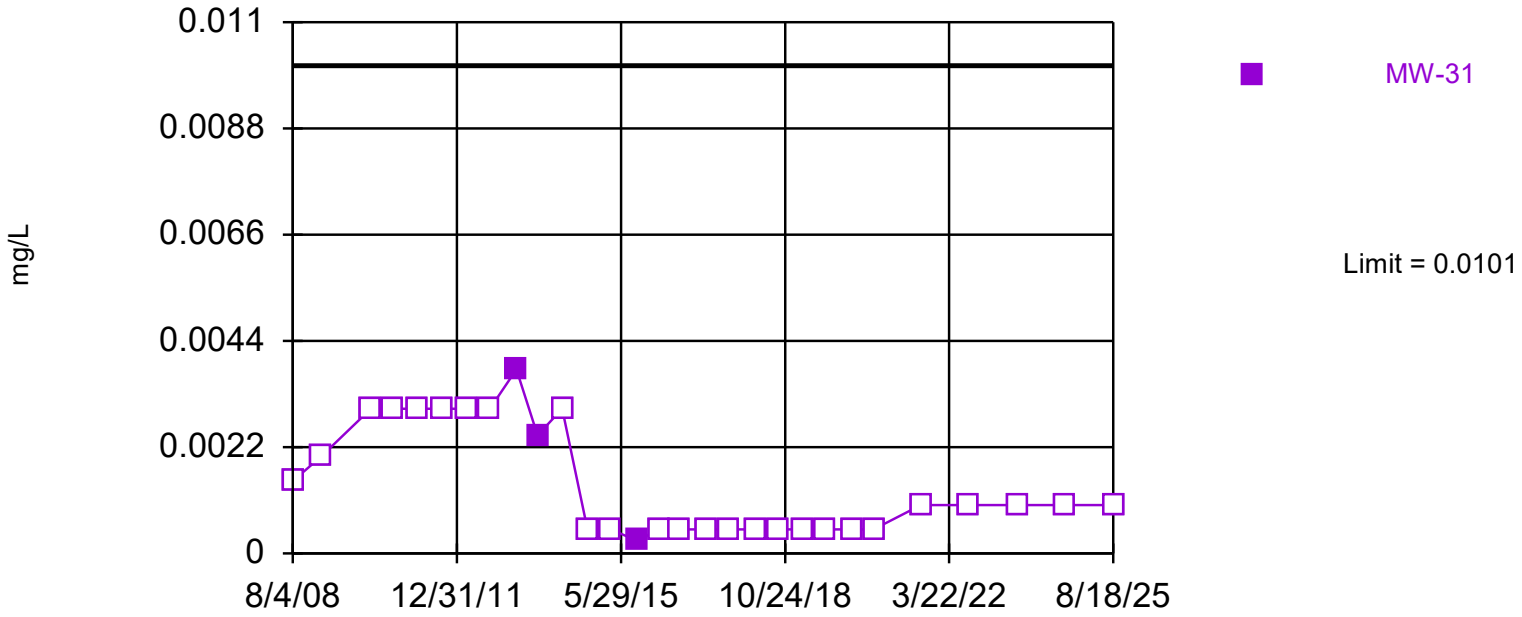
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Detection Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 55 background values. 96.36% NDs. Annual per-constituent alpha = 0.02511. Individual comparison alpha = 0.0006052 (1 of 2).

Constituent: Antimony Analysis Run 10/21/2025 12:04 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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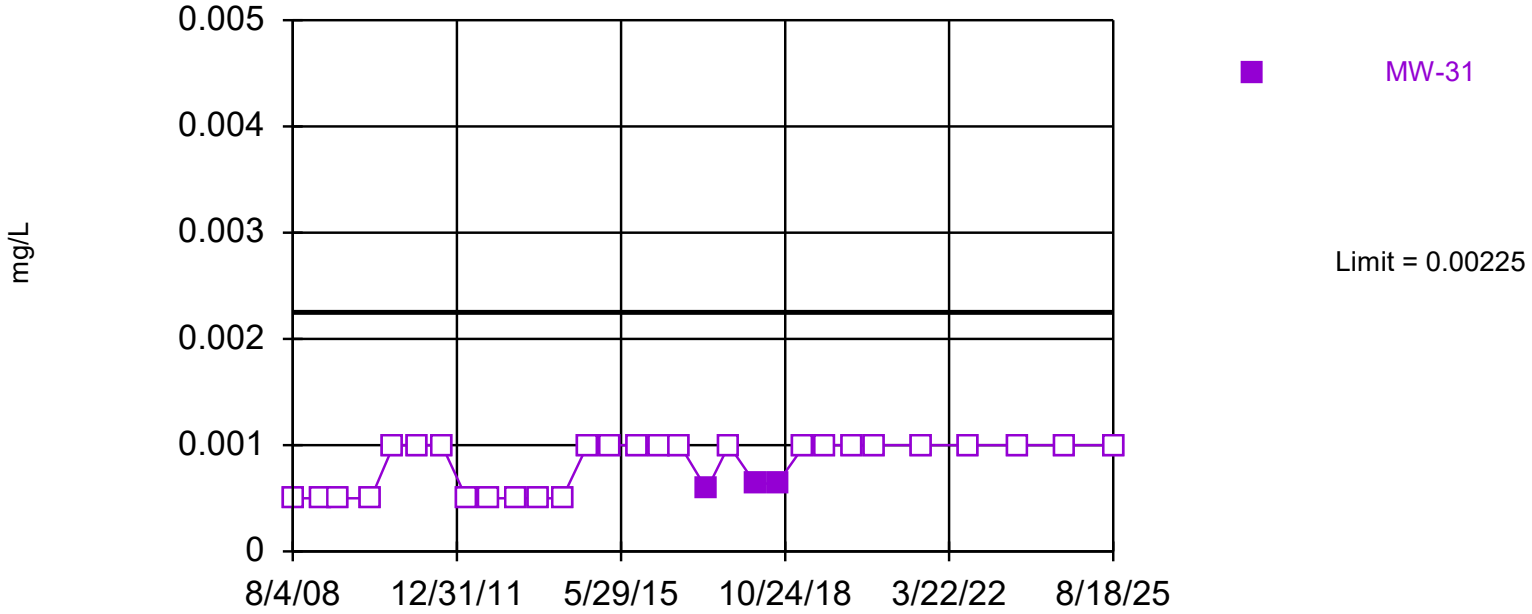
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Detection Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 57 background values. 35.09% NDs. Annual per-constituent alpha = 0.02345. Individual comparison alpha = 0.0005648 (1 of 2).

Constituent: Arsenic Analysis Run 10/21/2025 12:04 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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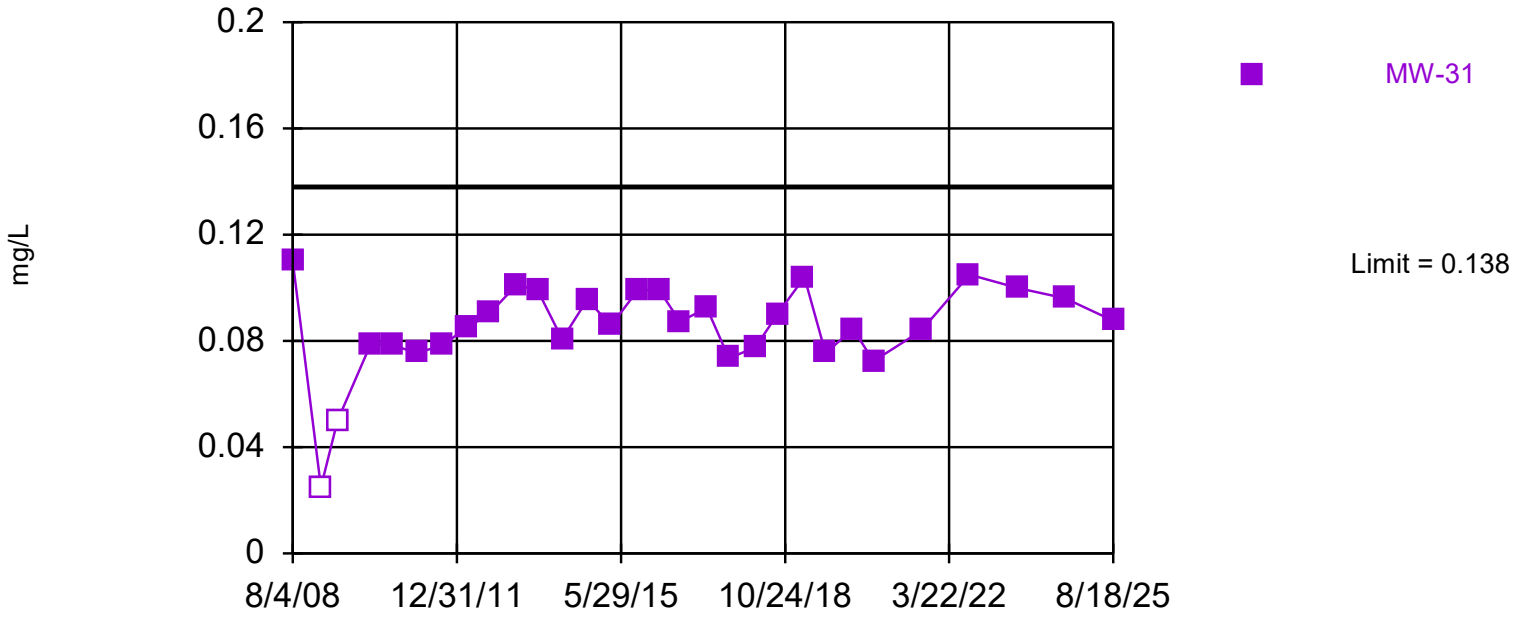
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Detection Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 53 background values. Annual per-constituent alpha = 0.02676. Individual comparison alpha = 0.0006457 (1 of 2).

Constituent: Barium Analysis Run 10/21/2025 12:04 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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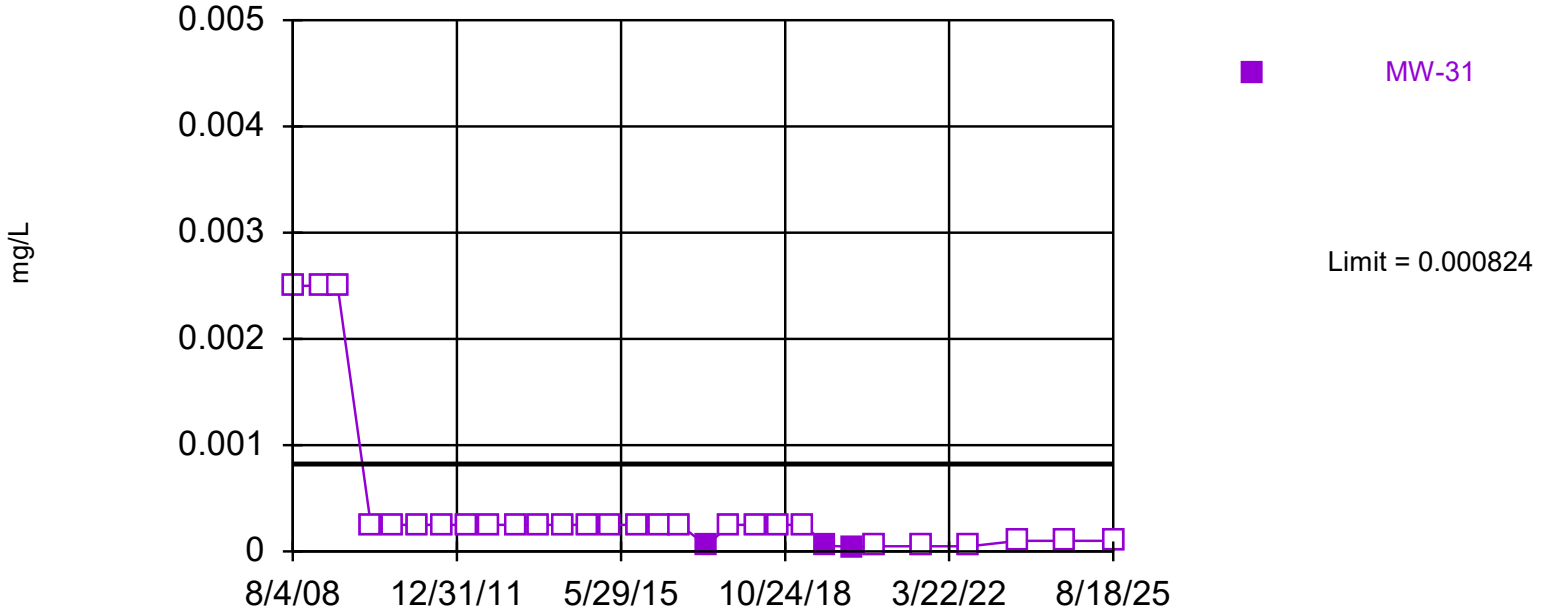
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Detection Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 54 background values. 98.15% NDs. Annual per-constituent alpha = 0.02593. Individual comparison alpha = 0.0006254 (1 of 2).

Constituent: Cadmium Analysis Run 10/21/2025 12:04 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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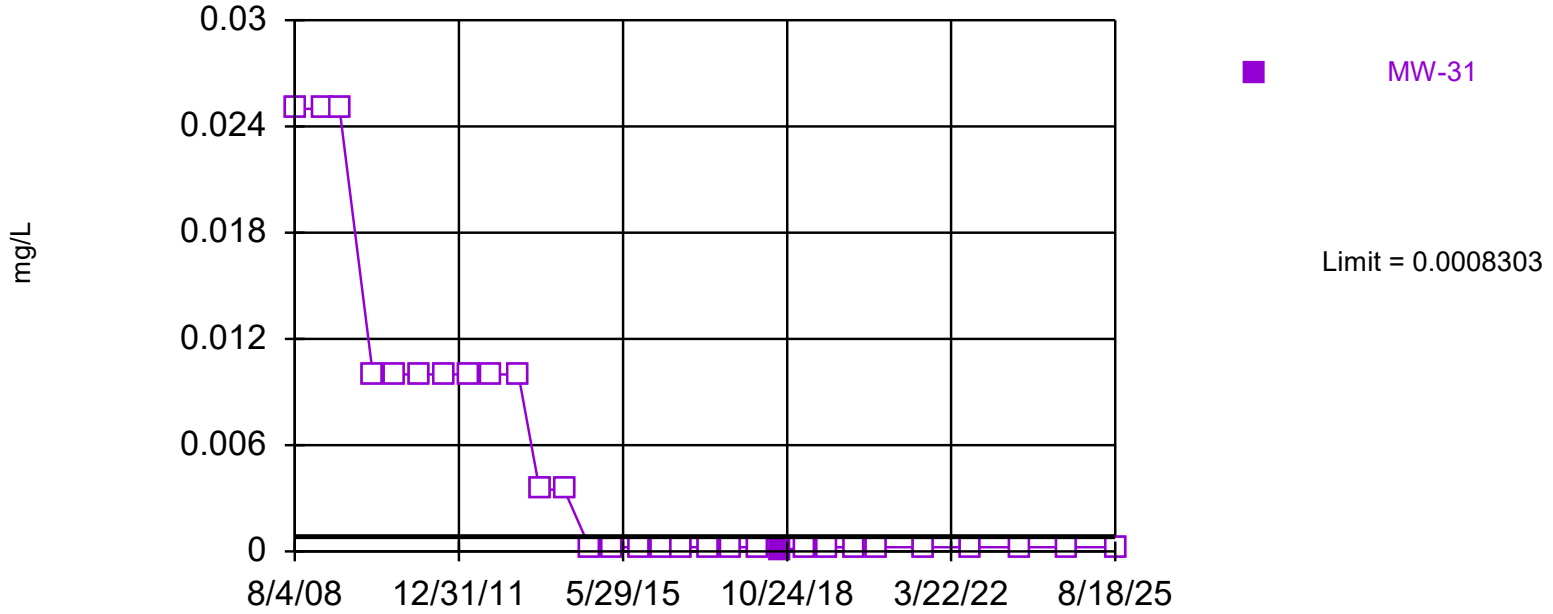
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Detection Monitoring

Interwell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-8.341, Std. Dev.=0.5319, n=44, 20.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9588, critical = 0.924. Kappa = 2.344 (c=10, w=42, 1 of 2, event alpha = 0.1). Report alpha = 0.01048. Individual comparison alpha = 0.0002508.

Constituent: Cobalt Analysis Run 10/21/2025 12:04 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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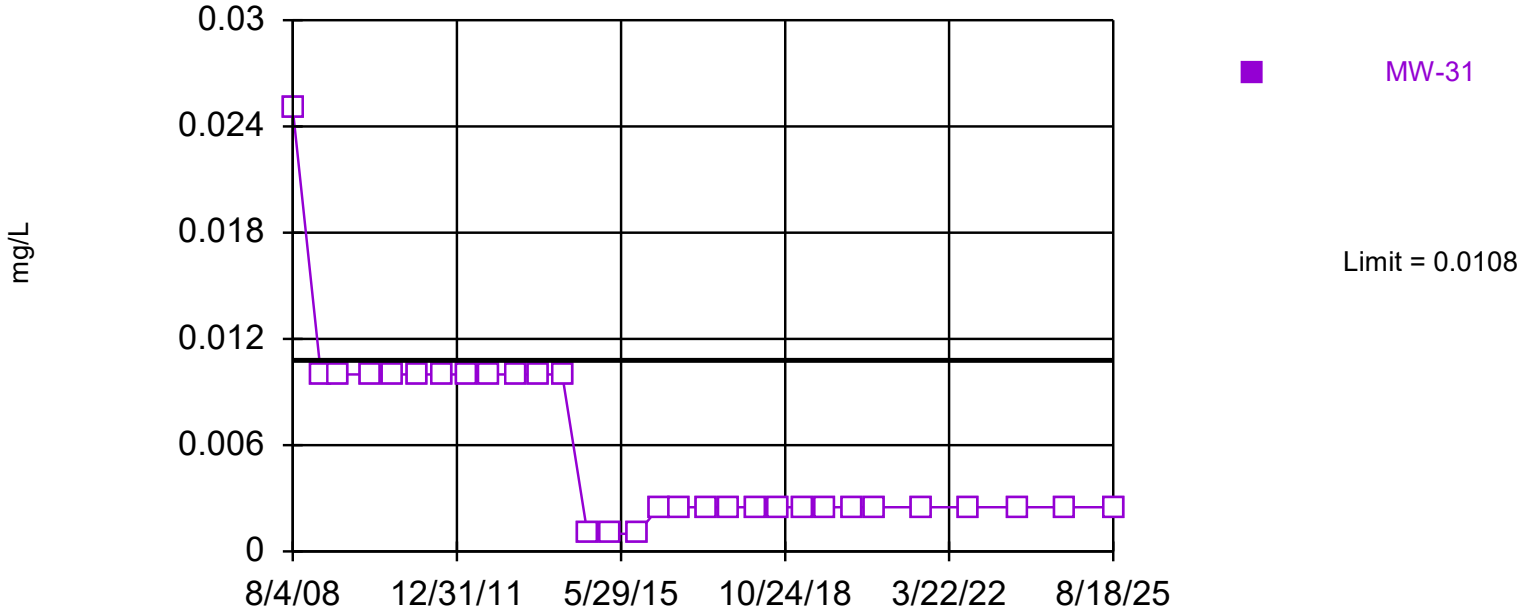
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Detection Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 98.21% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.000585 (1 of 2).

Constituent: Copper Analysis Run 10/21/2025 12:04 PM

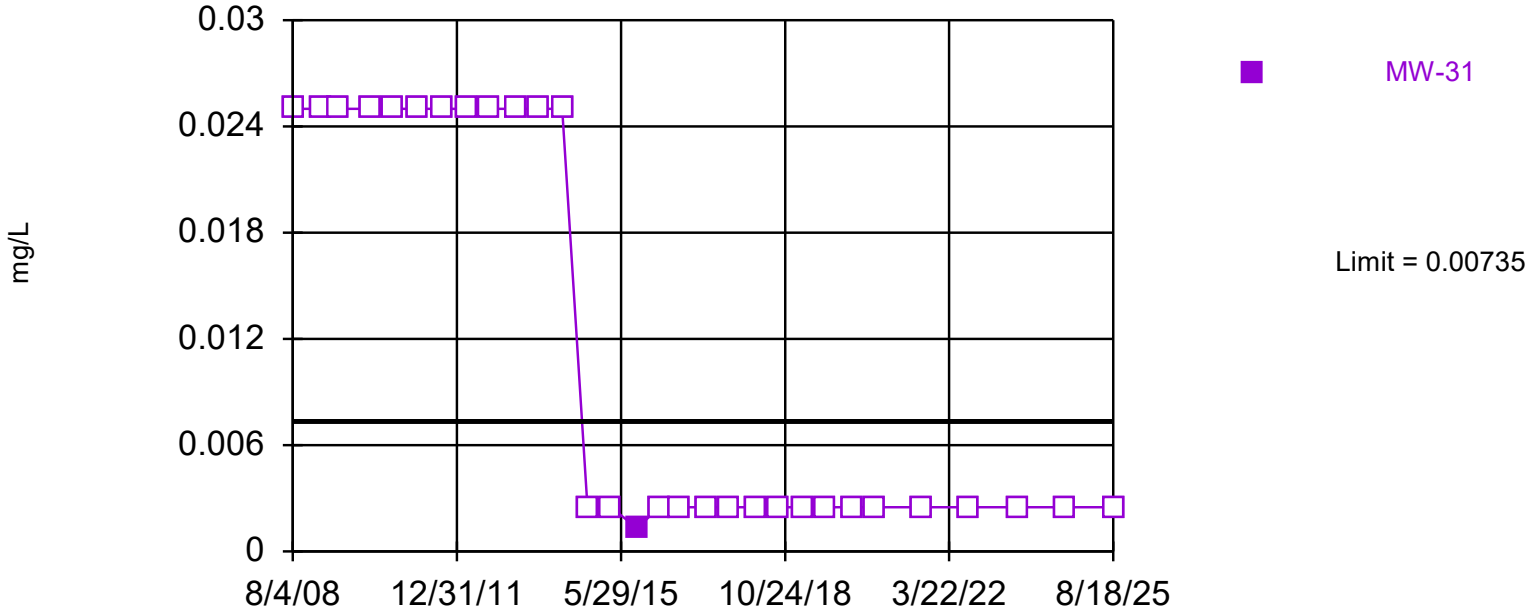
Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Detection Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 56.82% NDs. Annual per-constituent alpha = 0.03775. Individual comparison alpha = 0.0009157 (1 of 2).

Constituent: Nickel Analysis Run 10/21/2025 12:04 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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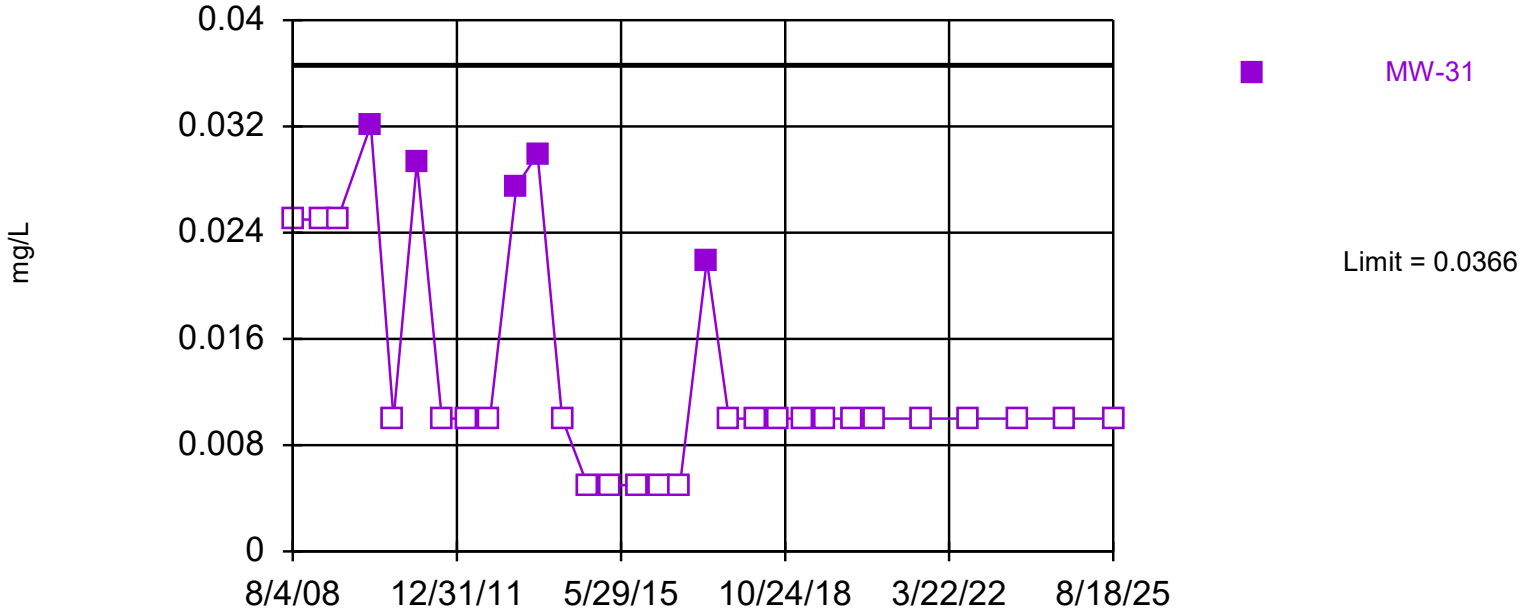
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Detection Monitoring

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 57 background values. 91.23% NDs. Annual per-constituent alpha = 0.02345. Individual comparison alpha = 0.0005648 (1 of 2).

Constituent: Zinc Analysis Run 10/21/2025 12:04 PM

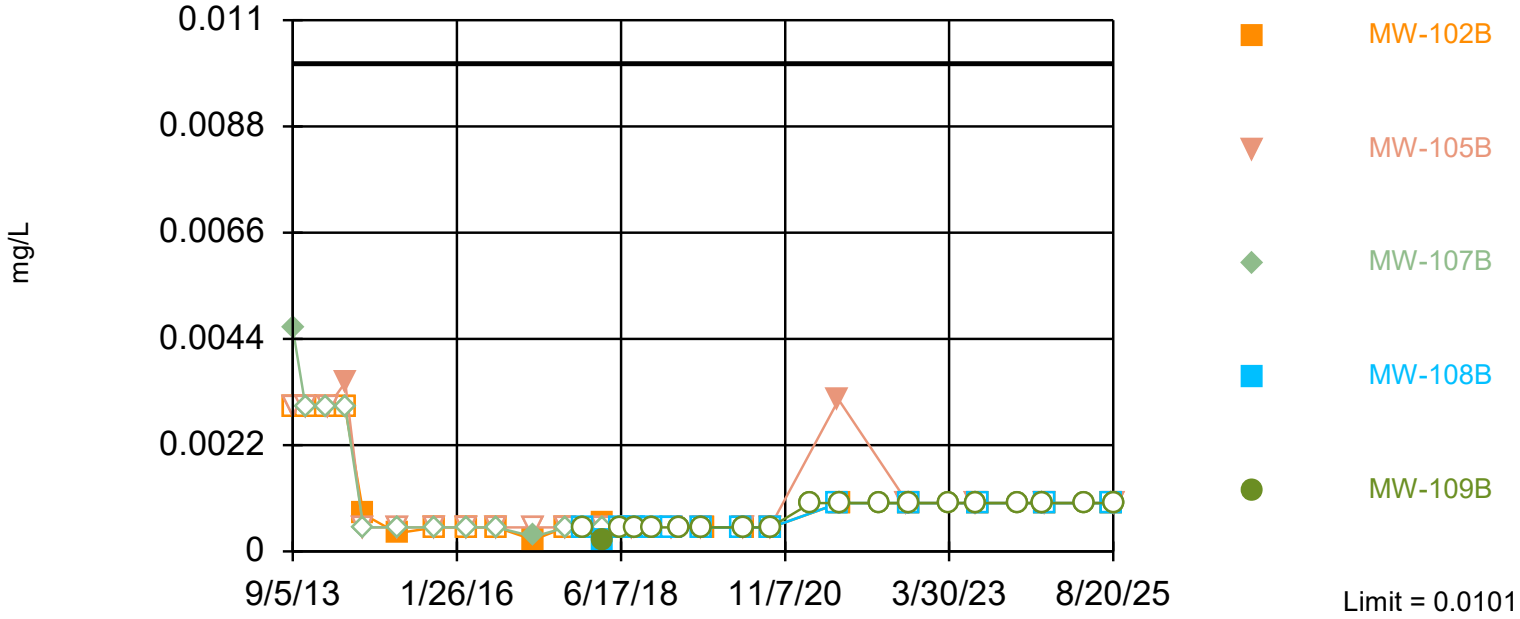
Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Delineation Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 55 background values. 96.36% NDs. Annual per-constituent alpha = 0.02511. Individual comparison alpha = 0.0006052 (1 of 2).

Constituent: Antimony Analysis Run 10/21/2025 1:33 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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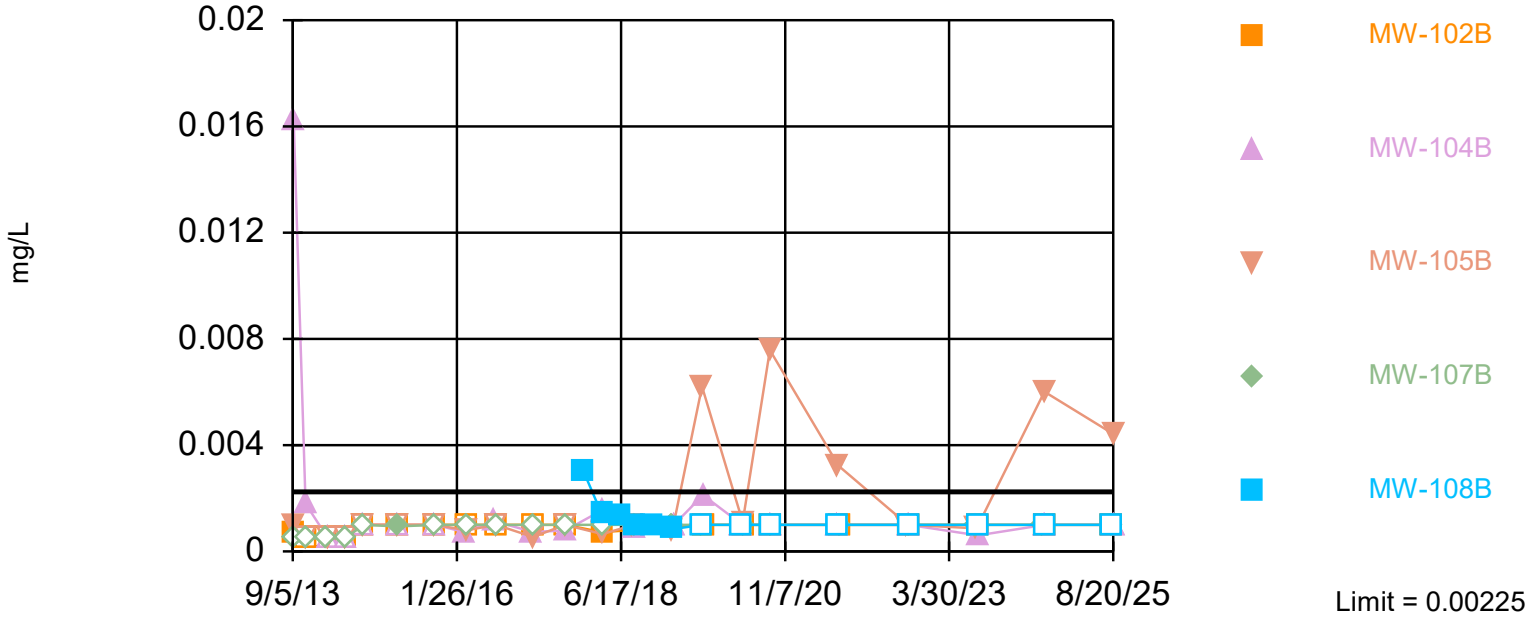
Hollow symbols indicate censored values.

Exceeds Limit: MW-105B

Prediction Limit - Delineation Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 57 background values. 35.09% NDs. Annual per-constituent alpha = 0.02345. Individual comparison alpha = 0.0005648 (1 of 2).

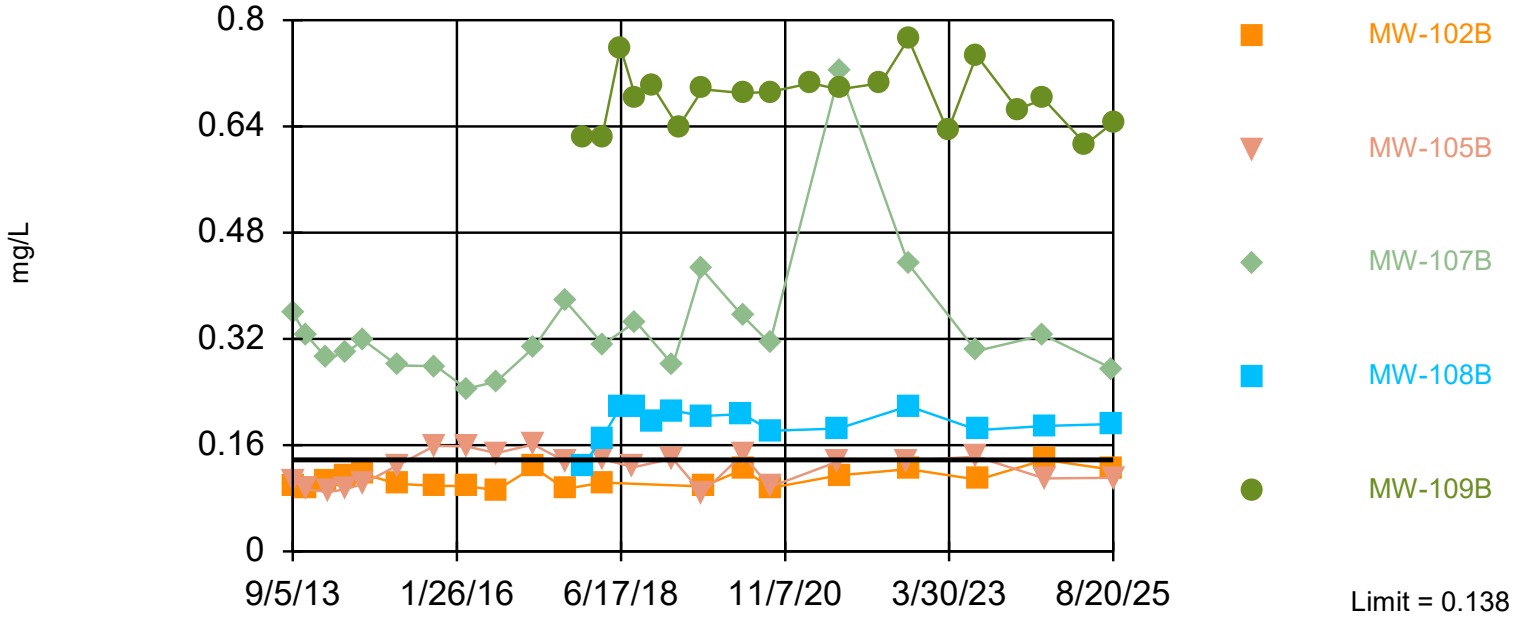
Constituent: Arsenic Analysis Run 10/21/2025 4:22 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Exceeds Limit: MW-107B, MW-108B, MW-109B

Prediction Limit - Delineation Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 53 background values. Annual per-constituent alpha = 0.02676. Individual comparison alpha = 0.0006457 (1 of 2).

Constituent: Barium Analysis Run 10/21/2025 1:33 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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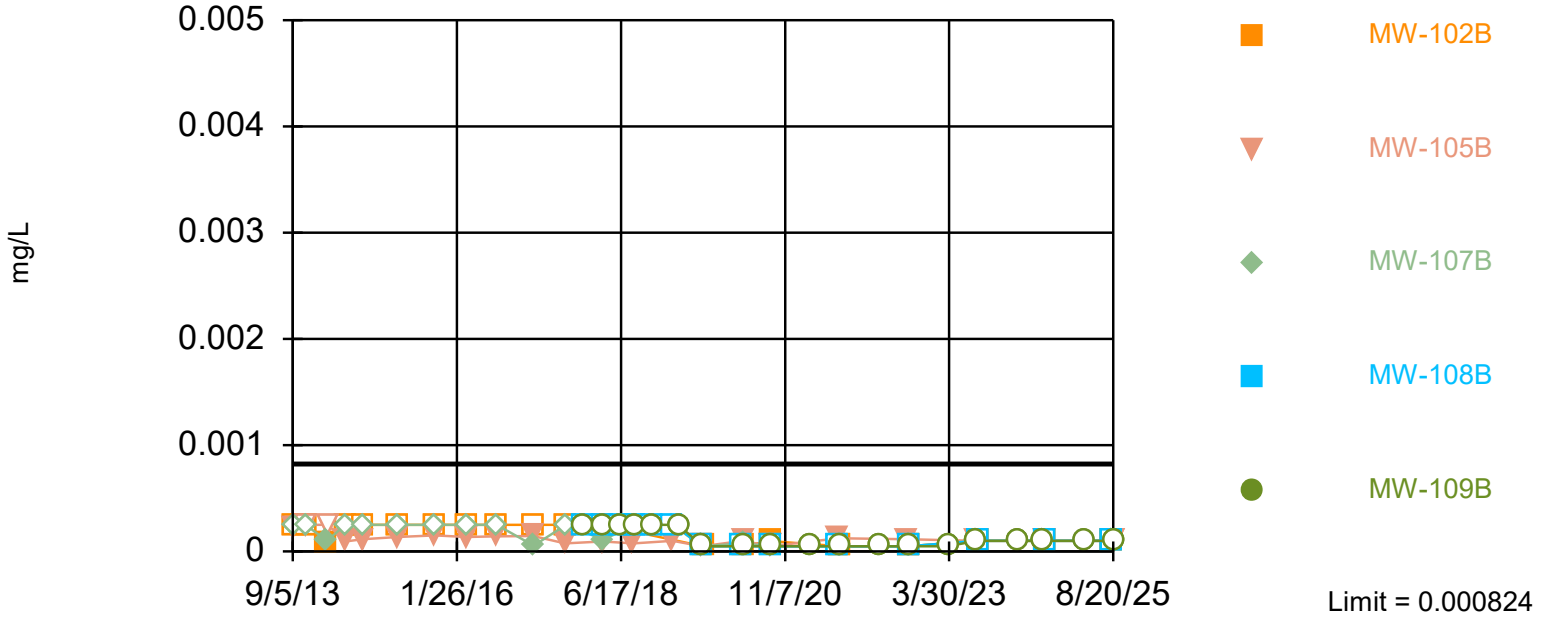
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Delineation Monitoring
Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 54 background values. 98.15% NDs. Annual per-constituent alpha = 0.02593. Individual comparison alpha = 0.0006254 (1 of 2).

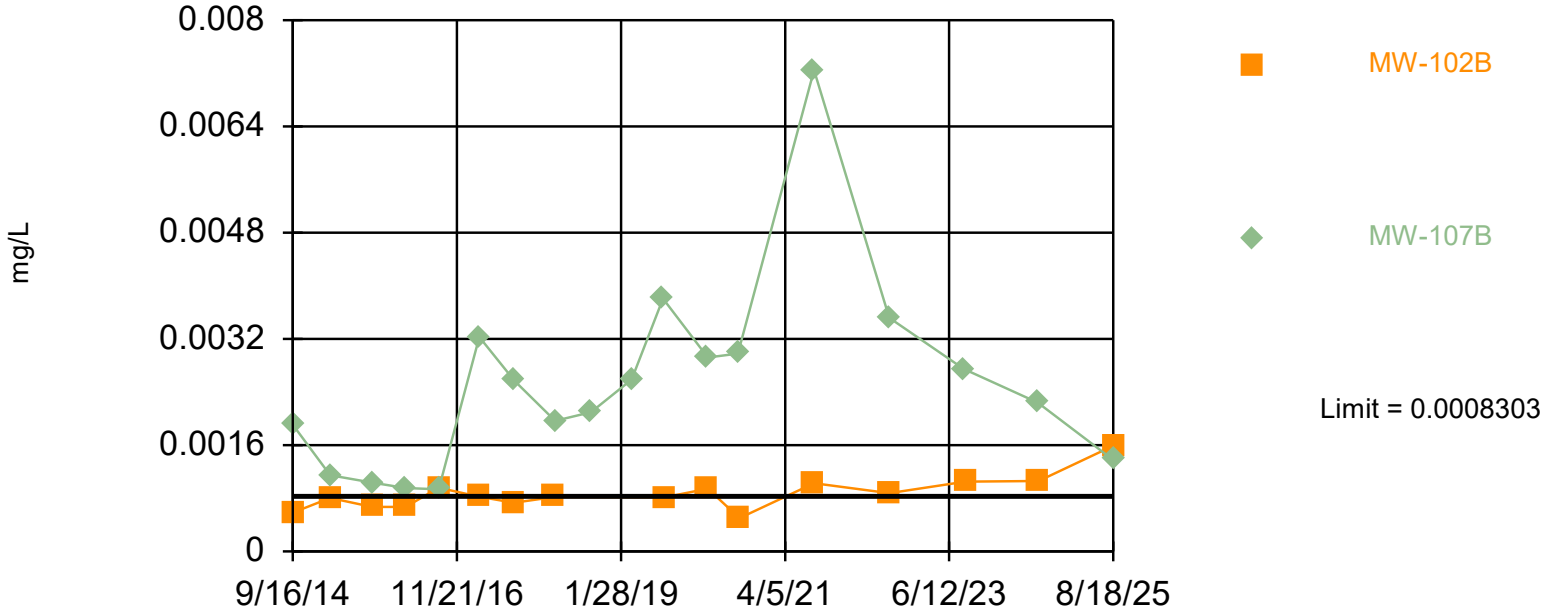
Constituent: Cadmium Analysis Run 10/21/2025 1:33 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Exceeds Limit: MW-102B, MW-107B

Prediction Limit - Delineation Monitoring - Assessment Constituents

Interwell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-8.341, Std. Dev.=0.5319, n=44, 20.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9588, critical = 0.924. Kappa = 2.344 (c=10, w=42, 1 of 2, event alpha = 0.1). Report alpha = 0.01048. Individual comparison alpha = 0.0002508.

Constituent: Cobalt Analysis Run 10/21/2025 4:25 PM

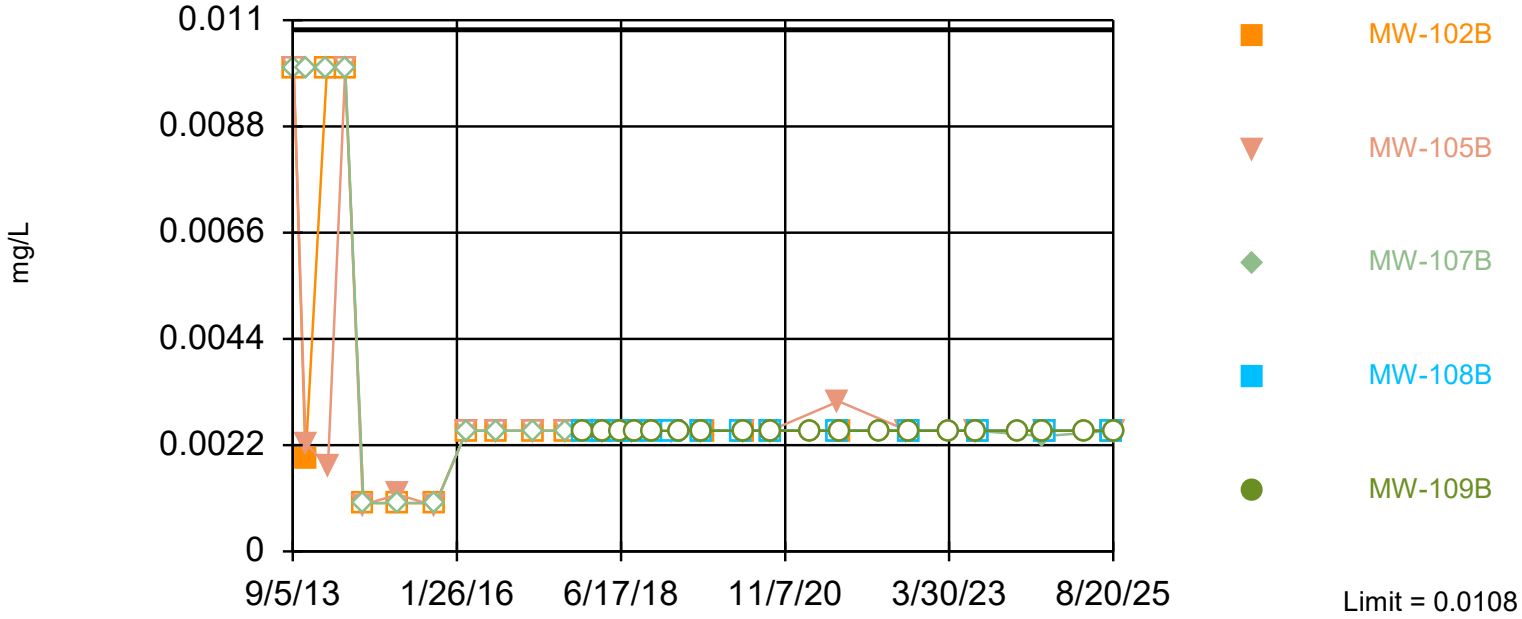
Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Delineation Monitoring

Interwell Non-parametric - Assessment Constituents



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Constituent: Copper Analysis Run 10/21/2025 1:33 PM

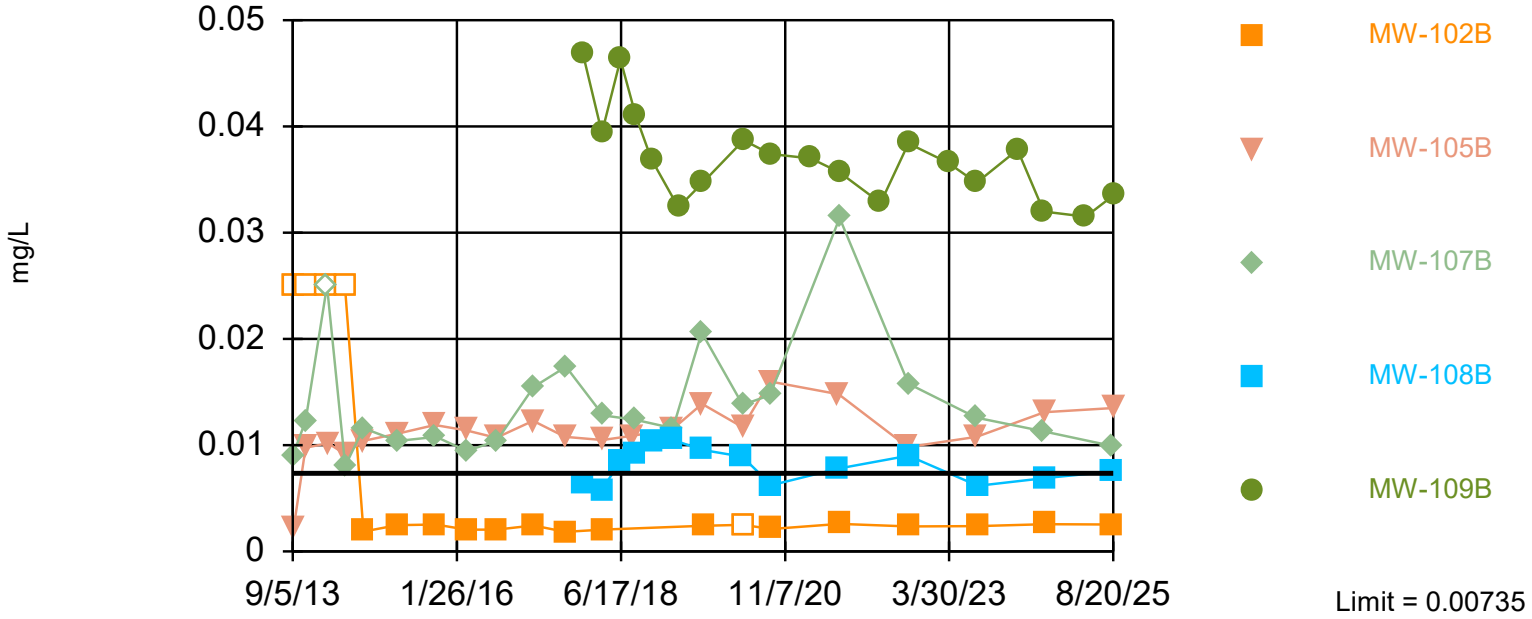
Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-105B, MW-107B, MW-108B, MW-109B

Prediction Limit - Delineation Monitoring

Interwell Non-parametric - Assessment Constituents



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Constituent: Nickel Analysis Run 10/21/2025 4:28 PM

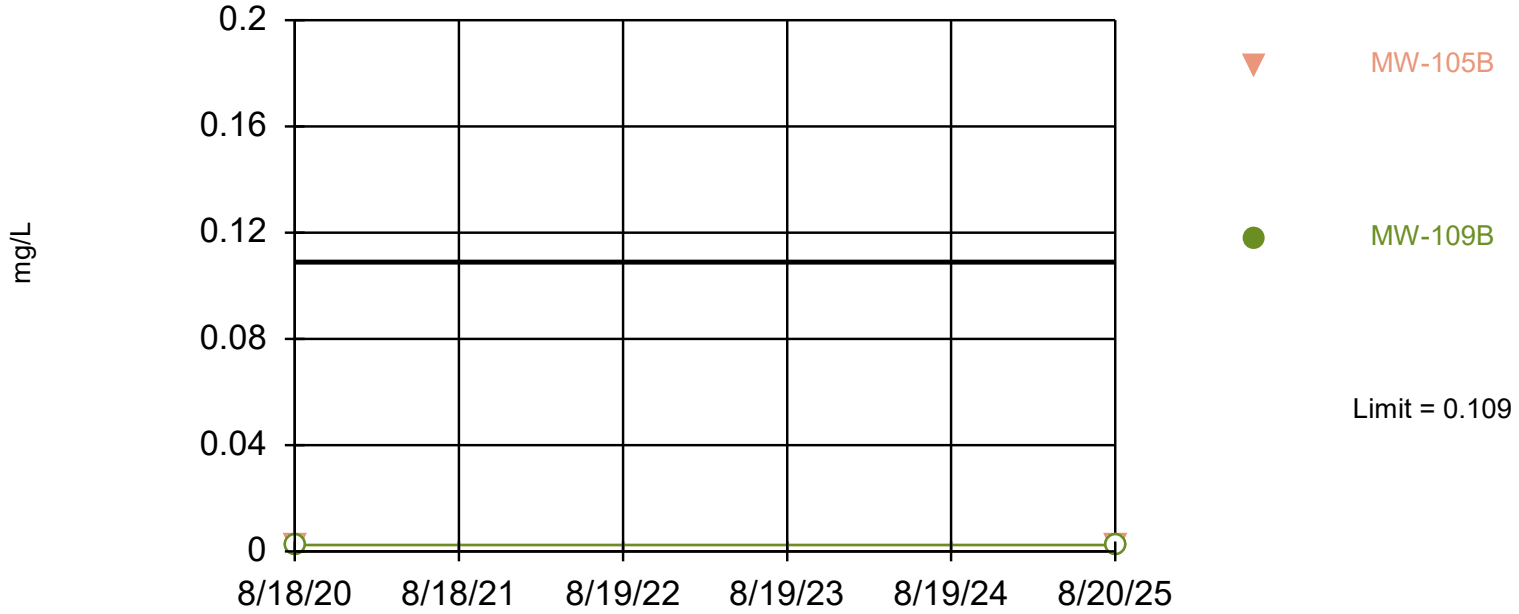
Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Delineation Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 57 background values. 94.74% NDs. Annual per-constituent alpha = 0.02345. Individual comparison alpha = 0.0005648 (1 of 2).

Constituent: Tin Analysis Run 10/21/2025 1:33 PM

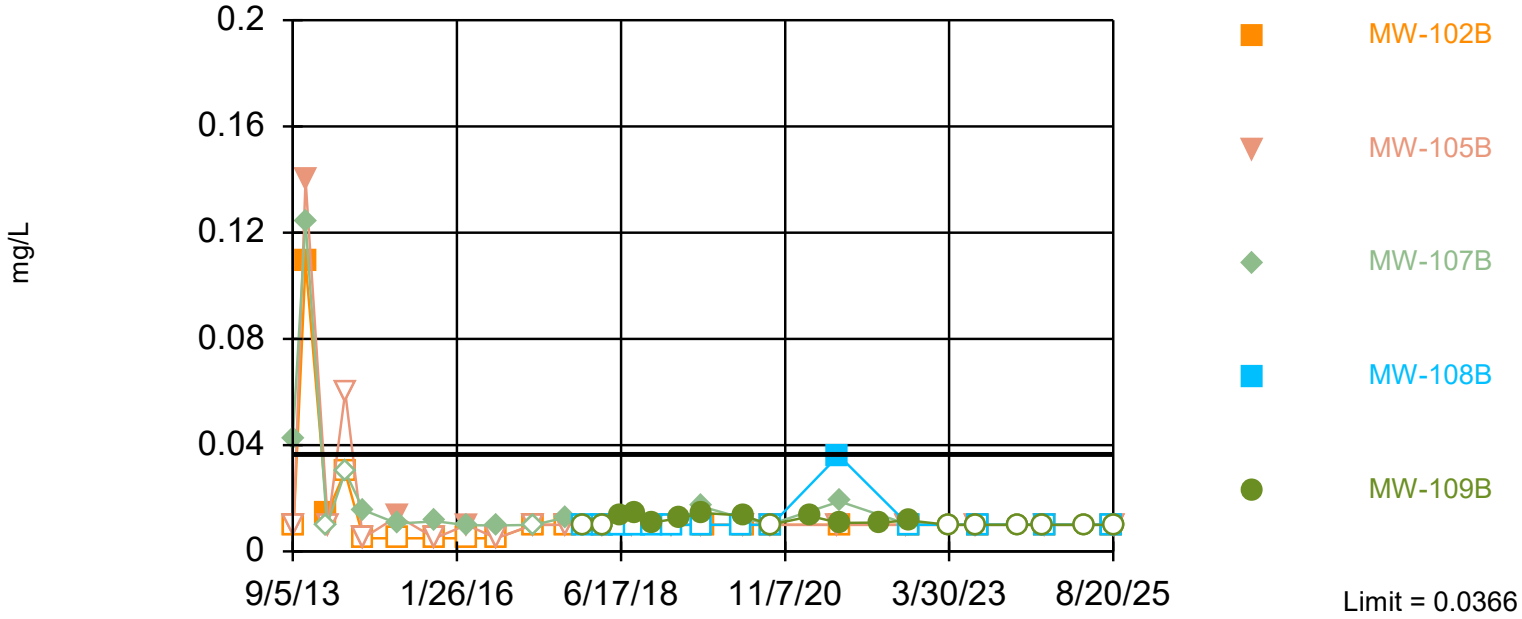
Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Delineation Monitoring

Interwell Non-parametric - Assessment Constituents



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Constituent: Zinc Analysis Run 10/21/2025 1:33 PM

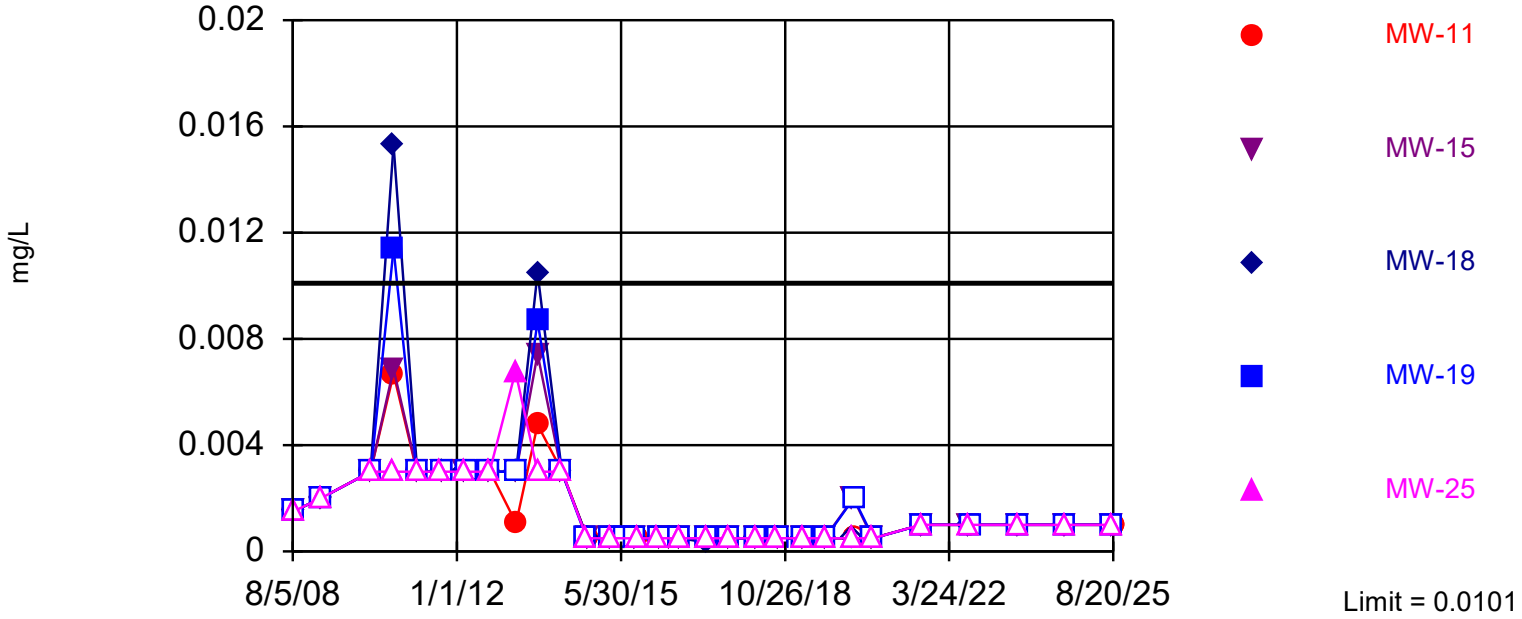
Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



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Constituent: Antimony Analysis Run 10/21/2025 2:03 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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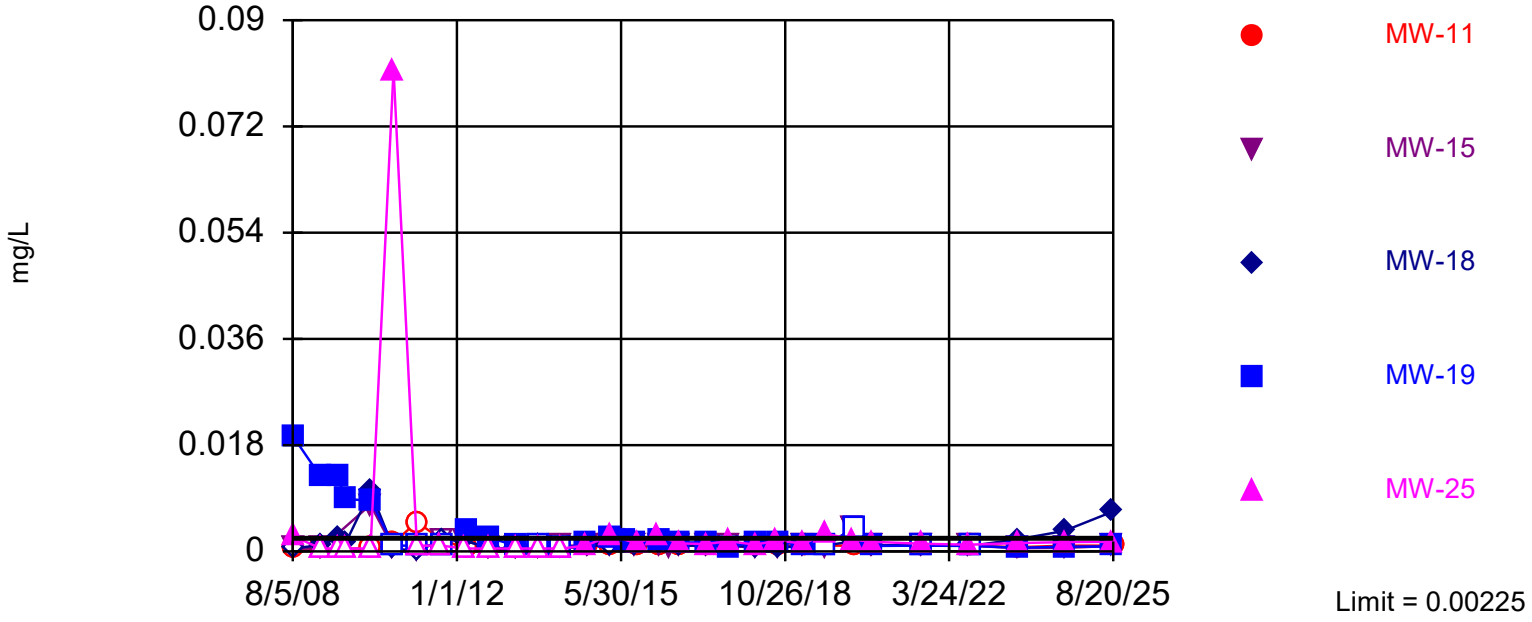
Hollow symbols indicate censored values.

Exceeds Limit: MW-18

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



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Constituent: Arsenic Analysis Run 10/21/2025 2:03 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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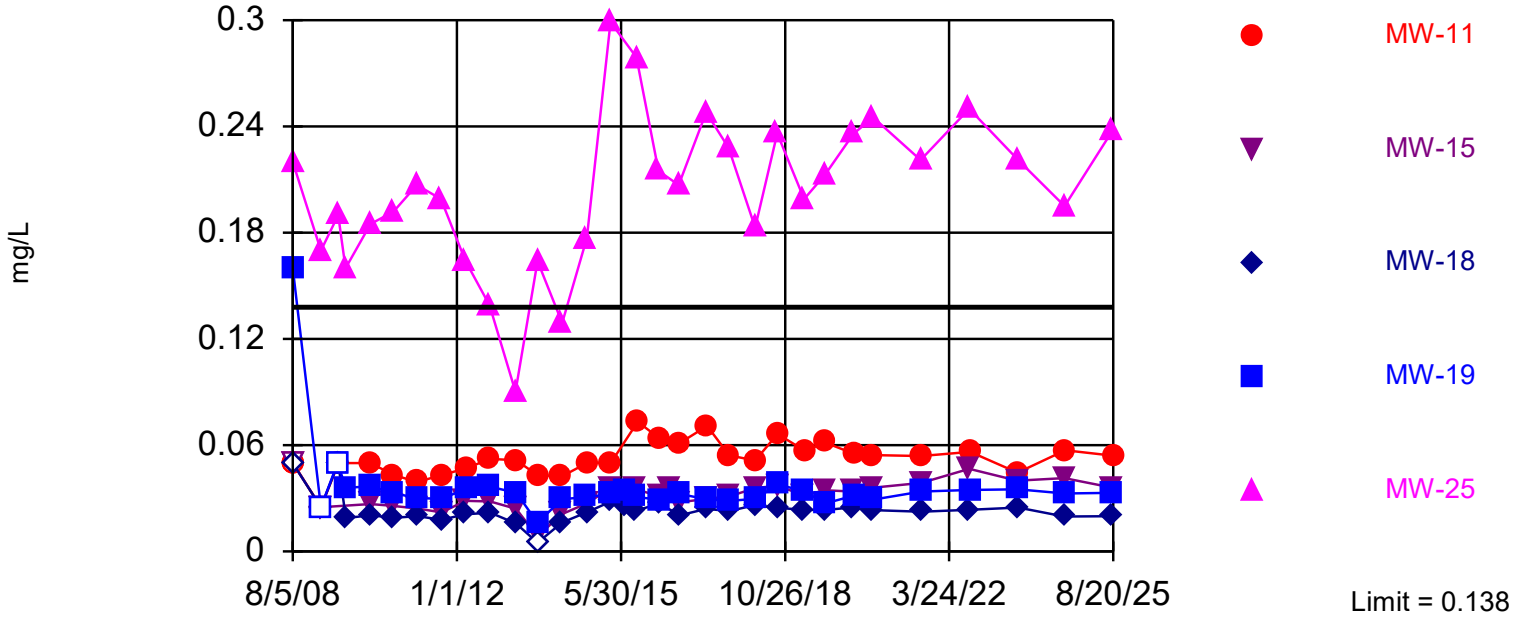
Hollow symbols indicate censored values.

Exceeds Limit: MW-25

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



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Constituent: Barium Analysis Run 10/21/2025 2:03 PM

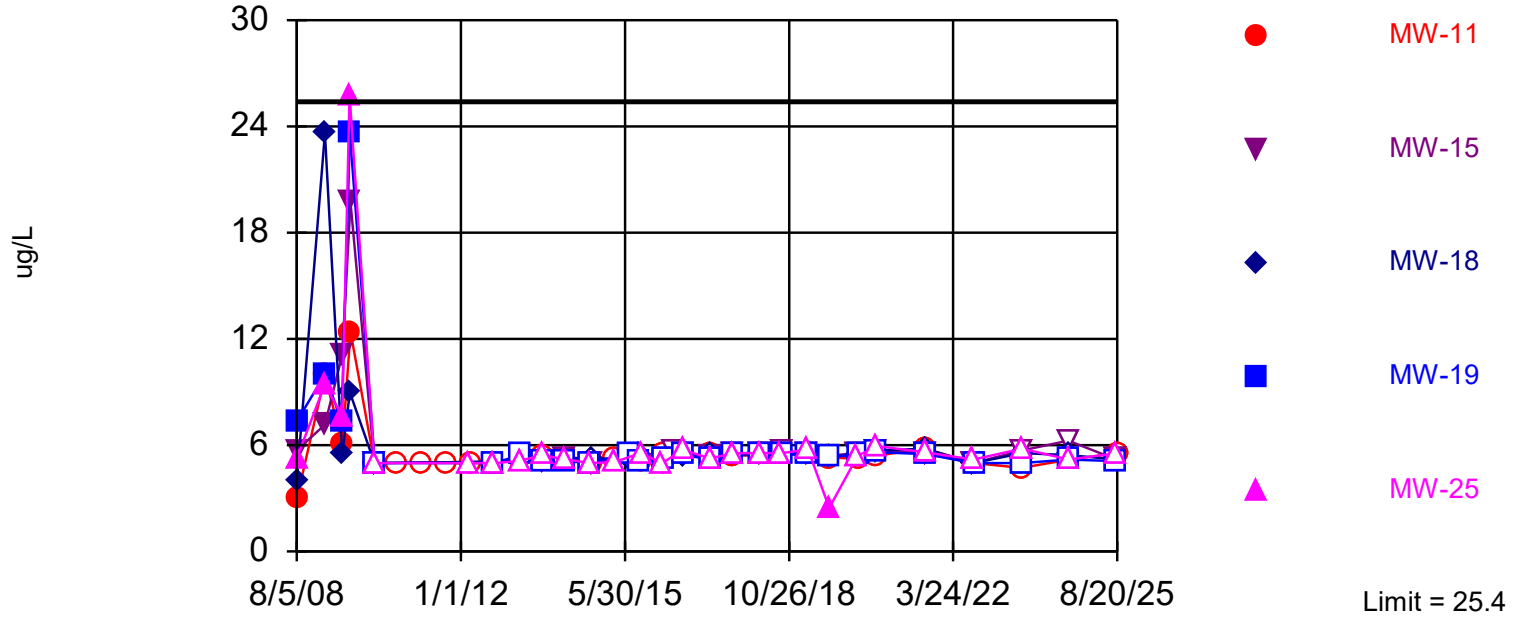
Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



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Constituent: bis[2-Ethylhexyl]phthalate Analysis Run 10/21/2025 2:03 PM

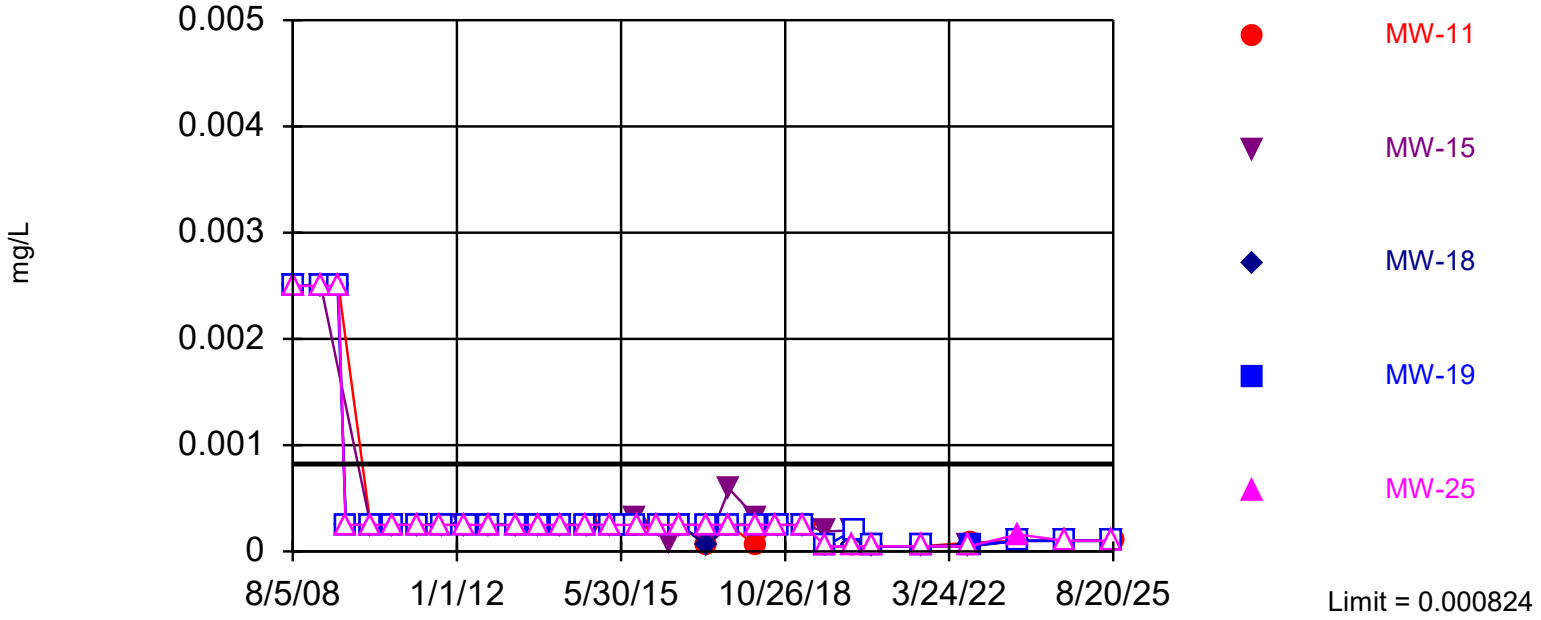
Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



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Constituent: Cadmium Analysis Run 10/21/2025 2:03 PM

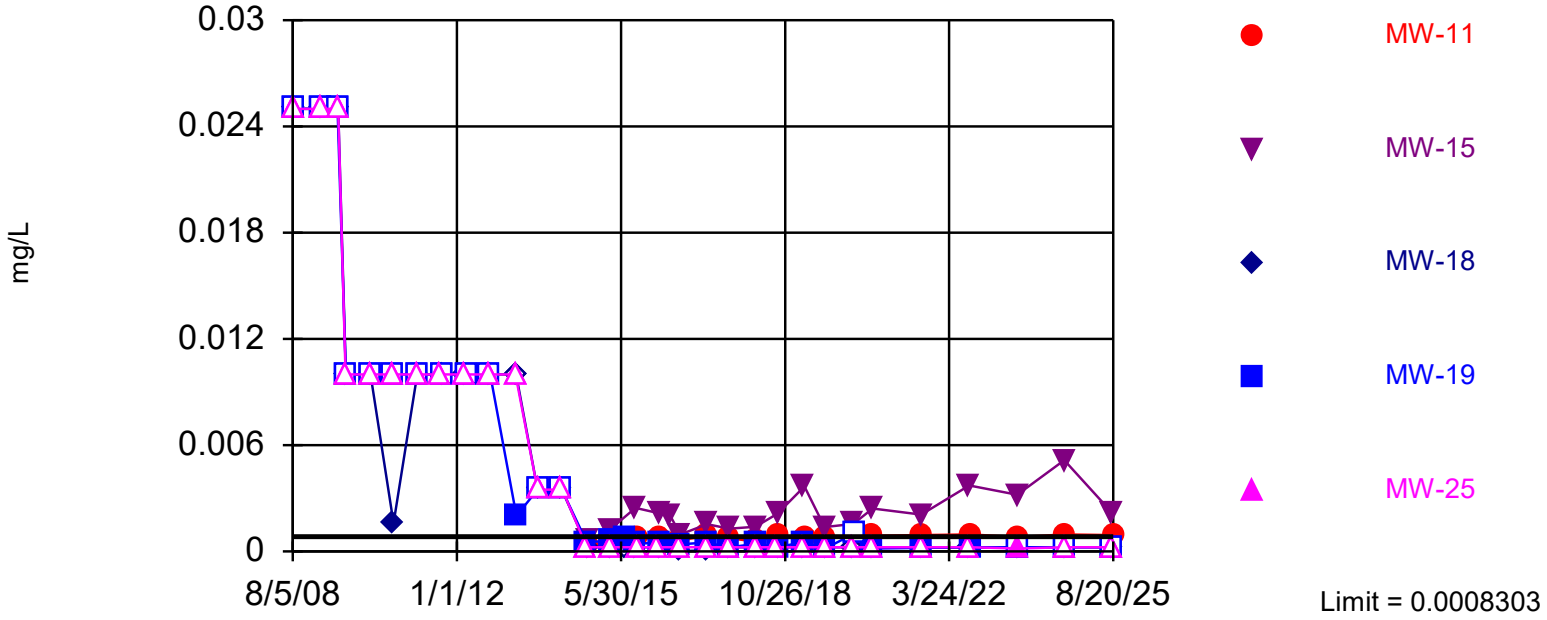
Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-11, MW-15

Prediction Limit - Assessment Monitoring

Interwell Parametric



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Constituent: Cobalt Analysis Run 10/21/2025 2:04 PM

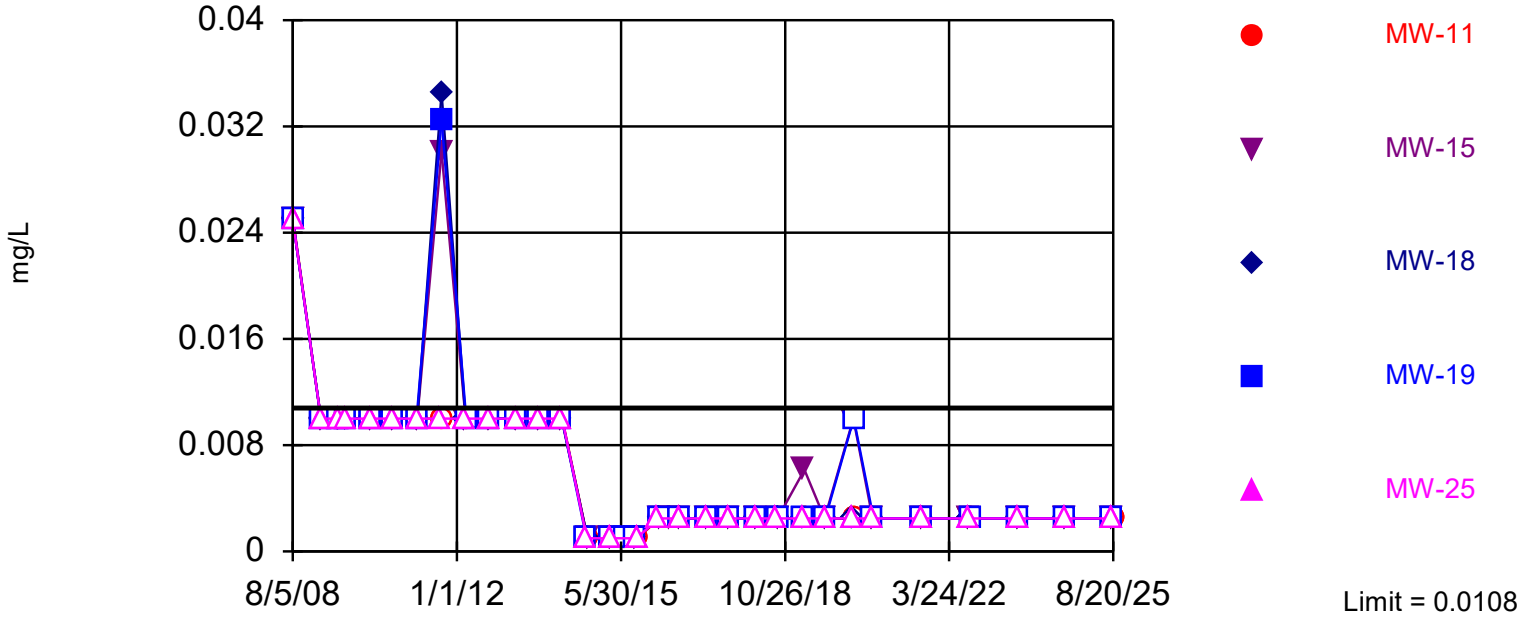
Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



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Constituent: Copper Analysis Run 10/21/2025 2:04 PM

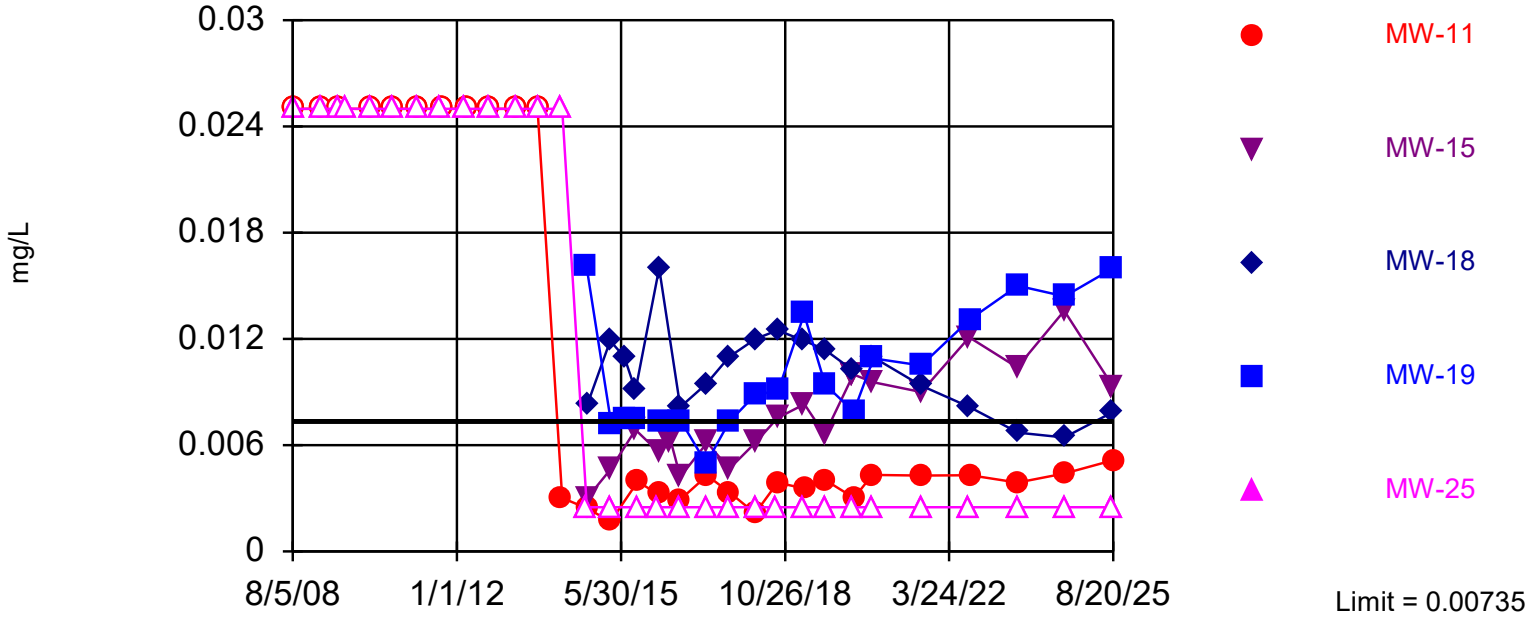
Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-15, MW-18, MW-19

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



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Constituent: Nickel Analysis Run 10/21/2025 2:04 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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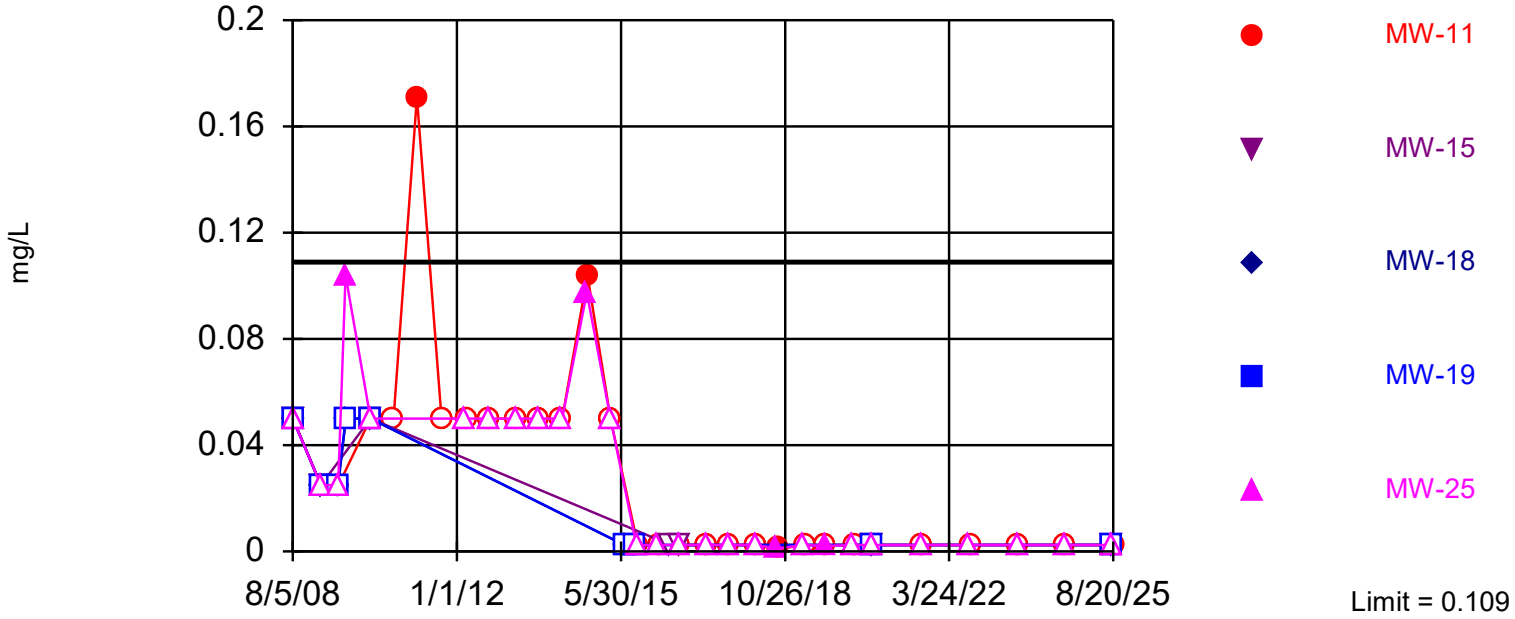
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



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Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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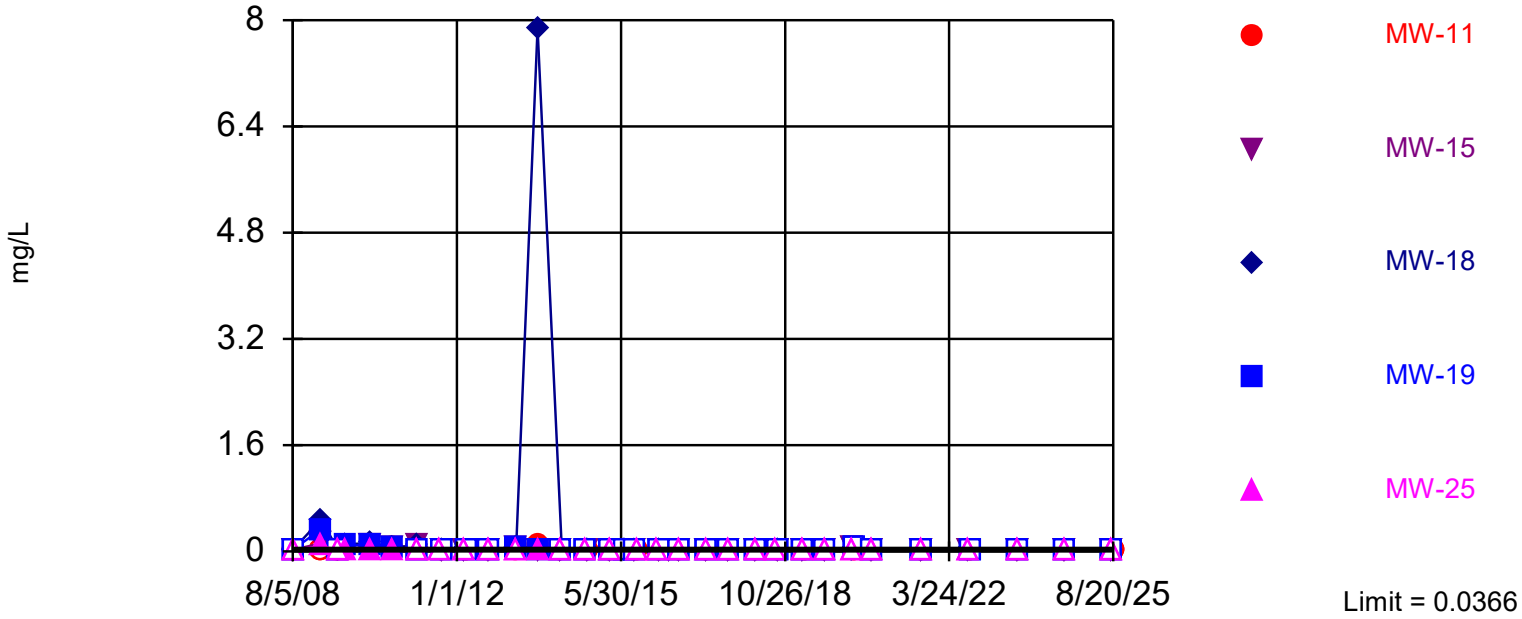
Within Limit

Prediction Limit - Assessment Monitoring

Interwell Non-parametric



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Constituent: Zinc Analysis Run 10/21/2025 2:04 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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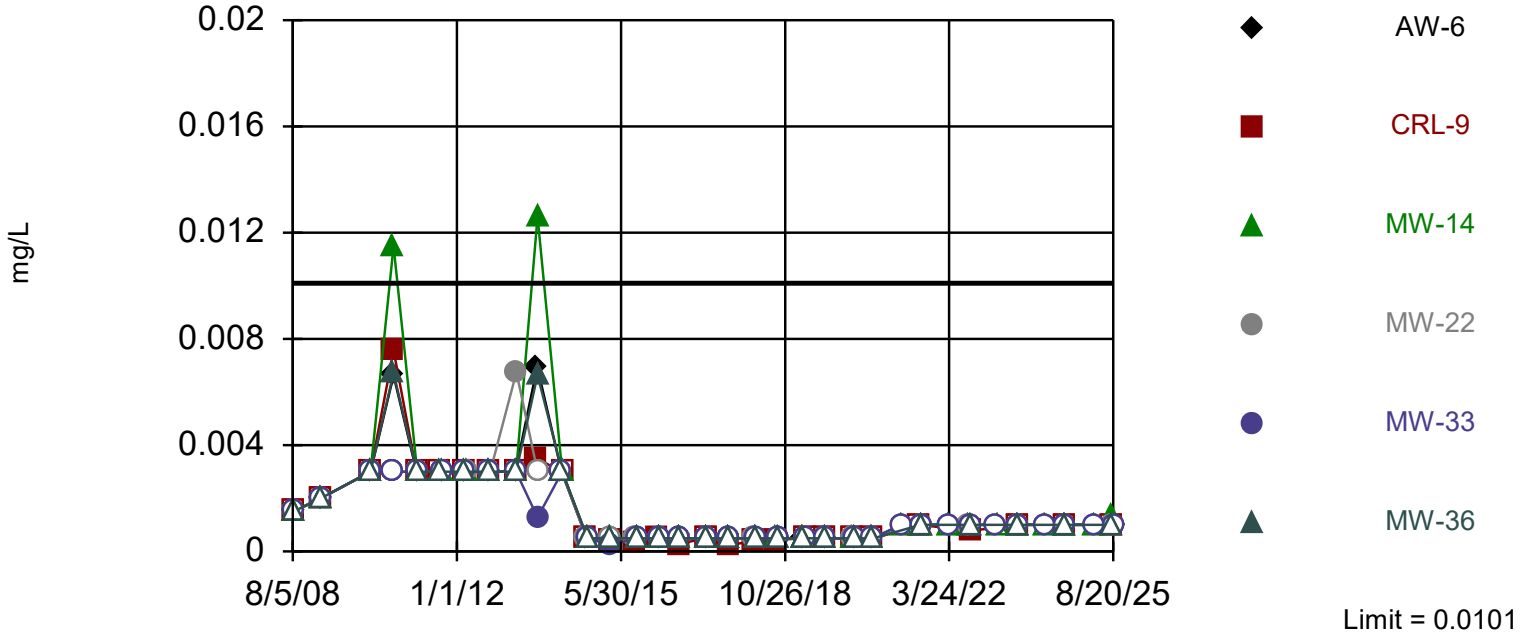
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



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Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
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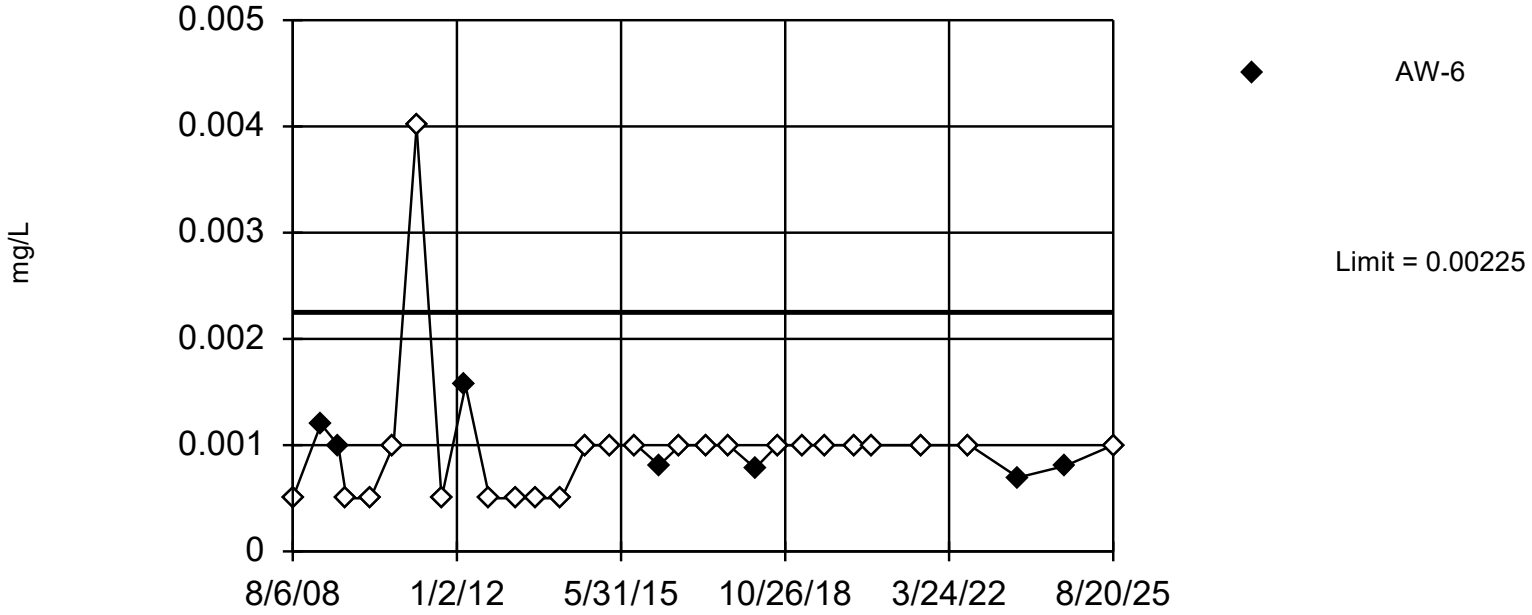
Within Limit

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



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Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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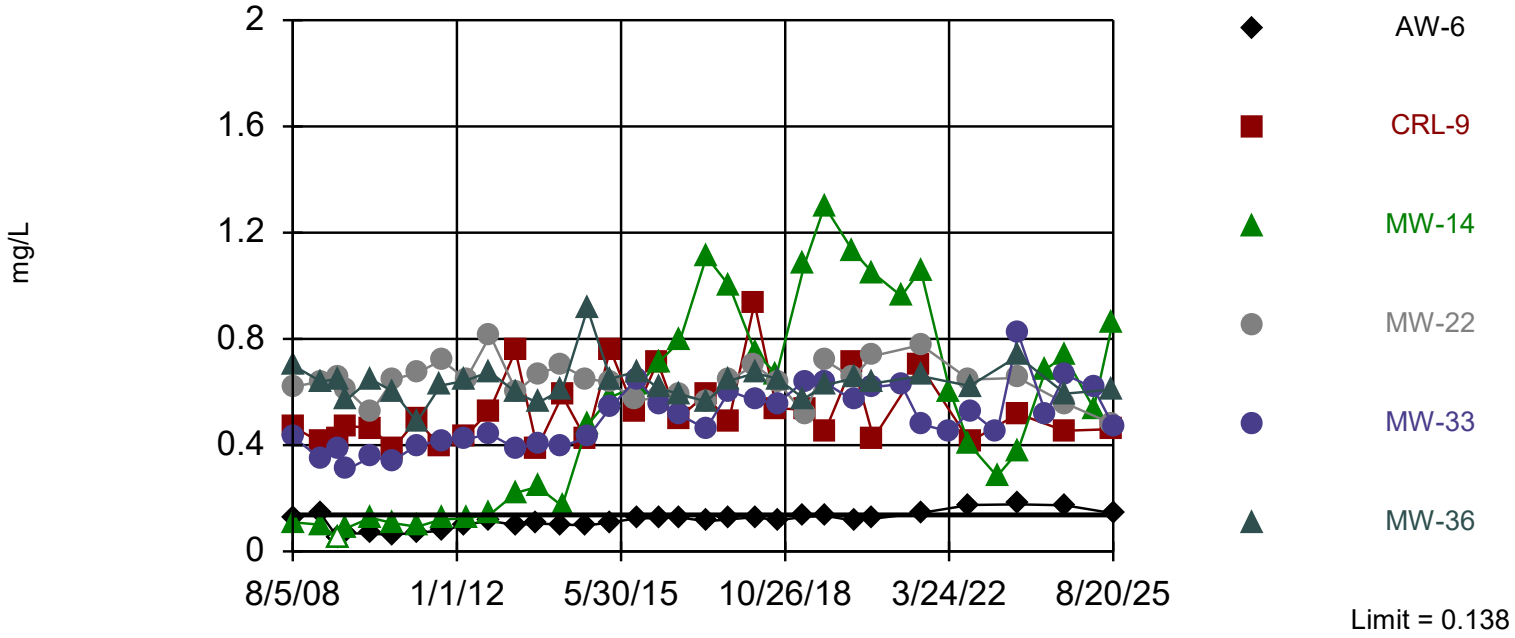
Hollow symbols indicate censored values.

Exceeds Limit: AW-6, CRL-9, MW-14, MW-22, MW-33, MW-36

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



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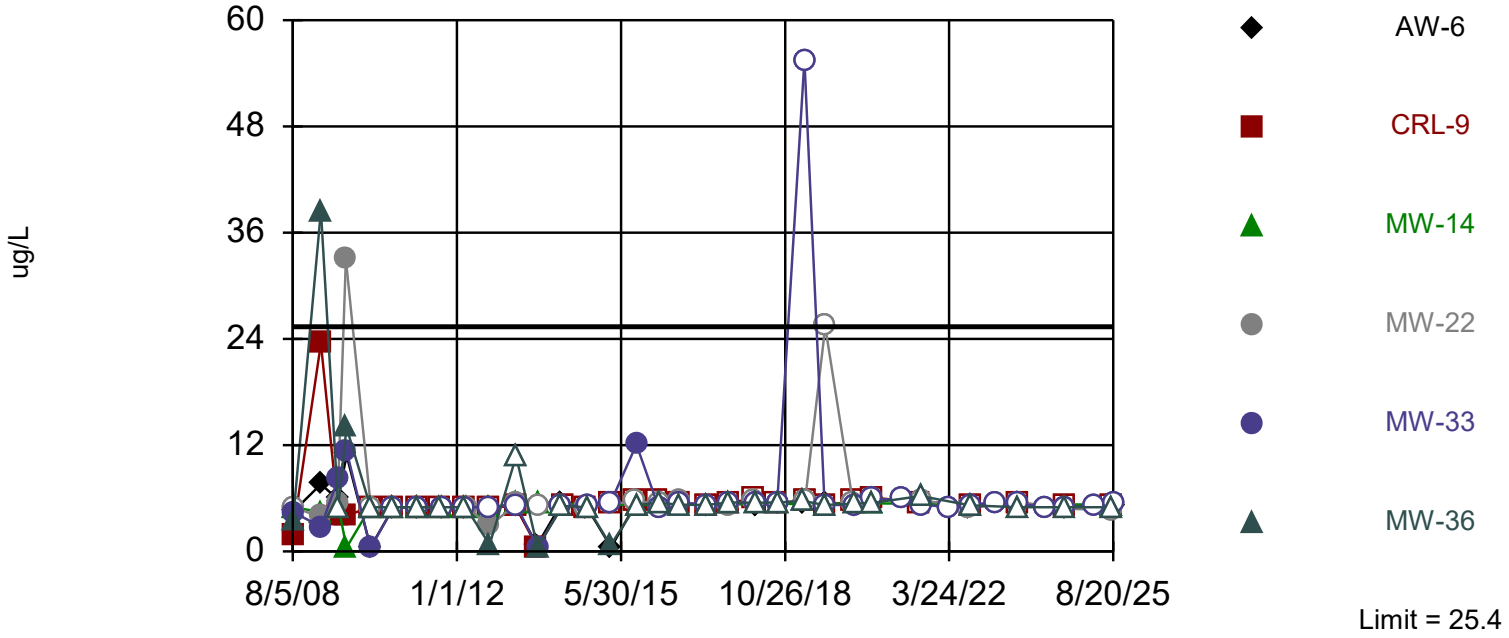
Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



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Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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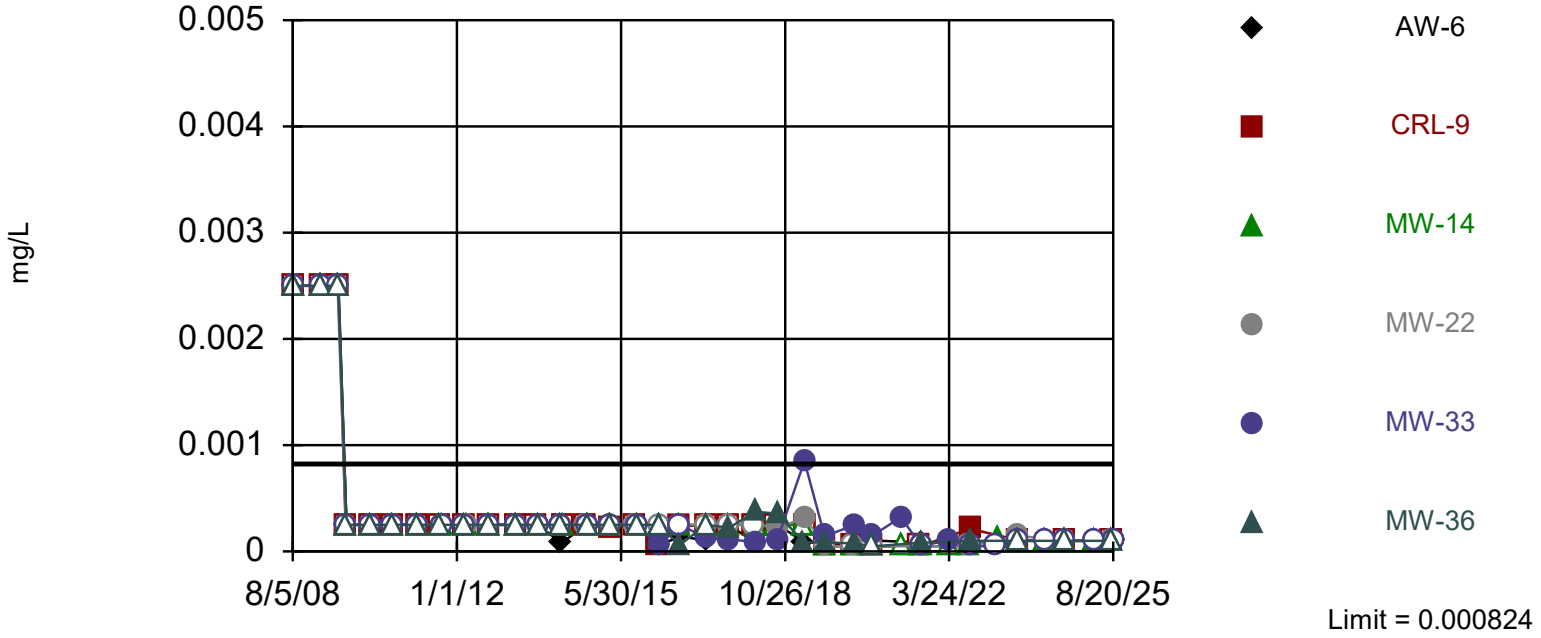
Within Limit

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 54 background values. 98.15% NDs. Annual per-constituent alpha = 0.02593. Individual comparison alpha = 0.0006254 (1 of 2).

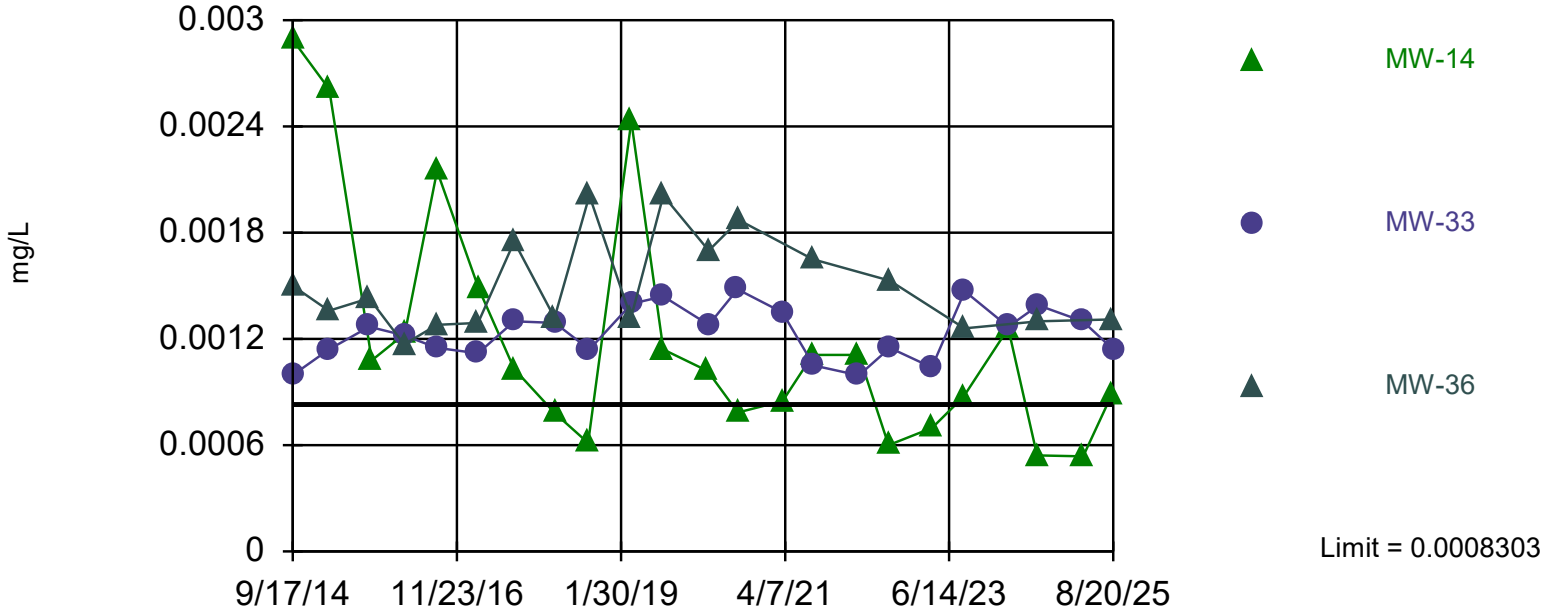
Constituent: Cadmium Analysis Run 10/21/2025 2:33 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Exceeds Limit: MW-14, MW-33, MW-36

Prediction Limit - Corrective Action Monitoring - Assessment Constituents

Interwell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-8.341, Std. Dev.=0.5319, n=44, 20.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9588, critical = 0.924. Kappa = 2.344 (c=10, w=42, 1 of 2, event alpha = 0.1). Report alpha = 0.01048. Individual comparison alpha = 0.0002508.

Constituent: Cobalt Analysis Run 10/21/2025 2:33 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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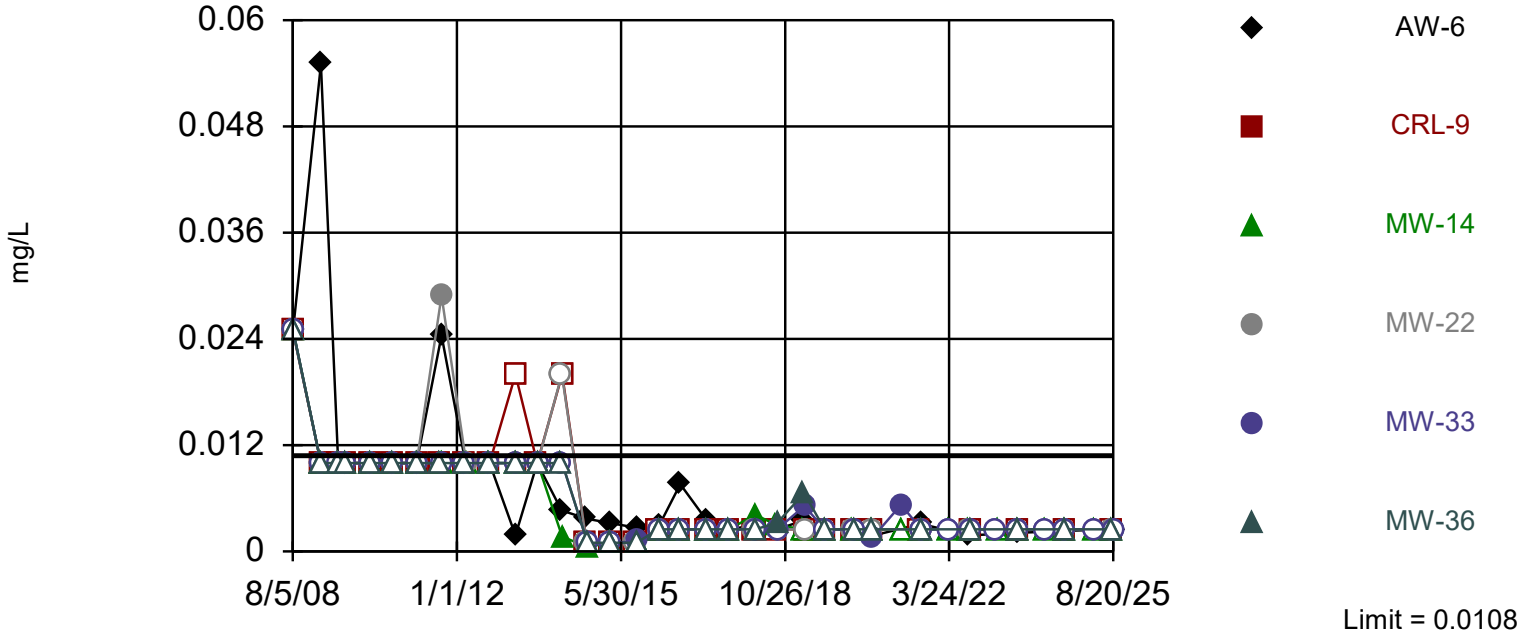
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 56 background values. 98.21% NDs. Annual per-constituent alpha = 0.02428. Individual comparison alpha = 0.000585 (1 of 2).

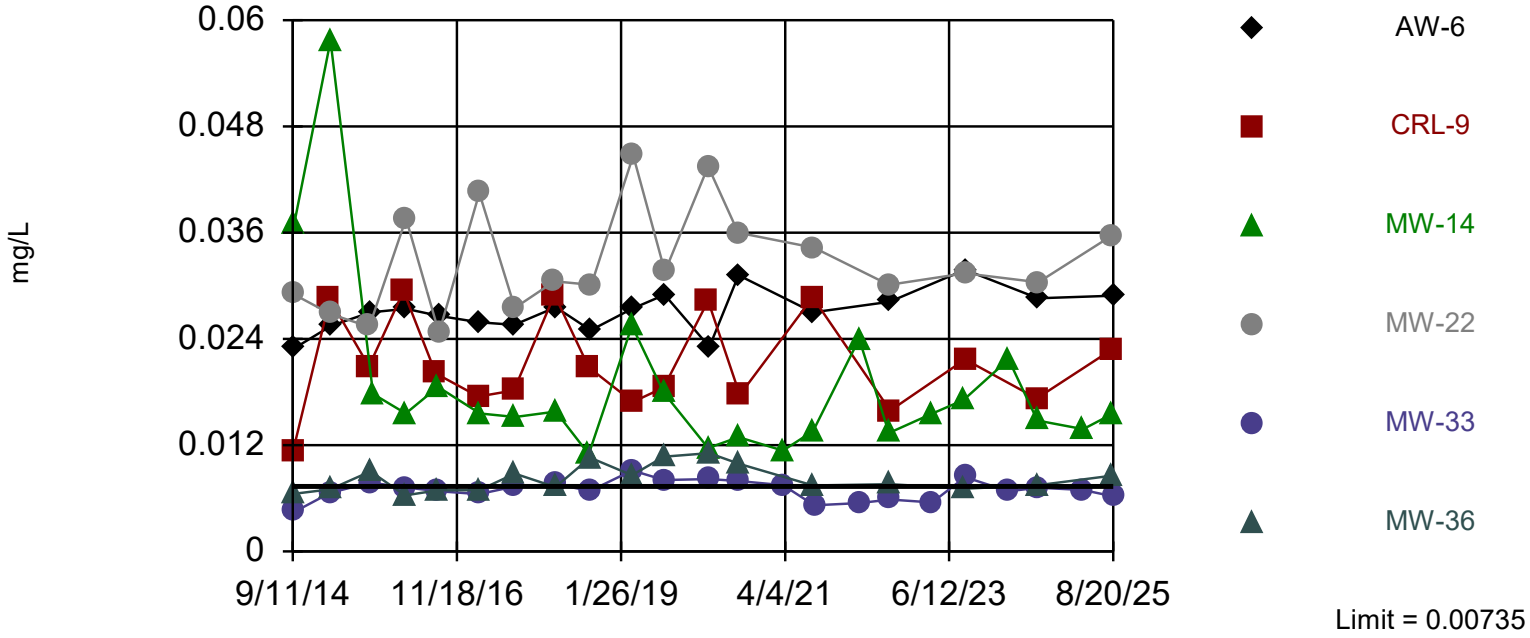
Constituent: Copper Analysis Run 10/21/2025 2:33 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Exceeds Limit: AW-6, CRL-9, MW-14, MW-22, MW-36

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 56.82% NDs. Annual per-constituent alpha = 0.03775. Individual comparison alpha = 0.0009157 (1 of 2).

Constituent: Nickel Analysis Run 10/21/2025 2:33 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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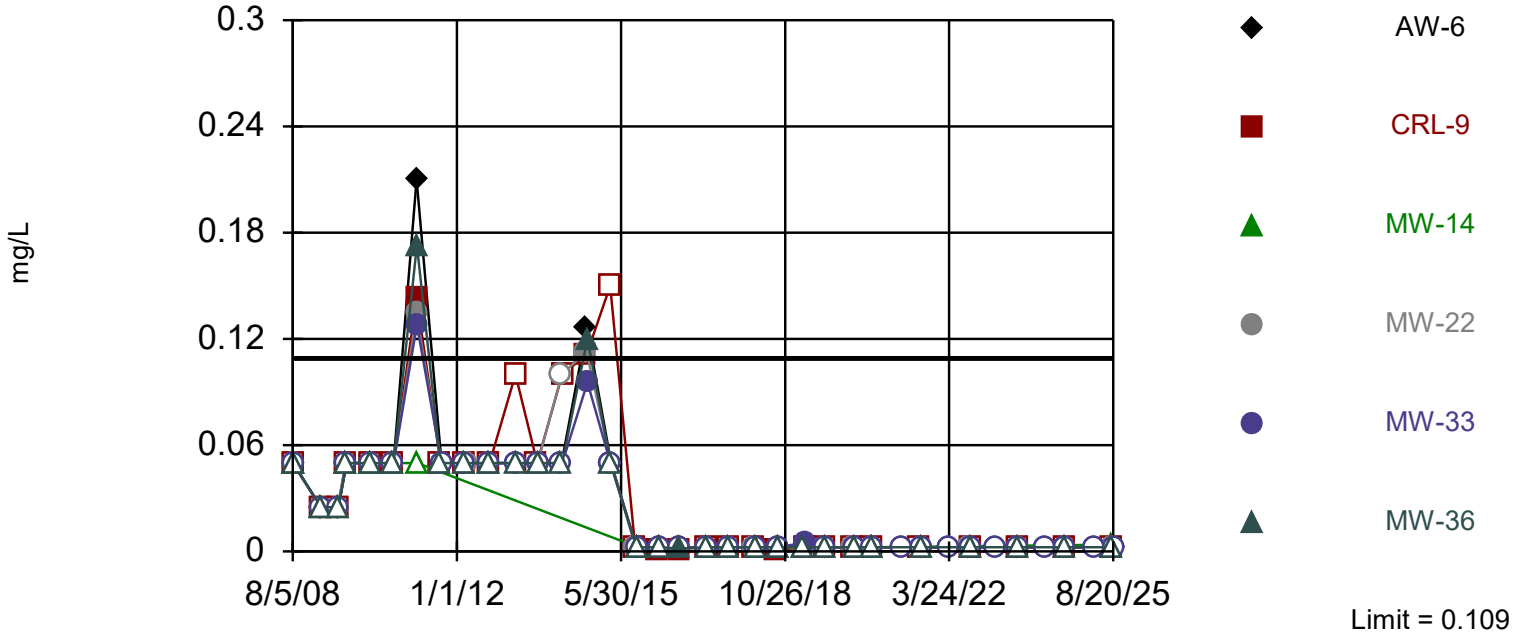
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring
Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 57 background values. 94.74% NDs. Annual per-constituent alpha = 0.02345. Individual comparison alpha = 0.0005648 (1 of 2).

Constituent: Tin Analysis Run 10/21/2025 2:33 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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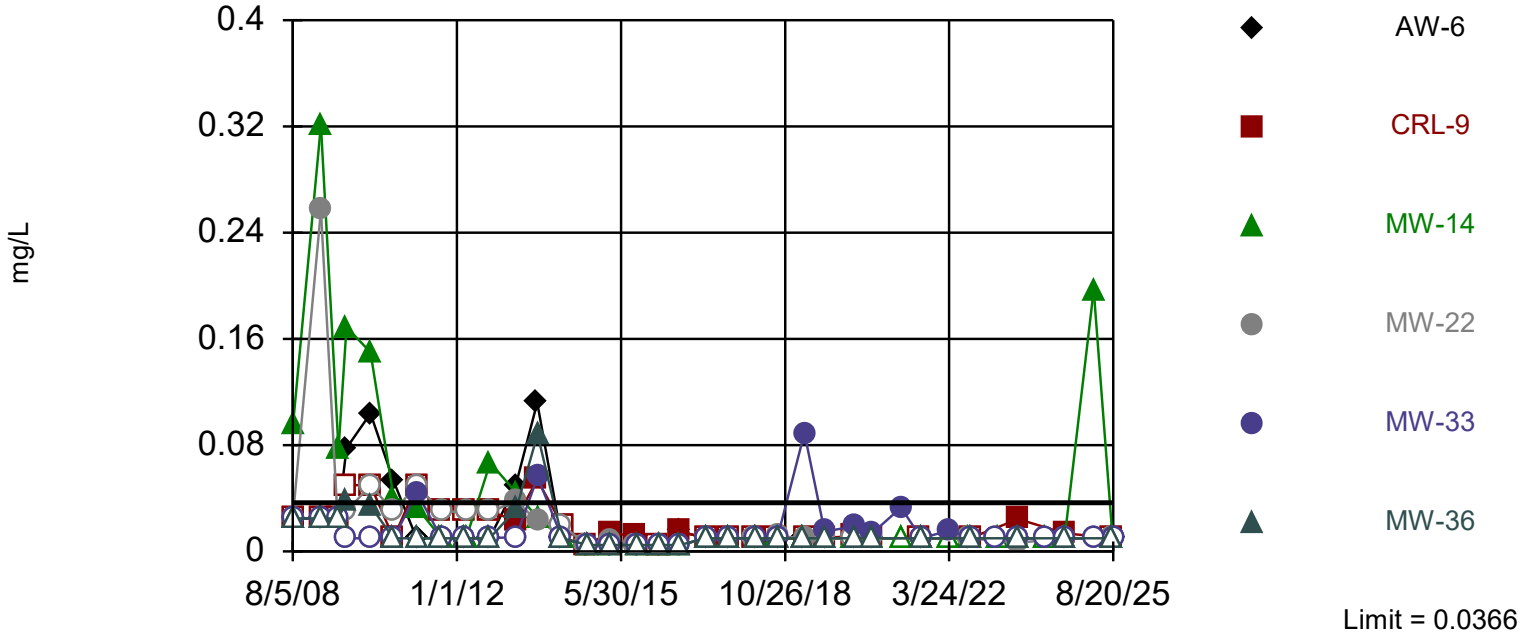
Hollow symbols indicate censored values.

Within Limit

Prediction Limit - Corrective Action Monitoring

Interwell Non-parametric - Assessment Constituents



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 57 background values. 91.23% NDs. Annual per-constituent alpha = 0.02345. Individual comparison alpha = 0.0005648 (1 of 2).

Constituent: Zinc Analysis Run 10/21/2025 2:33 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Attachment 3

Sanitas Report Output for Double Quantification Rule Evaluations

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG

Data Screening - Delineation Monitoring

Analysis Run 10/20/2025 3:05 PM - Assessment Constituents

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

A listing of detects for 209 constituents in MW-105A, MW-106A, MW-107A, and MW-109A in August 2025:

Selenium, MW-109A, 8/20/2025: 0.0072 mg/L

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Data Screening - Assessment Monitoring

Analysis Run 10/20/2025 3:20 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

A listing of detects for 209 constituents in AW-3, AW-4, AW-5, MW-21, MW-23, MW-26, MW-28, MW-35, VP-3, and VP-4 in August 2025:

Cadmium, AW-4, 8/19/2025: 0.000507 mg/L
Selenium, AW-5, 8/20/2025: 0.0208 mg/L
Silver, AW-4, 8/19/2025: 0.00196 mg/L
Thallium, MW-21, 8/14/2025: 0.00141 mg/L
Thallium, MW-23, 8/14/2025: 0.00103 mg/L

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Data Screening - Corrective Action Monitoring

- Assessment Constituents

Analysis Run 10/20/2025 3:30 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

A listing of detects for 209 constituents in AW-1, AW-2, MW-12, MW-13, MW-16, MW-17, MW-20, MW-24, MW-30, MW-32, and MW-34 in August 2025:

1,1-Dichloroethane, AW-2, 8/13/2025: 1.18 ug/L
1,1-Dichloroethane, MW-12, 8/20/2025: 2.55 ug/L
1,1-Dichloroethane, MW-16, 8/15/2025: 1.12 ug/L
1,2-Dichlorobenzene, MW-12, 8/20/2025: 2.69 ug/L
1,2-Dichlorobenzene, MW-13, 8/14/2025: 2.11 ug/L
1,2-Dichlorobenzene, MW-24, 8/18/2025: 4.04 ug/L
1,4-Dichlorobenzene, MW-12, 8/20/2025: 8.93 ug/L
1,4-Dichlorobenzene, MW-13, 8/14/2025: 15.8 ug/L
1,4-Dichlorobenzene, MW-16, 8/15/2025: 5.34 ug/L
1,4-Dichlorobenzene, MW-24, 8/18/2025: 7.42 ug/L
1,4-Dichlorobenzene, MW-32, 8/20/2025: 2.09 ug/L
1,4-Dichlorobenzene, MW-34, 8/20/2025: 1.48 ug/L
Acetone, MW-32, 8/20/2025: 13.2 ug/L
Acetone, MW-34, 8/20/2025: 12.7 ug/L
Benzene, MW-13, 8/14/2025: 3.35 ug/L
Benzene, MW-24, 8/18/2025: 4.26 ug/L
Benzene, MW-30, 8/18/2025: 1.23 ug/L
Benzene, MW-32, 8/20/2025: 0.589 ug/L
Benzene, MW-34, 8/20/2025: 0.72 ug/L
Chlorobenzene, AW-1, 8/14/2025: 2.92 ug/L
Chlorobenzene, AW-2, 8/13/2025: 1.7 ug/L
Chlorobenzene, MW-12, 8/20/2025: 3.57 ug/L
Chlorobenzene, MW-13, 8/14/2025: 3.88 ug/L
Chlorobenzene, MW-24, 8/18/2025: 39.5 ug/L
Chlorobenzene, MW-32, 8/20/2025: 5.44 ug/L
Chlorobenzene, MW-34, 8/20/2025: 2.03 ug/L
Chloroethane, MW-30, 8/18/2025: 8.2 ug/L
cis-1,2-Dichloroethene, AW-2, 8/13/2025: 2.57 ug/L
cis-1,2-Dichloroethene, MW-12, 8/20/2025: 3.14 ug/L
cis-1,2-Dichloroethene, MW-30, 8/18/2025: 5.87 ug/L
m/p-Cresol, MW-32, 8/20/2025: 73.9 ug/L
Thallium, AW-1, 8/14/2025: 0.00143 mg/L
Thallium, MW-12, 8/20/2025: 0.00224 mg/L
Thallium, MW-24, 8/18/2025: 0.00392 mg/L
Toluene, MW-32, 8/20/2025: 57.5 ug/L
Toluene, MW-34, 8/20/2025: 4.62 ug/L

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Data Screening - Detection Monitoring

Analysis Run 10/21/2025 4:47 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

A listing of detects for 208 constituents in MW-31 in August 2025:

-none-

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Data Screening - Delineation Monitoring

Analysis Run 10/21/2025 4:49 PM - Assessment Constituents

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

A listing of detects for 208 constituents in MW-102B, MW-105B, MW-107B, MW-108B, and MW-109B in August 2025:

1,1-Dichloroethane, MW-105B, 8/20/2025: 3.84 ug/L
1,4-Dichlorobenzene, MW-109B, 8/20/2025: 1.49 ug/L
Chlorobenzene, MW-109B, 8/20/2025: 6.62 ug/L
Thallium, MW-107B, 8/18/2025: 0.00168 mg/L

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Data Screening - Assessment Monitoring

Analysis Run 10/21/2025 4:53 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

A listing of detects for 208 constituents in MW-11, MW-15, MW-18, MW-19, MW-25 in August 2025:

Methoxychlor, MW-18, 8/19/2025: 0.732 ug/L

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Data Screening - Corrective Action Monitoring

Analysis Run 10/21/2025 4:57 PM - Assessment Constituents

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

A listing of detects for 208 constituents in AW-6, CRL-9, MW-14, MW-22, MW-33, and MW-36 in August 2025:

1,1-Dichloroethane, AW-6, 8/20/2025: 2.13 ug/L
1,1-Dichloroethane, MW-14, 8/14/2025: 1.65 ug/L
1,1-Dichloroethane, MW-22, 8/14/2025: 1.84 ug/L
1,2-Dichlorobenzene, MW-14, 8/14/2025: 1.23 ug/L
1,4-Dichlorobenzene, MW-14, 8/14/2025: 10.2 ug/L
1,4-Dichlorobenzene, MW-22, 8/14/2025: 1.92 ug/L
1,4-Dichlorobenzene, MW-36, 8/19/2025: 1.39 ug/L
Benzene, CRL-9, 8/14/2025: 2.86 ug/L
Benzene, MW-14, 8/14/2025: 0.84 ug/L
Chlorobenzene, MW-14, 8/14/2025: 2.16 ug/L
Chlorobenzene, MW-22, 8/14/2025: 4.05 ug/L
Chlorobenzene, MW-33, 8/20/2025: 4.1 ug/L
Chlorobenzene, MW-36, 8/19/2025: 5.45 ug/L
o-Toluidine, CRL-9, 8/14/2025: 12.5 ug/L
Sulfide, CRL-9, 8/14/2025: 2.6 mg/L

Attachment 4

Sanitas Report Output for Confidence Interval Calculations
Assessment Mode

Upper Bedrock

Confidence Interval - Assessment Mode [1]

Constituent Name	Well	Upper Limit	Lower Limit	Compliance Limit [2]	Exceed	N	Mean	Standard Deviation	CV	a to Achieve 50% Power at R=1.5 [3,4]	a to Achieve 80% Power at R=2.0 [3,4]	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Delineation Monitoring Locations - Assessment Constituents																
Barium (mg/L)	MW-106A	0.25	0.16	2	No	22	0.21	0.09	0.4	<0.01	<0.01	0	None	No	0.01	Param.
Barium (mg/L)	MW-107A	0.14	0.10	2	No	22	0.12	0.04	0.3	<0.01	<0.01	0	None	No	0.01	Param.
Barium (mg/L)	MW-109A	0.23	0.19	2	No	14	0.21	0.03	0.1	<0.01	<0.01	0	None	No	0.01	Param.
Selenium (mg/L)	MW-109A	0.007	0.003	0.05	No	14	0.006	0.005	0.8	0.04	<0.01	0	None	No	0.04	NP (normality)
Assessment Monitoring Locations																
Arsenic (mg/L)	AW-3	0.006	0.003	0.01	No	32	0.006	0.007	1.1	<0.01	<0.01	9	None	No	0.01	NP (normality)
Arsenic (mg/L)	AW-4	0.003	0.001	0.01	No	32	0.002	0.002	0.8	<0.01	<0.01	16	None	No	0.01	NP (normality)
Arsenic (mg/L)	AW-5	0.011	0.006	0.01	No	31	0.009	0.006	0.7	<0.01	<0.01	0	None	No	0.01	Param.
Arsenic (mg/L)	MW-35	0.009	0.004	0.01	No	30	0.008	0.006	0.8	<0.01	<0.01	3	None	No	0.01	NP (normality)
Arsenic (mg/L)	VP-3	0.010	0.005	0.01	No	13	0.010	0.010	0.9	0.05	<0.01	0	None	No	0.05	NP (normality)
Arsenic (mg/L)	VP-4	0.005	0.003	0.01	No	30	0.005	0.002	0.5	<0.01	<0.01	0	None	No	0.01	NP (normality)
Barium (mg/L)	AW-5	0.20	0.13	2	No	31	0.17	0.06	0.4	<0.01	<0.01	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-26	0.24	0.19	2	No	33	0.22	0.06	0.3	<0.01	<0.01	0	None	No	0.01	Param.
Barium (mg/L)	MW-28	0.27	0.23	2	No	31	0.25	0.04	0.2	<0.01	<0.01	0	None	No	0.01	Param.
Barium (mg/L)	MW-35	0.23	0.15	2	No	30	0.23	0.12	0.5	<0.01	<0.01	0	None	No	0.01	NP (normality)
Barium (mg/L)	VP-3	0.68	0.51	2	No	31	0.60	0.20	0.3	<0.01	<0.01	0	None	No	0.01	Param.
Cadmium (mg/L)	AW-4	0.0003	0.0002	0.005	No	32	0.0005	0.0007	1.4	<0.01	<0.01	34	None	No	0.01	NP (normality)
Cobalt (mg/L)	AW-4	0.0080	0.0021	0.008	No	32	0.0064	0.0070	1.1	<0.01	<0.01	16	None	No	0.01	NP (normality)
Copper (mg/L)	AW-4	0.04	0.02	1.3	No	33	0.04	0.03	0.9	<0.01	<0.01	33	None	No	0.01	NP (normality)
Nickel (mg/L)	AW-4	0.034	0.025	0.1	No	32	0.034	0.023	0.7	<0.01	<0.01	31	None	No	0.01	NP (normality)
Selenium (mg/L)	AW-5	0.0048	0.0022	0.05	No	31	0.0064	0.0077	1.2	<0.01	<0.01	61	None	No	0.01	NP (NDs)
Silver (mg/L)	AW-4	0.010	0.001	0.1	No	32	0.006	0.008	1.3	<0.01	<0.01	94	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-21	0.0023	0.0010	0.002	No	30	0.0017	0.0007	0.4	<0.01	<0.01	30	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-23	0.0013	0.0010	0.002	No	29	0.0011	0.0002	0.2	<0.01	<0.01	31	None	No	0.01	NP (normality)
Corrective Action Monitoring Locations - Assessment Constituents																
1,1-Dichloroethane (ug/L)	AW-2	1.6	1.1	140	No	31	1.4	0.5	0.4	<0.01	<0.01	3	None	No	0.01	Param.
1,1-Dichloroethane (ug/L)	MW-12	24.0	7.3	140	No	36	16.2	10.8	0.7	<0.01	<0.01	0	None	No	0.01	NP (normality)
1,1-Dichloroethane (ug/L)	MW-16	16.7	1.8	140	No	36	11.6	12.9	1.1	<0.01	<0.01	3	None	No	0.01	NP (normality)
1,2-Dichlorobenzene (ug/L)	MW-12	3.3	1.0	600	No	36	2.2	1.5	0.7	<0.01	<0.01	11	None	No	0.01	NP (normality)
1,2-Dichlorobenzene (ug/L)	MW-13	2.9	2.2	600	No	36	2.6	0.9	0.3	<0.01	<0.01	3	None	No	0.01	Param.
1,2-Dichlorobenzene (ug/L)	MW-24	5.1	3.9	600	No	31	4.5	1.3	0.3	<0.01	<0.01	0	None	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	MW-12	7.5	2.2	75	No	36	4.8	3.2	0.7	<0.01	<0.01	3	None	No	0.01	NP (normality)
1,4-Dichlorobenzene (ug/L)	MW-13	14.7	12.1	75	No	36	12.8	3.2	0.2	<0.01	<0.01	0	None	No	0.01	NP (normality)
1,4-Dichlorobenzene (ug/L)	MW-16	4.2	2.5	75	No	36	3.3	2.1	0.6	<0.01	<0.01	14	None	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	MW-24	9.5	7.4	75	No	31	8.5	2.4	0.3	<0.01	<0.01	0	None	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	MW-32	4.9	3.3	75	No	36	4.1	2.1	0.5	<0.01	<0.01	8	None	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	MW-34	5.2	3.0	75	No	31	4.3	3.0	0.7	<0.01	<0.01	19	Kaplan-Meier	No	0.01	Param.
Acetone (ug/L)	MW-32	5.0	4.1	6300	No	36	5.5	3.7	0.7	<0.01	<0.01	81	None	No	0.01	NP (NDs)
Acetone (ug/L)	MW-34	12.7	4.7	6300	No	31	62.0	214.3	3.5	<0.01	<0.01	65	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-20	0.011	0.006	0.01	No	7	0.008	0.007	0.9	0.17	0.27	0	None	No	0.20 [5]	Param.
Barium (mg/L)	AW-2	0.43	0.35	2	No	31	0.42	0.12	0.3	<0.01	<0.01	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-12	0.37	0.16	2	No	36	0.29	0.16	0.6	<0.01	<0.01	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-13	0.79	0.57	2	No	36	0.68	0.27	0.4	<0.01	<0.01	0	None	No	0.01	Param.
Barium (mg/L)	MW-24	1.00	0.81	2	No	31	0.87	0.23	0.3	<0.01	<0.01	3	None	No	0.01	NP (normality)
Barium (mg/L)	MW-30	0.27	0.18	2	No	31	0.24	0.11	0.4	<0.01	<0.01	0	None	No	0.01	NP (normality)

Upper Bedrock

Confidence Interval - Assessment Mode [1]

Constituent Name	Well	Upper Limit	Lower Limit	Compliance Limit [2]	Exceed	N	Mean	Standard Deviation	CV	a to Achieve 50% Power at R=1.5 [3,4]	a to Achieve 80% Power at R=2.0 [3,4]	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Corrective Action Monitoring Locations - Assessment Constituents Continued																
Barium (mg/L)	MW-32	0.89	0.70	2	No	36	0.80	0.24	0.3	<0.01	<0.01	0	None	No	0.01	Param.
Barium (mg/L)	MW-34	0.40	0.25	2	No	31	0.32	0.17	0.5	<0.01	<0.01	0	None	No	0.01	Param.
Benzene (ug/L)	MW-13	4.75	3.82	5	No	36	4.28	1.13	0.3	<0.01	<0.01	0	None	No	0.01	Param.
Benzene (ug/L)	MW-24	5.95	4.10	5	No	31	5.11	1.43	0.3	<0.01	<0.01	0	None	No	0.01	NP (normality)
Benzene (ug/L)	MW-30	2.44	1.65	5	No	31	2.04	0.89	0.4	<0.01	<0.01	3	None	No	0.01	Param.
Benzene (ug/L)	MW-32	2.46	1.41	5	No	36	1.93	1.30	0.7	<0.01	<0.01	6	None	No	0.01	Param.
Benzene (ug/L)	MW-34	3.08	2.16	5	No	31	2.62	1.04	0.4	<0.01	<0.01	3	None	No	0.01	Param.
Chlorobenzene (ug/L)	AW-1	7.7	4.8	100	No	31	6.2	3.3	0.5	<0.01	<0.01	3	None	No	0.01	Param.
Chlorobenzene (ug/L)	AW-2	2.8	1.8	100	No	31	2.3	1.1	0.5	<0.01	<0.01	6	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-12	6.4	2.6	100	No	36	4.6	2.6	0.6	<0.01	<0.01	3	None	No	0.01	NP (normality)
Chlorobenzene (ug/L)	MW-13	5.2	4.2	100	No	36	4.7	1.3	0.3	<0.01	<0.01	3	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-24	47.2	33.8	100	No	31	40.5	15.3	0.4	<0.01	<0.01	0	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-32	11.3	8.7	100	No	36	10.0	3.3	0.3	<0.01	<0.01	0	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-34	5.0	2.7	100	No	31	4.1	2.3	0.6	<0.01	<0.01	10	None	No	0.01	NP (normality)
Chloroethane (ug/L)	MW-30	11.9	9.6	2800	No	31	10.8	2.7	0.2	<0.01	<0.01	0	None	No	0.01	Param.
cis-1,2-Dichloroethene (ug/L)	AW-2	4.8	3.5	70	No	31	4.1	1.4	0.4	<0.01	<0.01	0	None	No	0.01	Param.
cis-1,2-Dichloroethene (ug/L)	MW-12	8.1	4.2	70	No	36	8.2	6.1	0.7	<0.01	<0.01	0	None	No	0.01	NP (normality)
cis-1,2-Dichloroethene (ug/L)	MW-30	6.3	5.1	70	No	31	5.7	1.3	0.2	<0.01	<0.01	0	None	No	0.01	Param.
Nickel (mg/L)	MW-12	0.080	0.062	0.1	No	22	0.068	0.016	0.2	0.01	<0.01	0	None	No	0.01	NP (normality)
Nickel (mg/L)	MW-24	0.025	0.008	0.1	No	31	0.020	0.017	0.9	<0.01	<0.01	26	None	No	0.01	NP (normality)
Thallium (mg/L)	AW-1	0.0011	0.0008	0.002	No	30	0.0010	0.0003	0.3	<0.01	<0.01	37	Kaplan-Meier	No	0.01	Param.
Thallium (mg/L)	MW-12	0.0041	0.0012	0.002	No	36	0.0033	0.0029	0.9	<0.01	<0.01	22	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-24	0.0017	0.0006	0.002	No	30	0.0017	0.0018	1.1	<0.01	<0.01	20	None	No	0.01	NP (normality)
Toluene (ug/L)	MW-32	0.6	0.5	1000	No	36	3.4	11.5	3.4	<0.01	<0.01	81	None	No	0.01	NP (NDs)
Toluene (ug/L)	MW-34	2.2	0.5	1000	No	31	6.6	20.9	3.2	<0.01	<0.01	81	None	No	0.01	NP (NDs)

[1] Under assessment mode, an SSL is indicated when the lower confidence limit exceeds the groundwater protection standard (compliance limit).

[2] Value is the 40 CFR Part 141 Safe Drinking Water Act MCL or the IAC 567 Chapter 137 Statewide Standard for a Protected Groundwater Source.

[3] For parametric confidence intervals: Except where otherwise indicated, based on Unified Guidance Equation 22.2, i.e., $\alpha \sim 1 - F_{T,n-1}\left(\frac{(R-1)\sqrt{n}}{R \cdot \overline{CV}} - t_{1-\beta,n-1}\right)$

where R is the desired risk ratio, n is the sample size, CV is the estimated sample coefficient of variation, $t_{1-b,n-1}$ is the (1−b) Student's t-quantile with (n−1) degrees of freedom, and F is the cumulative (central) Student's t-distribution function.

[4] For non-parametric confidence intervals: Based on Unified Guidance Equation 22.1, i.e., $1-\beta = G_{T,n-1}\left(t_{1-\alpha,n-1} \middle| \Delta = \sqrt{n}(R-1)\right)$

where R is the desired risk ratio, $t_{1-a,n-1}$ is the (1−a) Student's t-quantile with (n−1) degrees of freedom and G represents the cumulative non-central t-distribution with (n−1) degrees of freedom and noncentrality parameter D.

[5] While an alpha of 0.27 was suggested for achieving 80% power of detecting increases in the true concentration mean of 2.0 times a fixed standard, the Unified Guidance suggests a maximum false positive rate of a=0.2 as a reasonable upper bound. Therefore, the maximum a=0.2 was utilized. Additional discussion is provided in Attachment 1.

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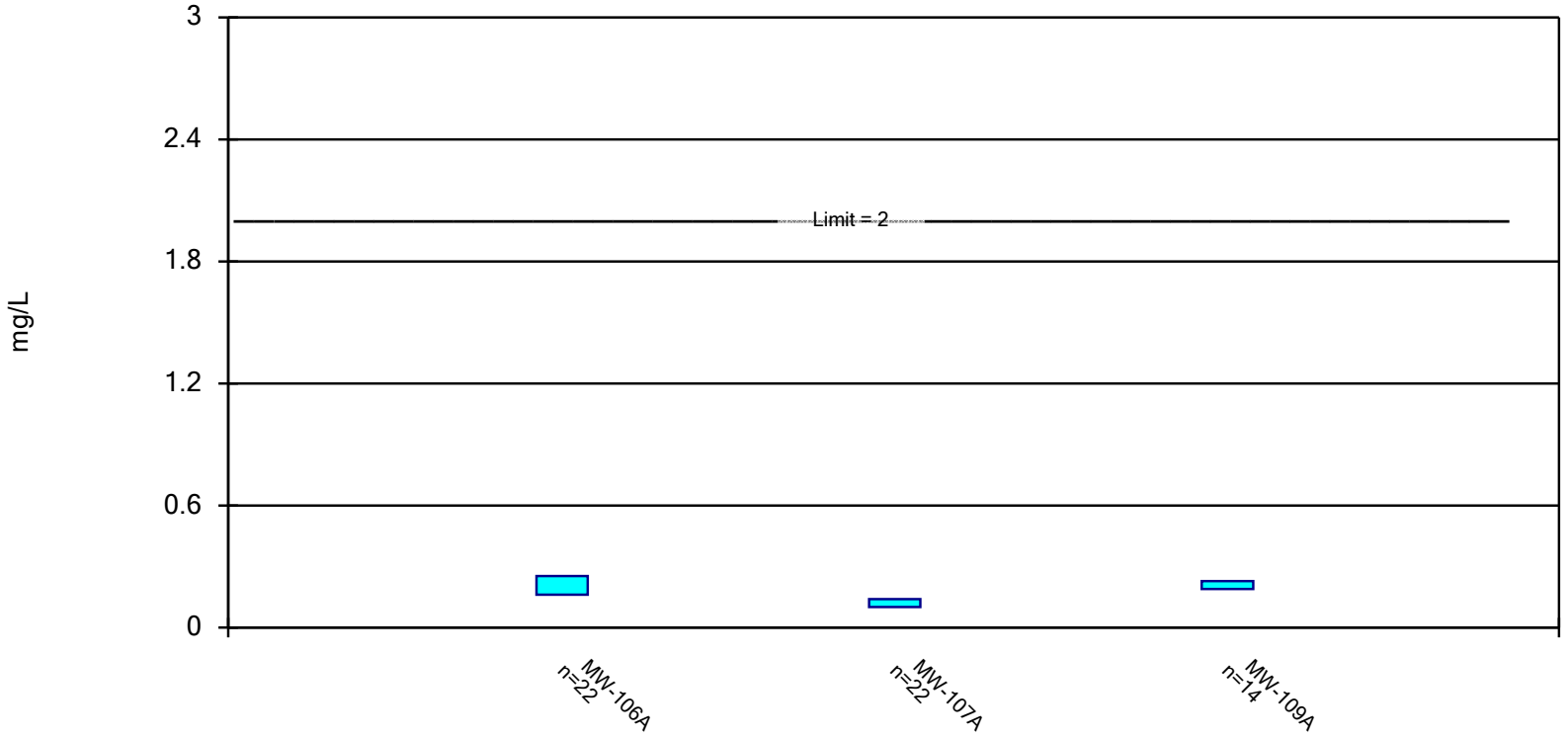
Parametric Confidence Interval - Delineation Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 10/22/2025 2:58 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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Non-Parametric Confidence Interval - Delineation Monitoring - Assessment Constituents

Constituent: Selenium Analysis Run 10/22/2025 3:08 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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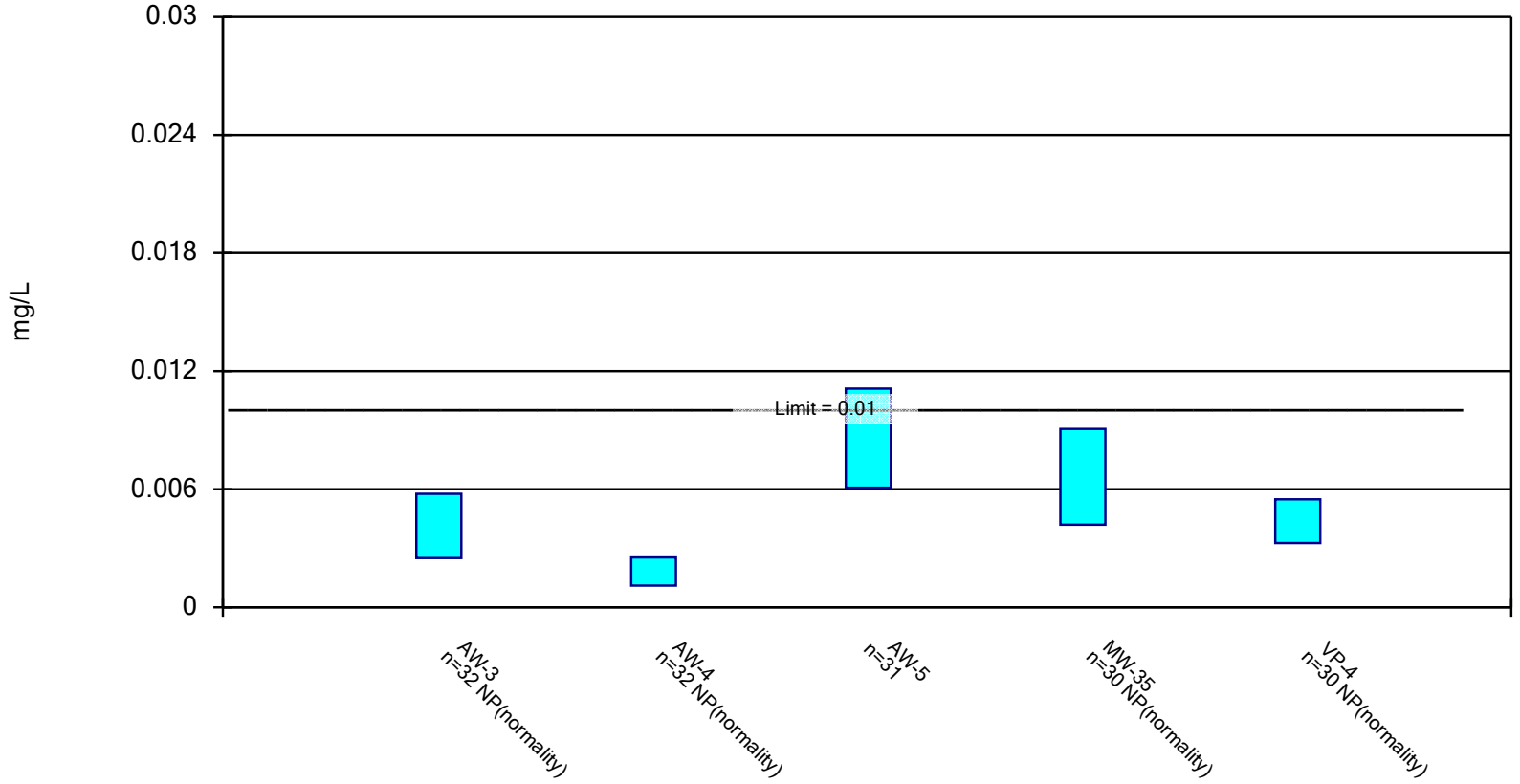
Parametric and Non-Parametric (NP) Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 10/22/2025 4:13 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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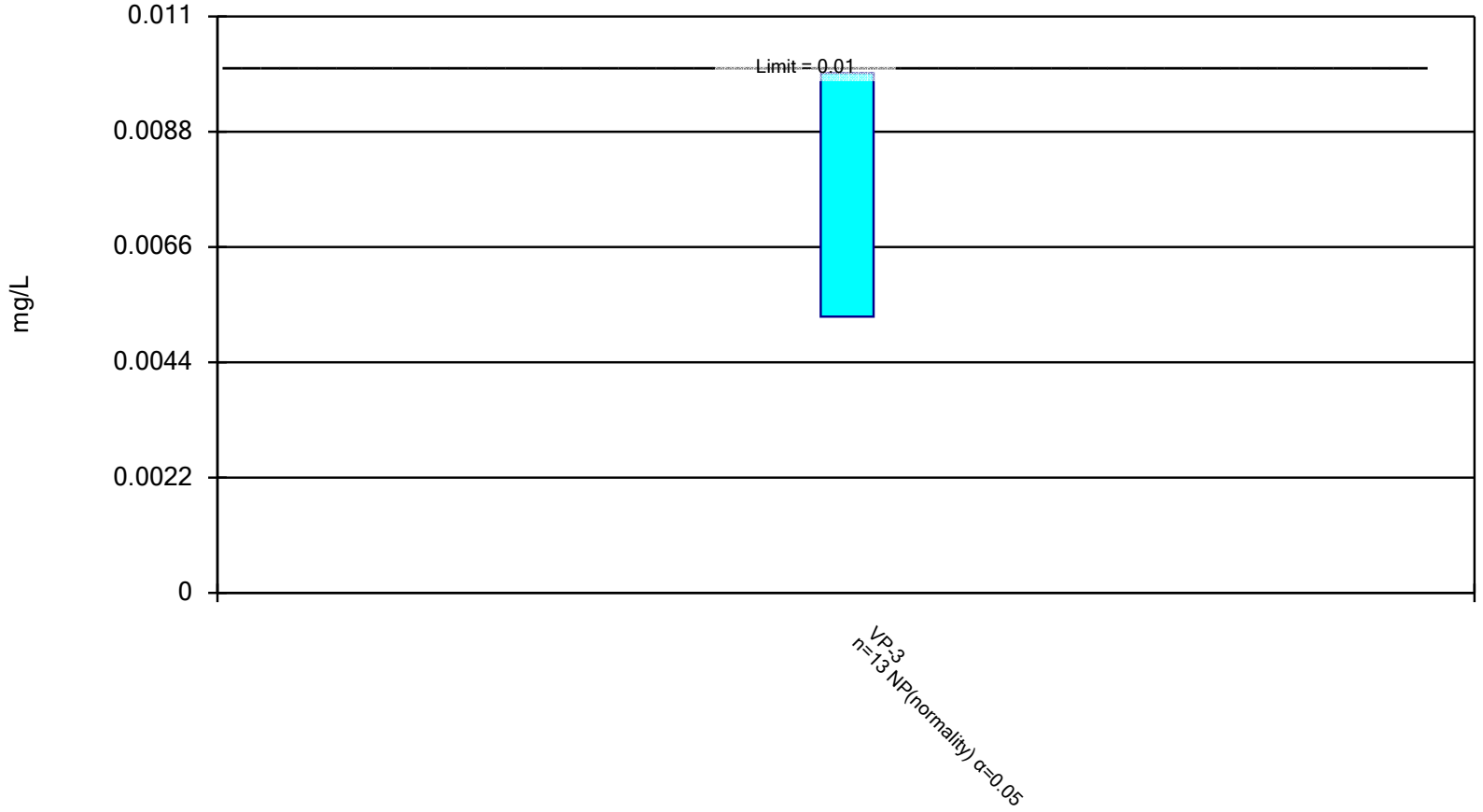
Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded.



Constituent: Arsenic Analysis Run 10/22/2025 4:15 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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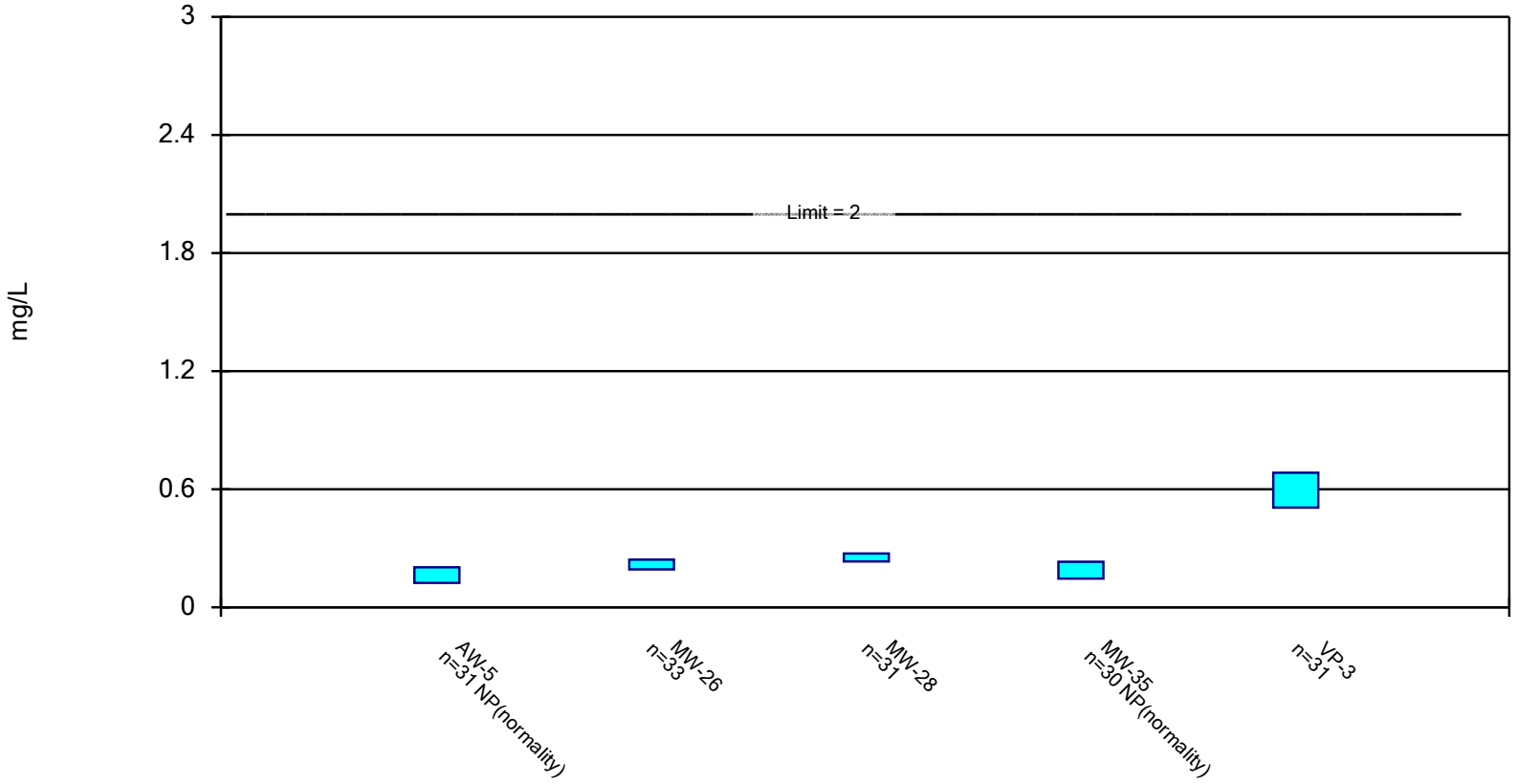
Parametric and Non-Parametric (NP) Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 10/22/2025 3:14 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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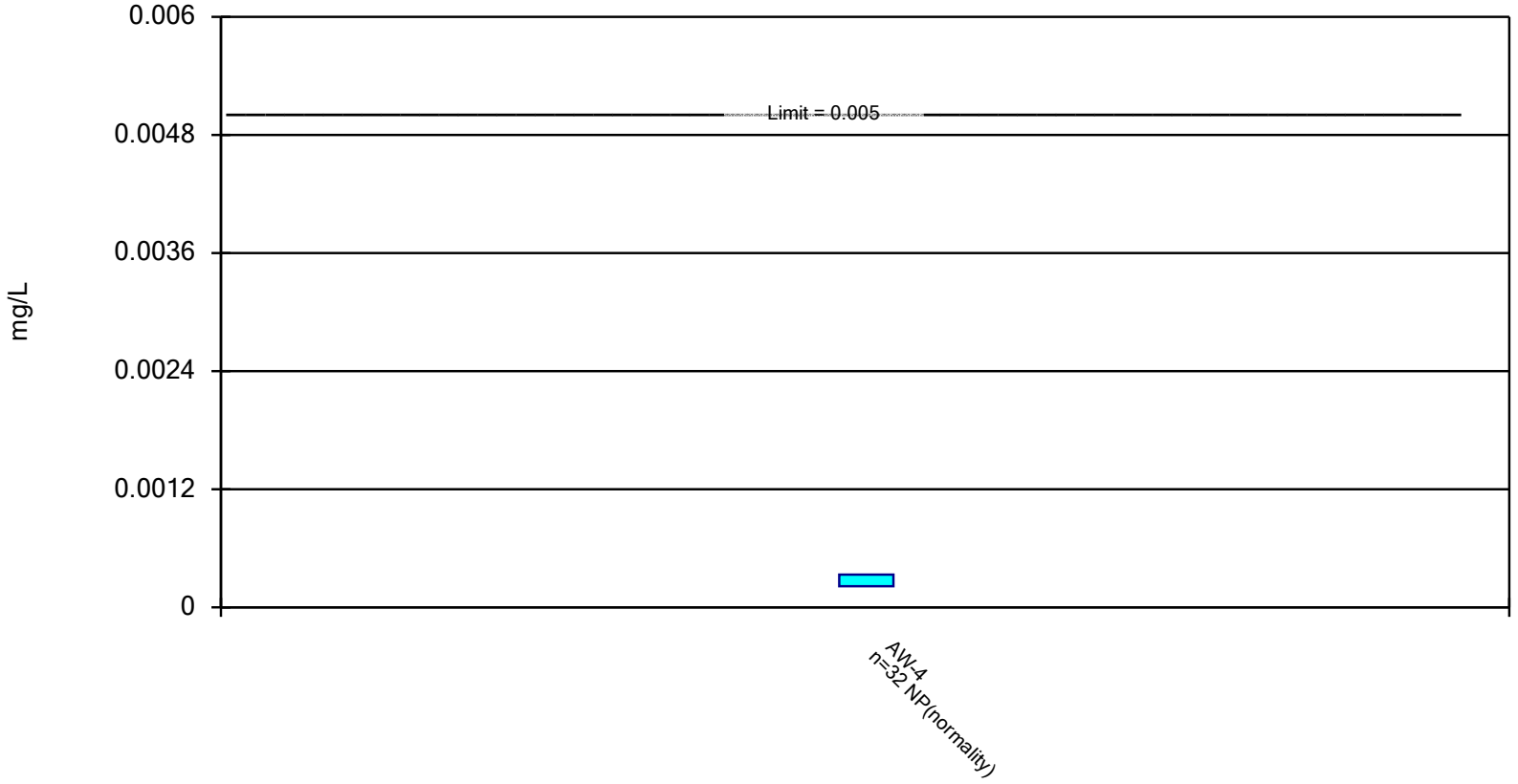
Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 10/22/2025 3:14 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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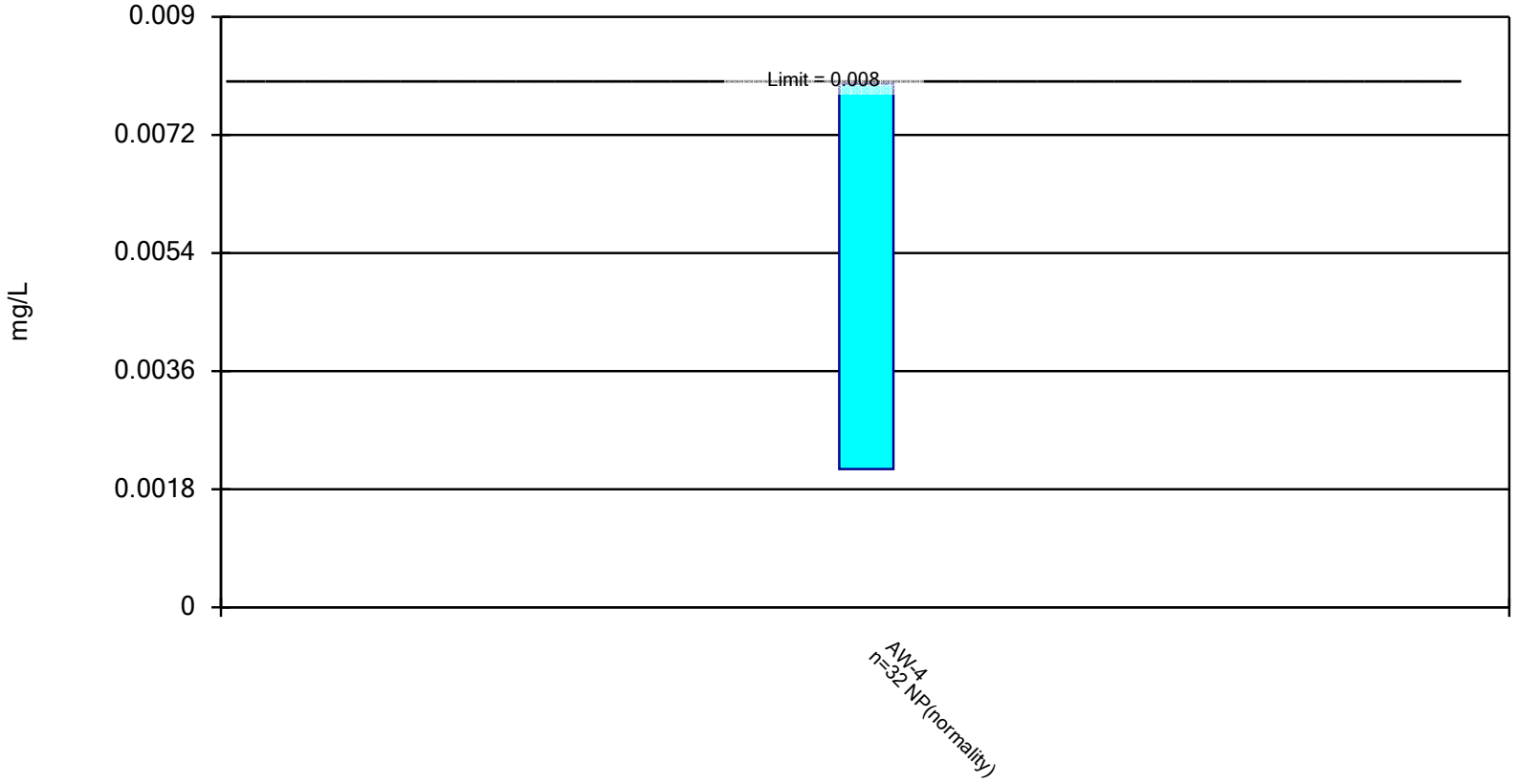
Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cobalt Analysis Run 10/22/2025 3:14 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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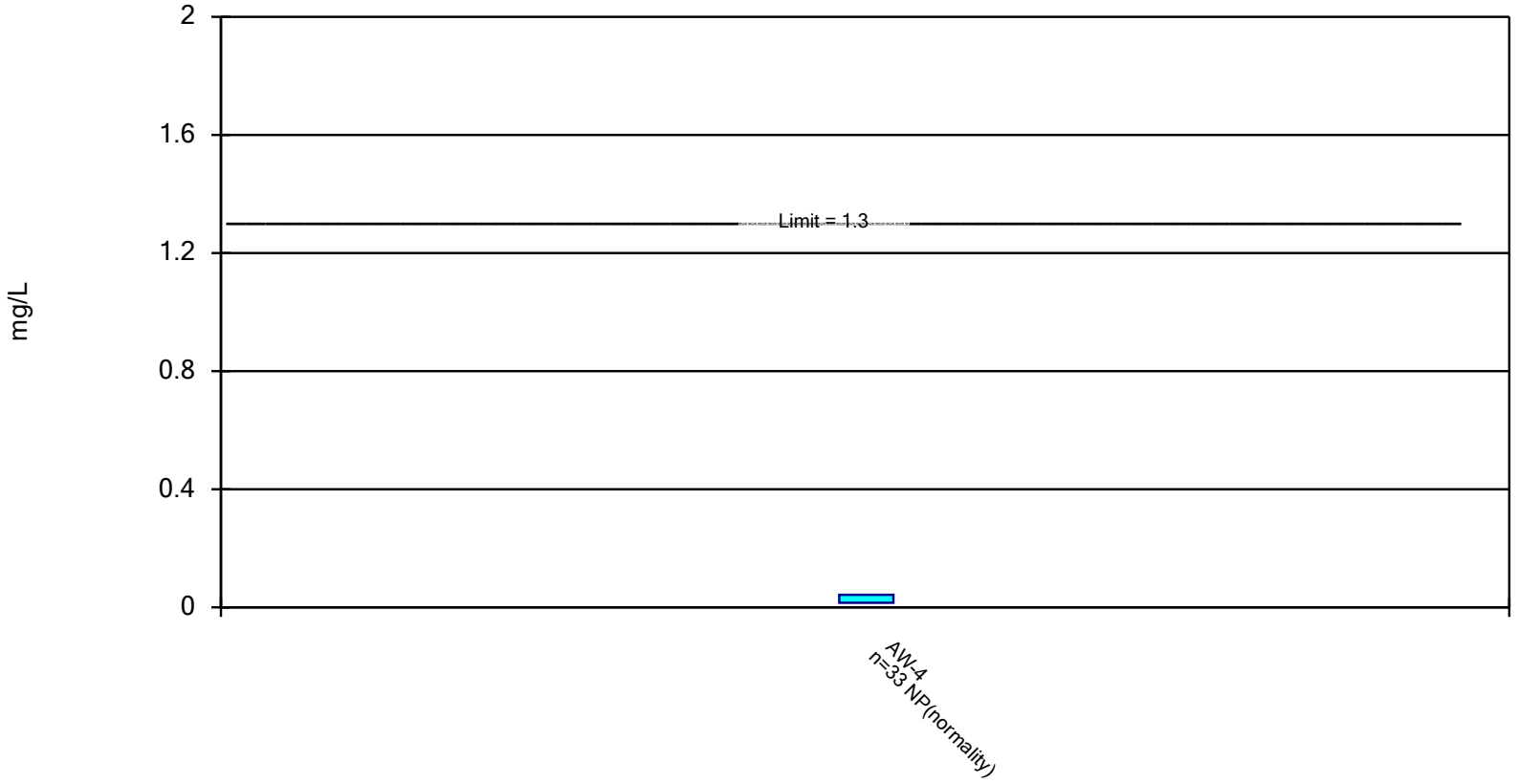
Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Copper Analysis Run 10/22/2025 3:14 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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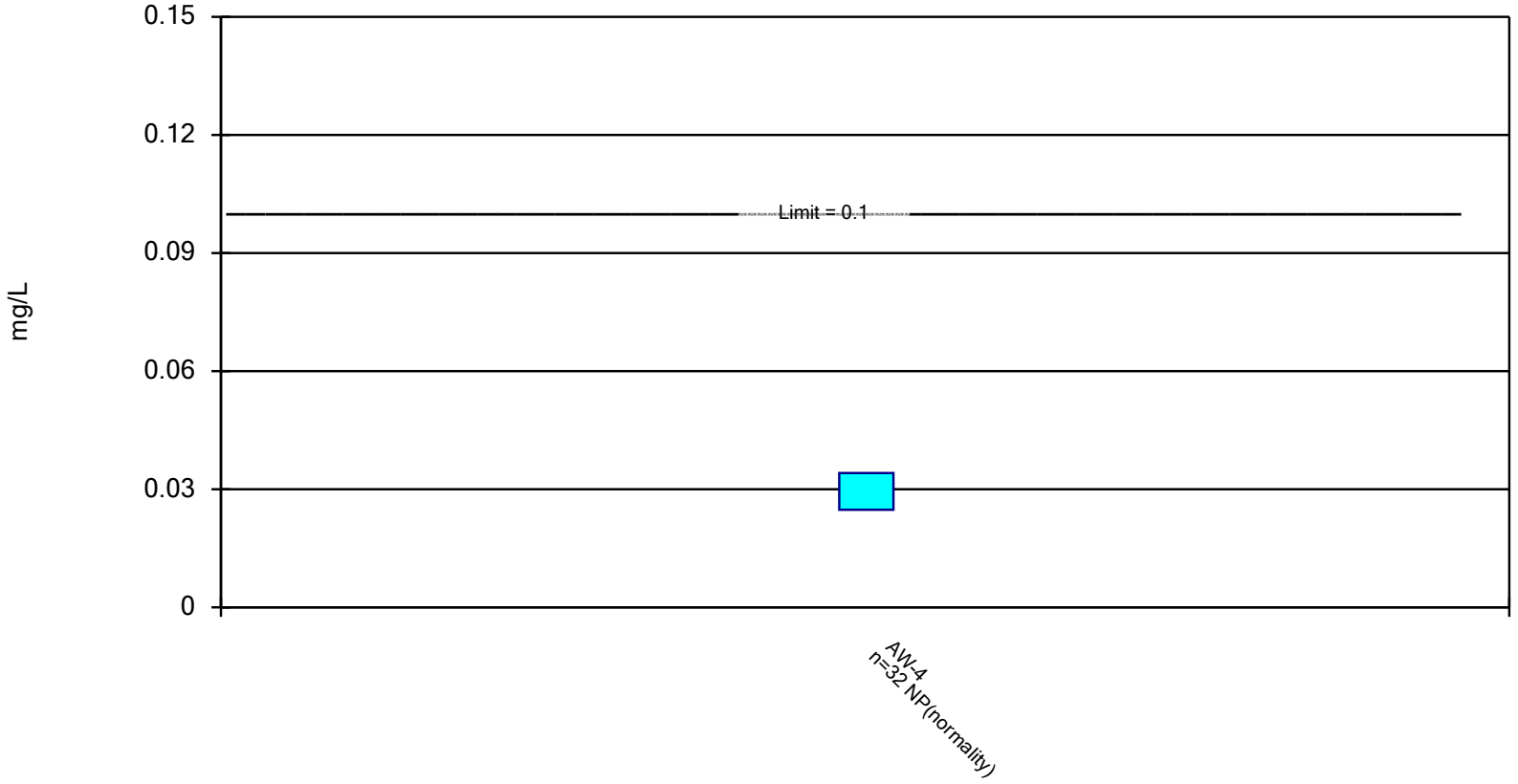
Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01. - Assessment Monitoring



Constituent: Nickel Analysis Run 10/22/2025 3:14 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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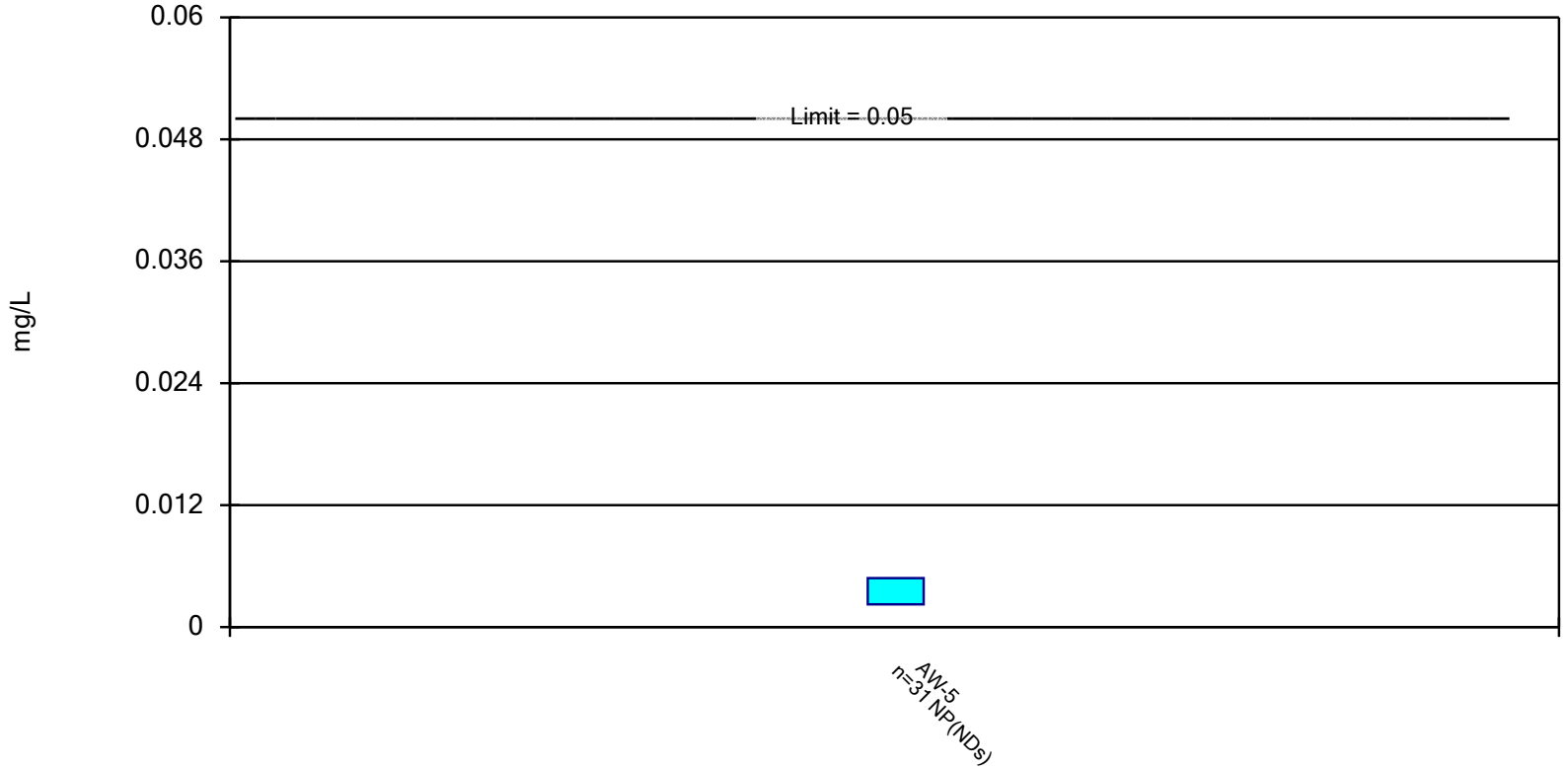
Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 10/22/2025 11:25 AM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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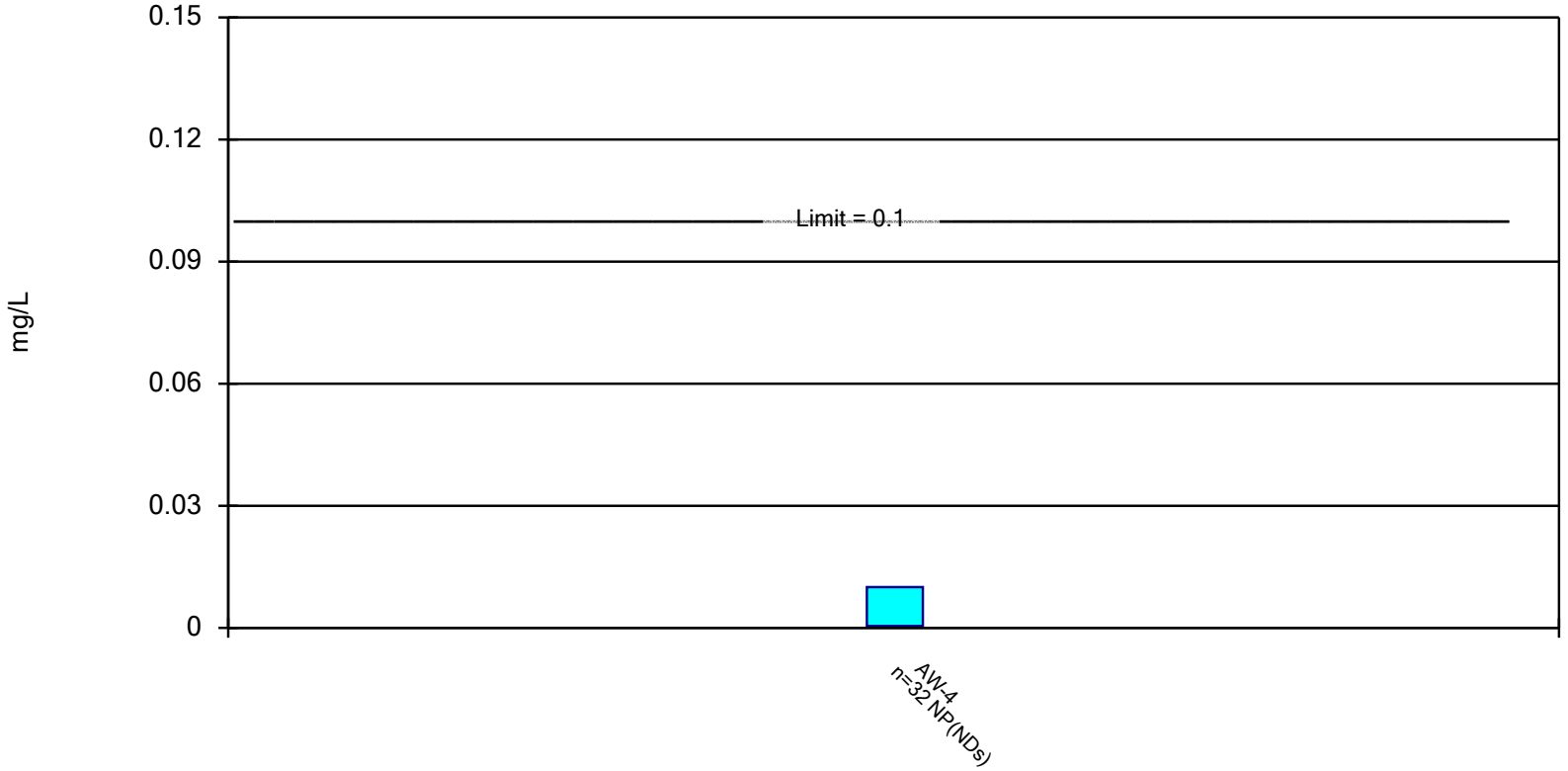
Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Silver Analysis Run 10/22/2025 11:31 AM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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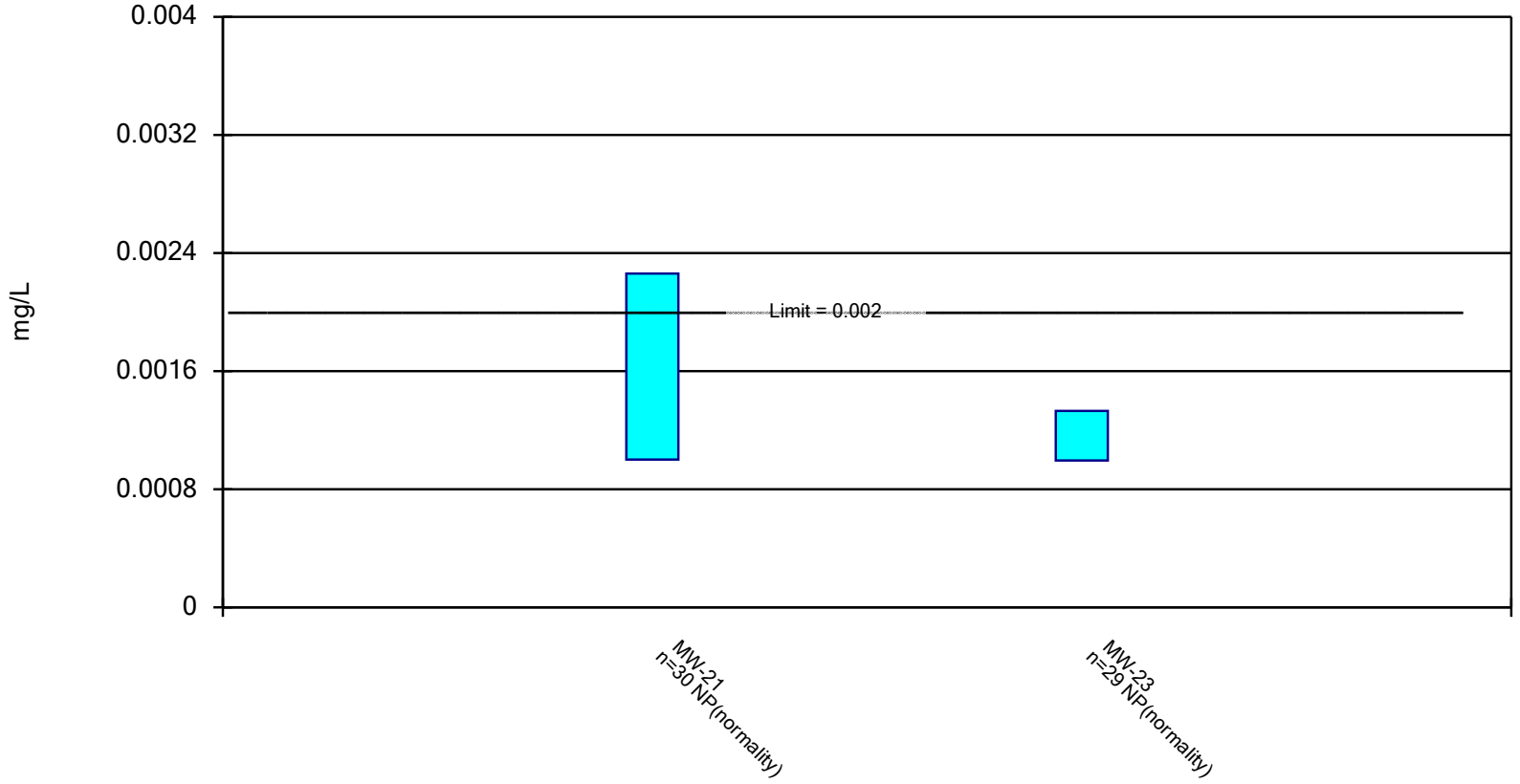
Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 10/22/2025 3:14 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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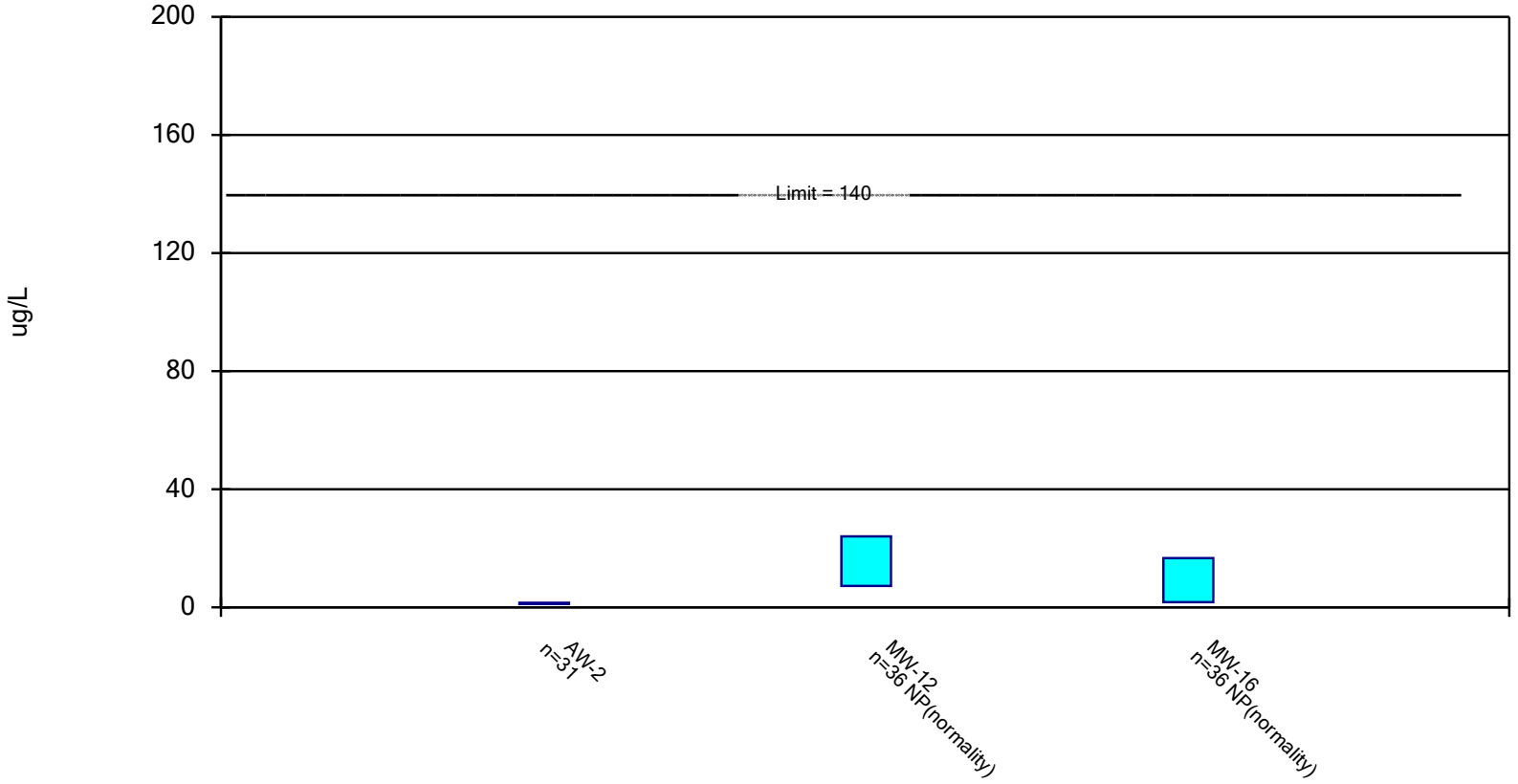
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 1,1-Dichloroethane Analysis Run 10/22/2025 10:08 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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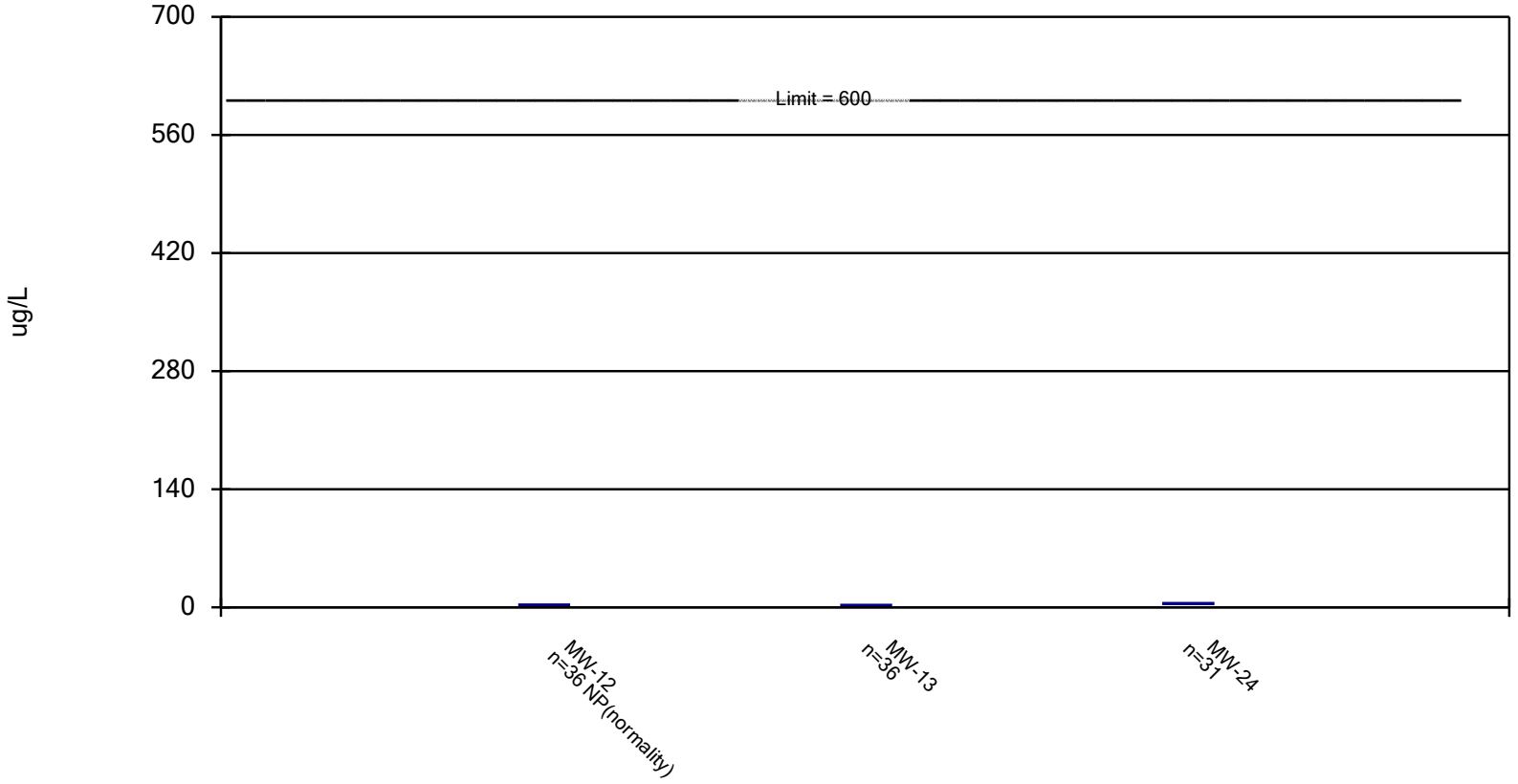
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 1,2-Dichlorobenzene Analysis Run 10/22/2025 10:08 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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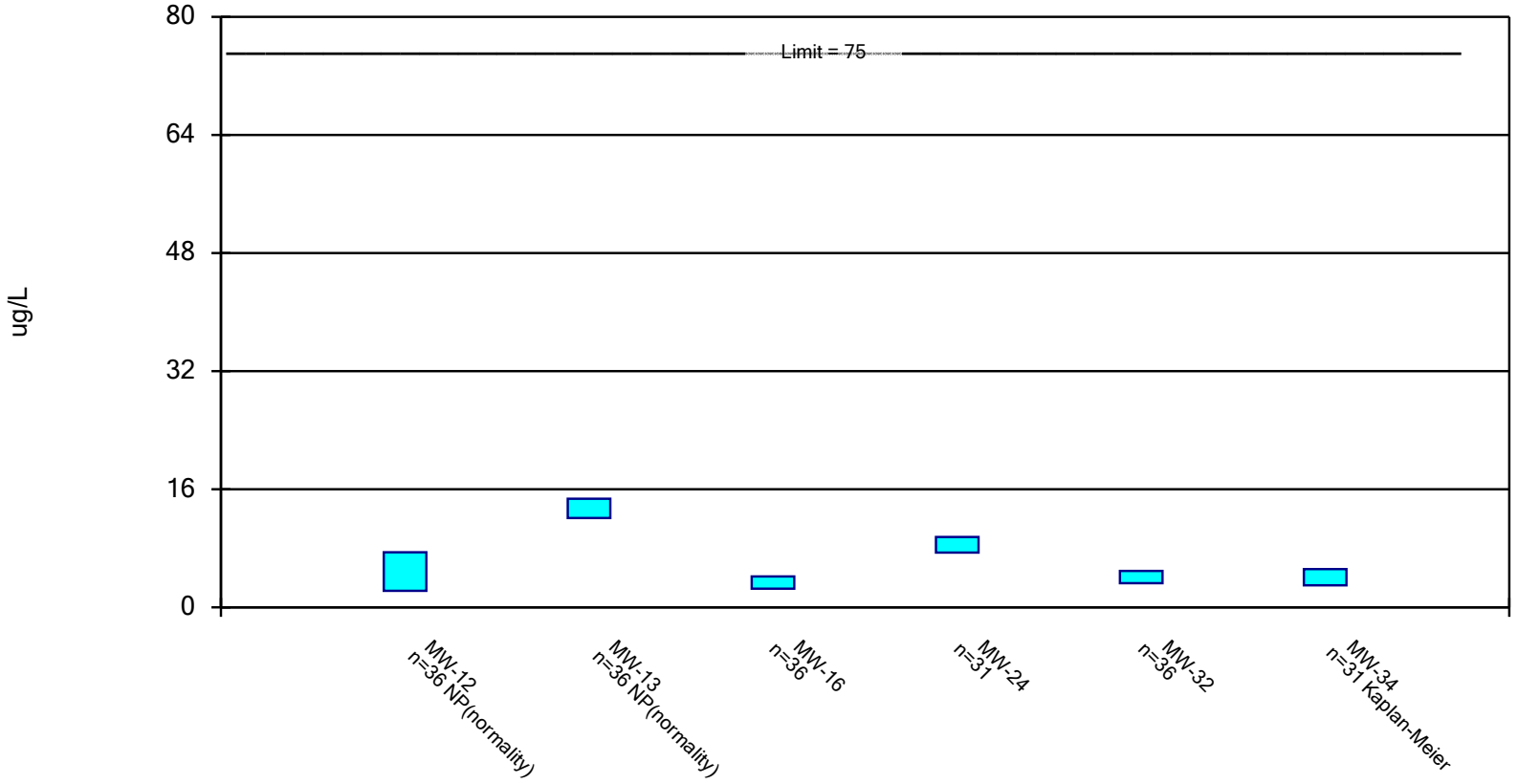
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 1,4-Dichlorobenzene Analysis Run 10/22/2025 10:08 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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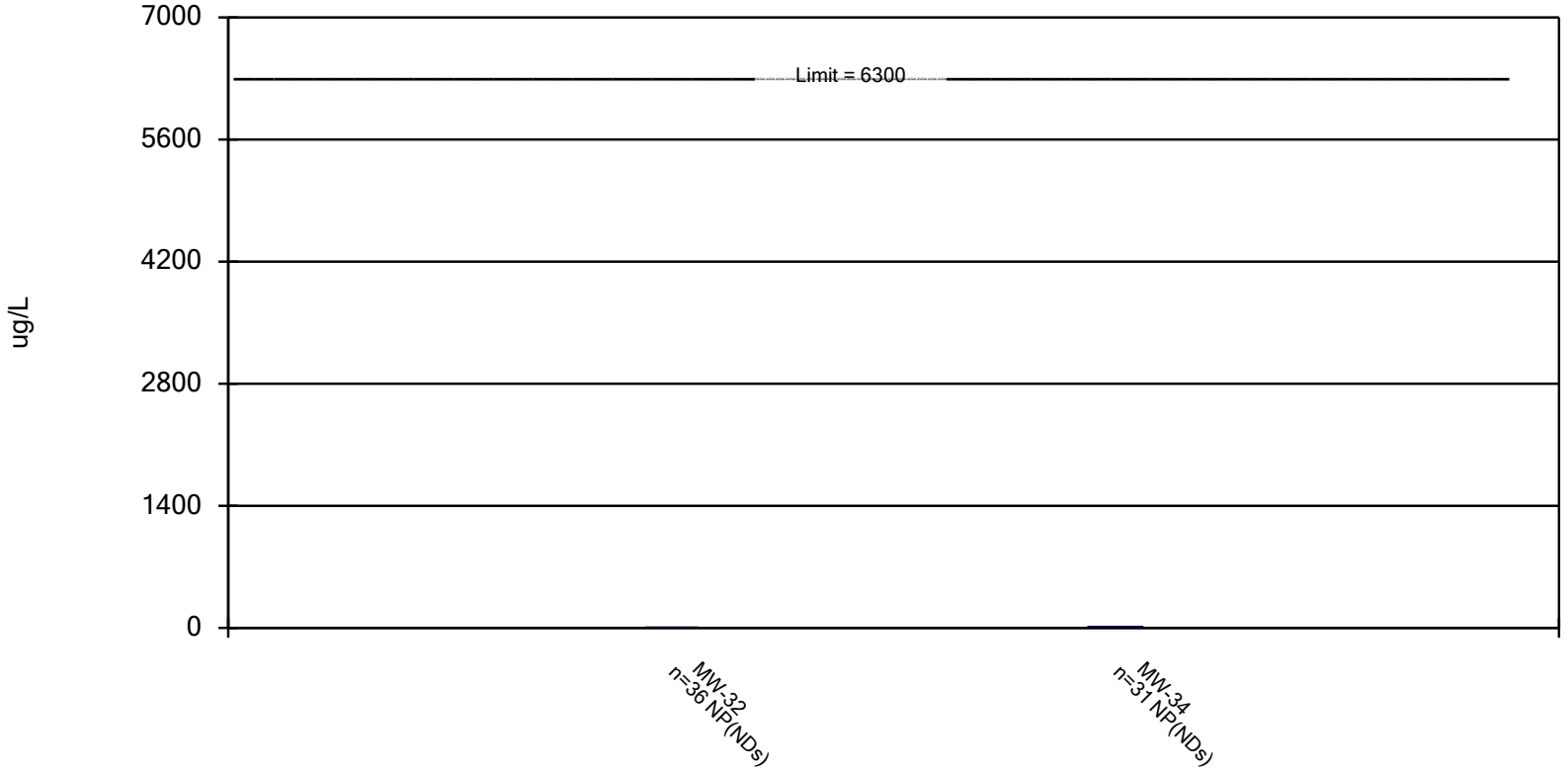
Non-Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Acetone Analysis Run 10/22/2025 10:08 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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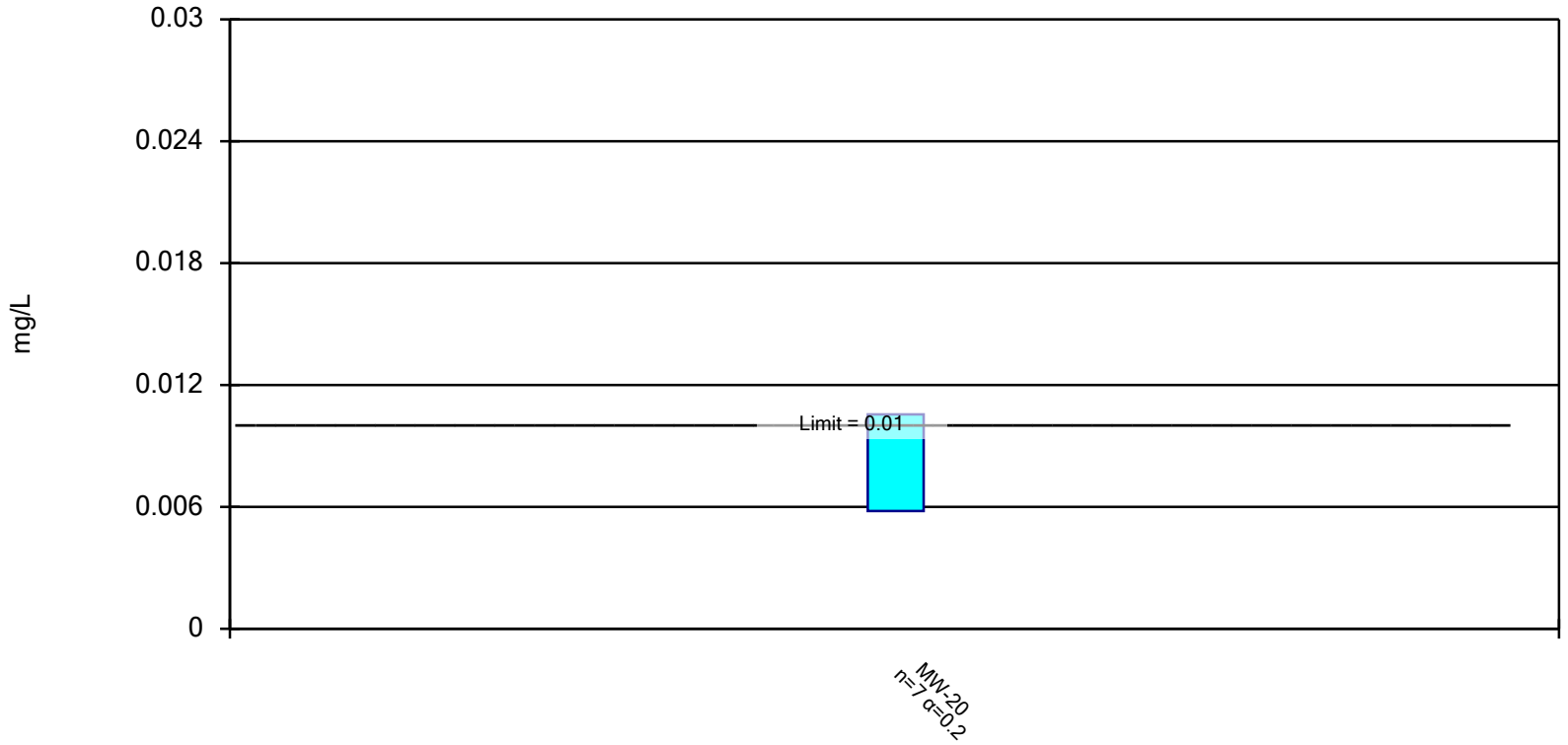
Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 10/22/2025 11:18 AM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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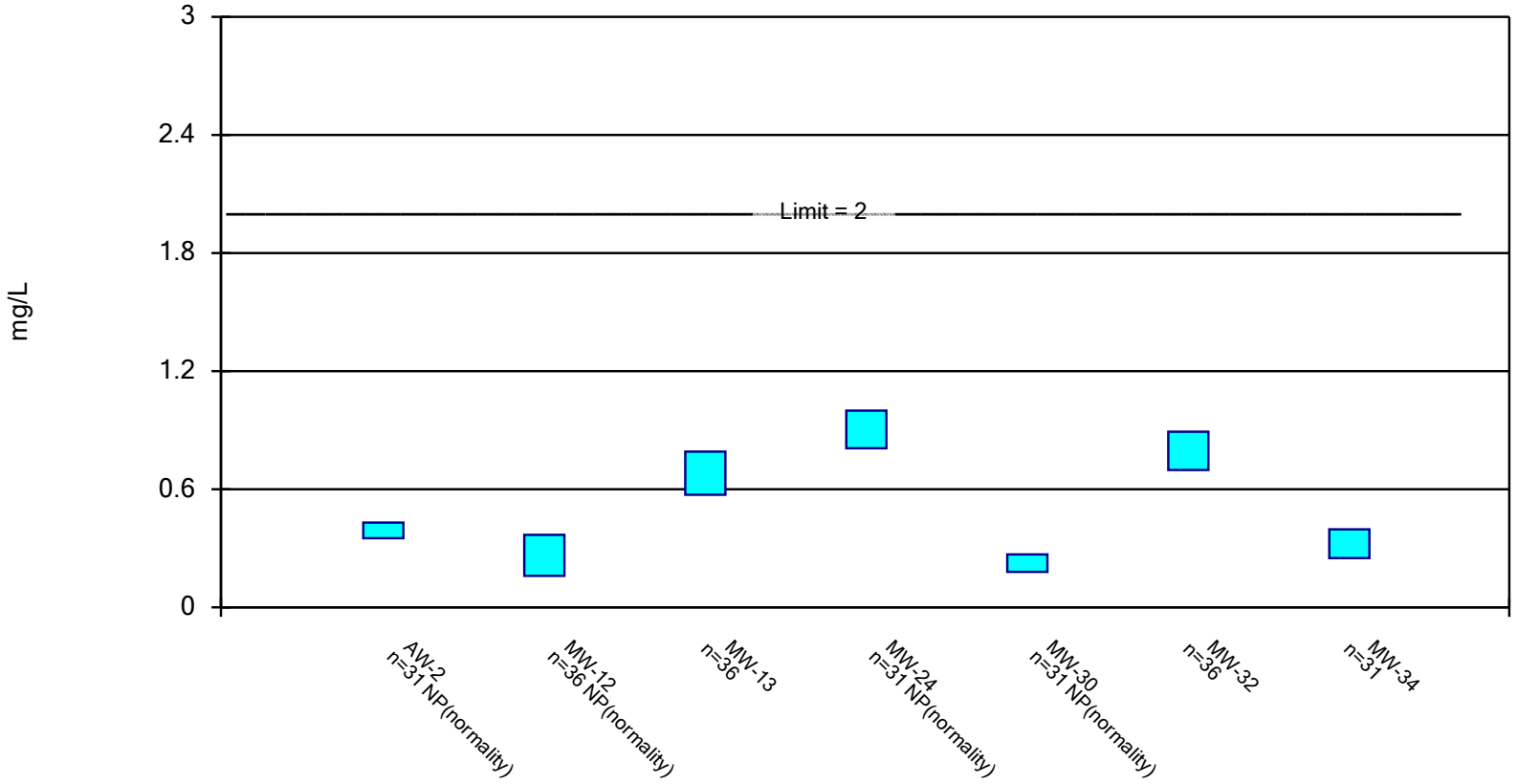
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 10/22/2025 11:44 AM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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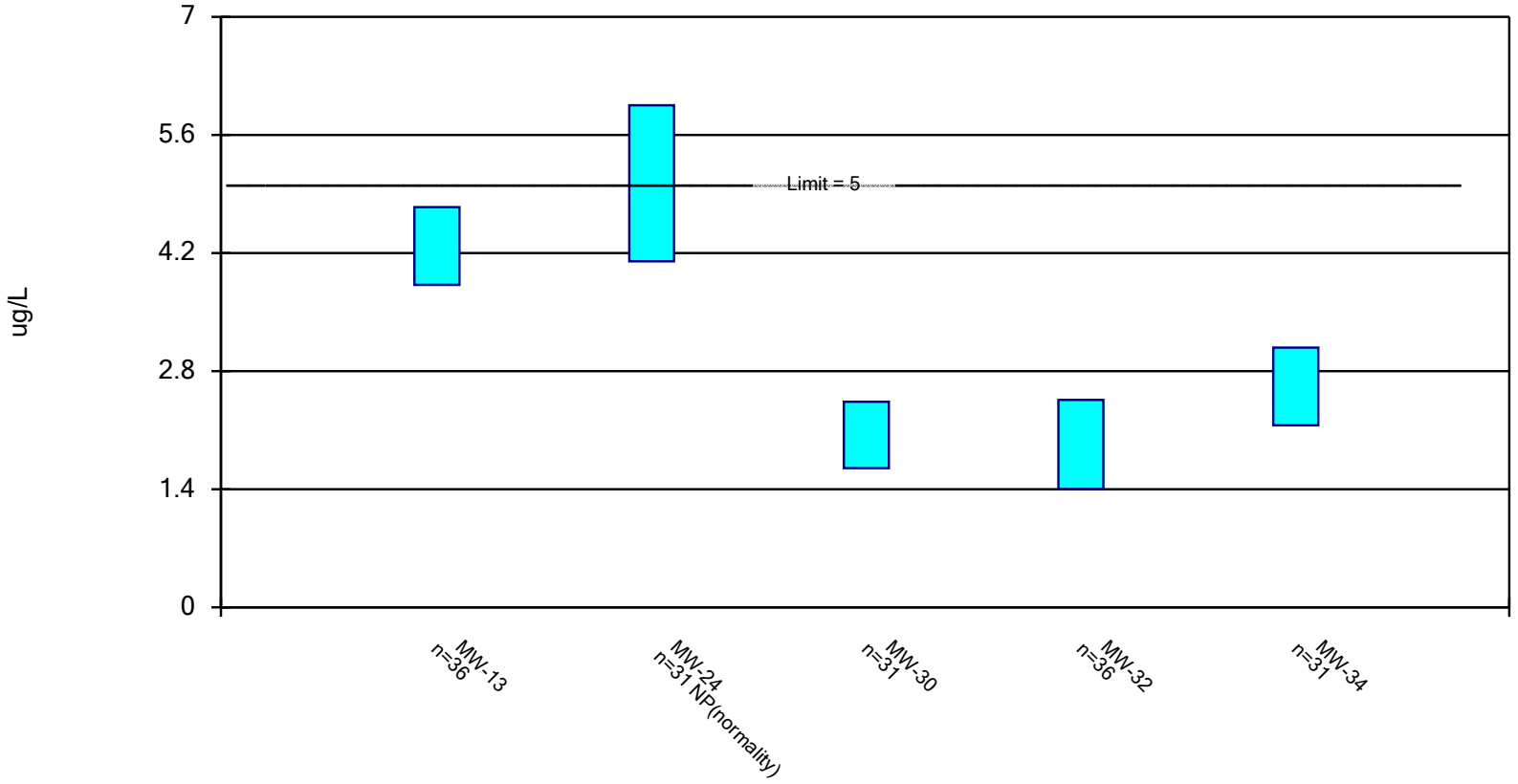
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Benzene Analysis Run 10/22/2025 10:08 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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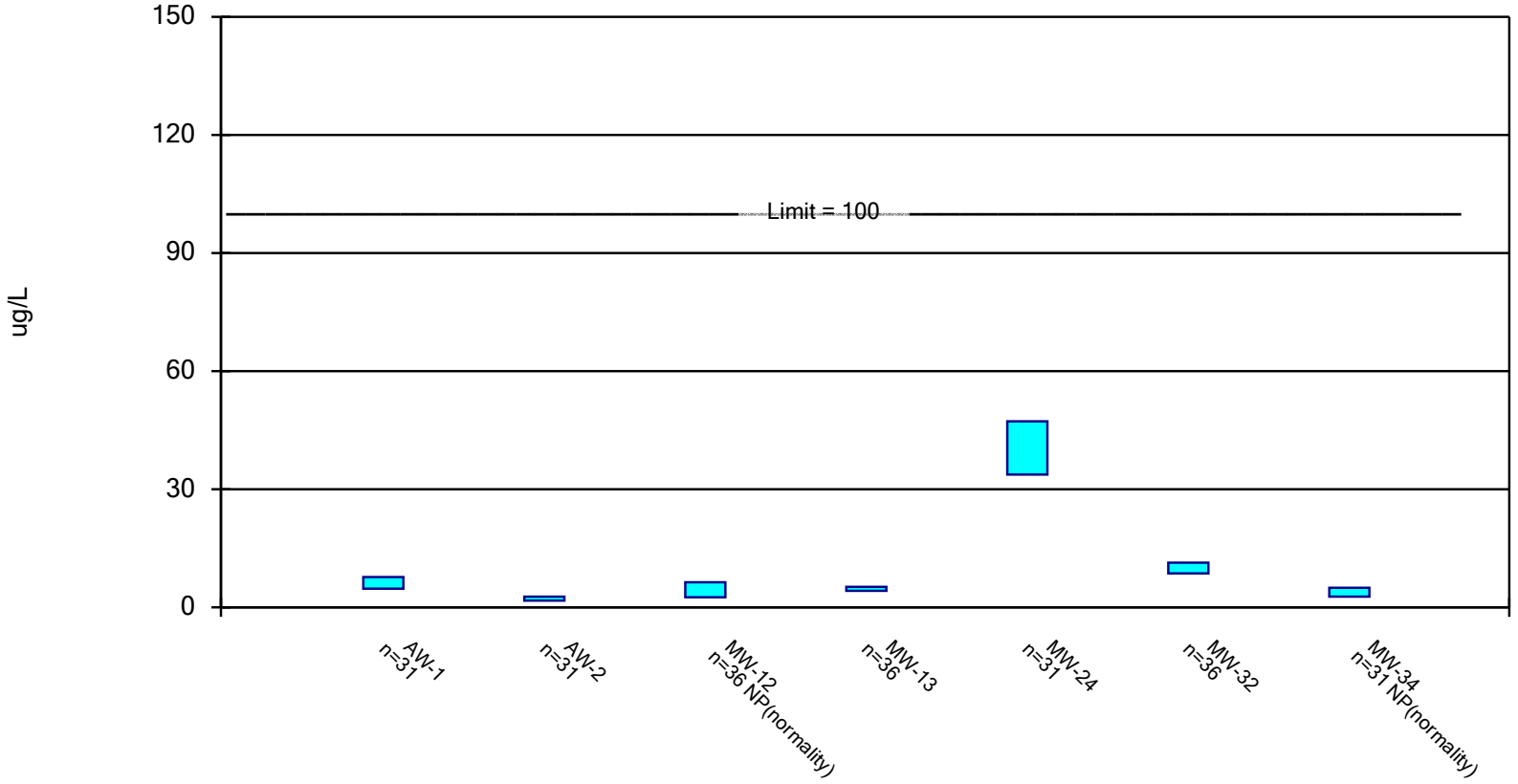
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chlorobenzene Analysis Run 10/22/2025 11:54 AM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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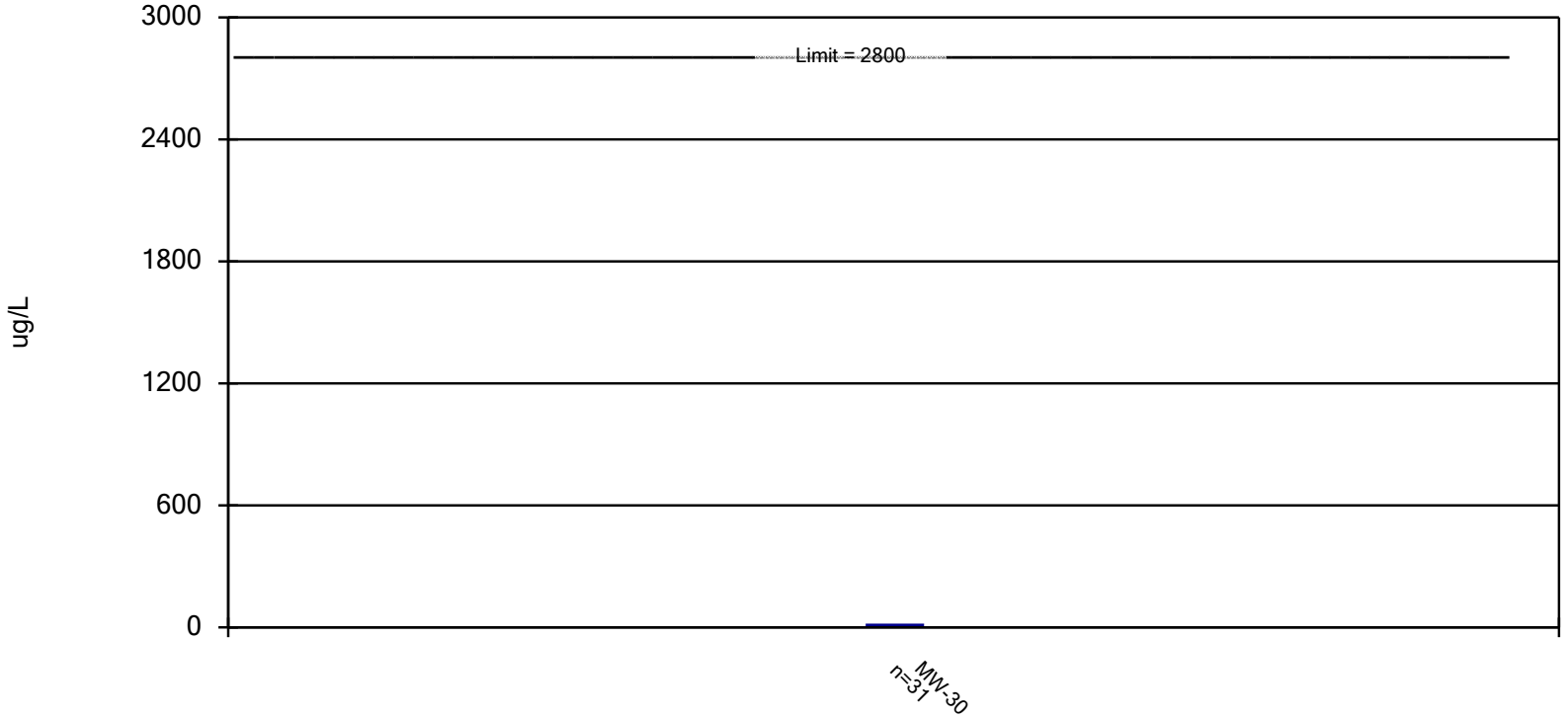
Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chloroethane Analysis Run 10/22/2025 10:08 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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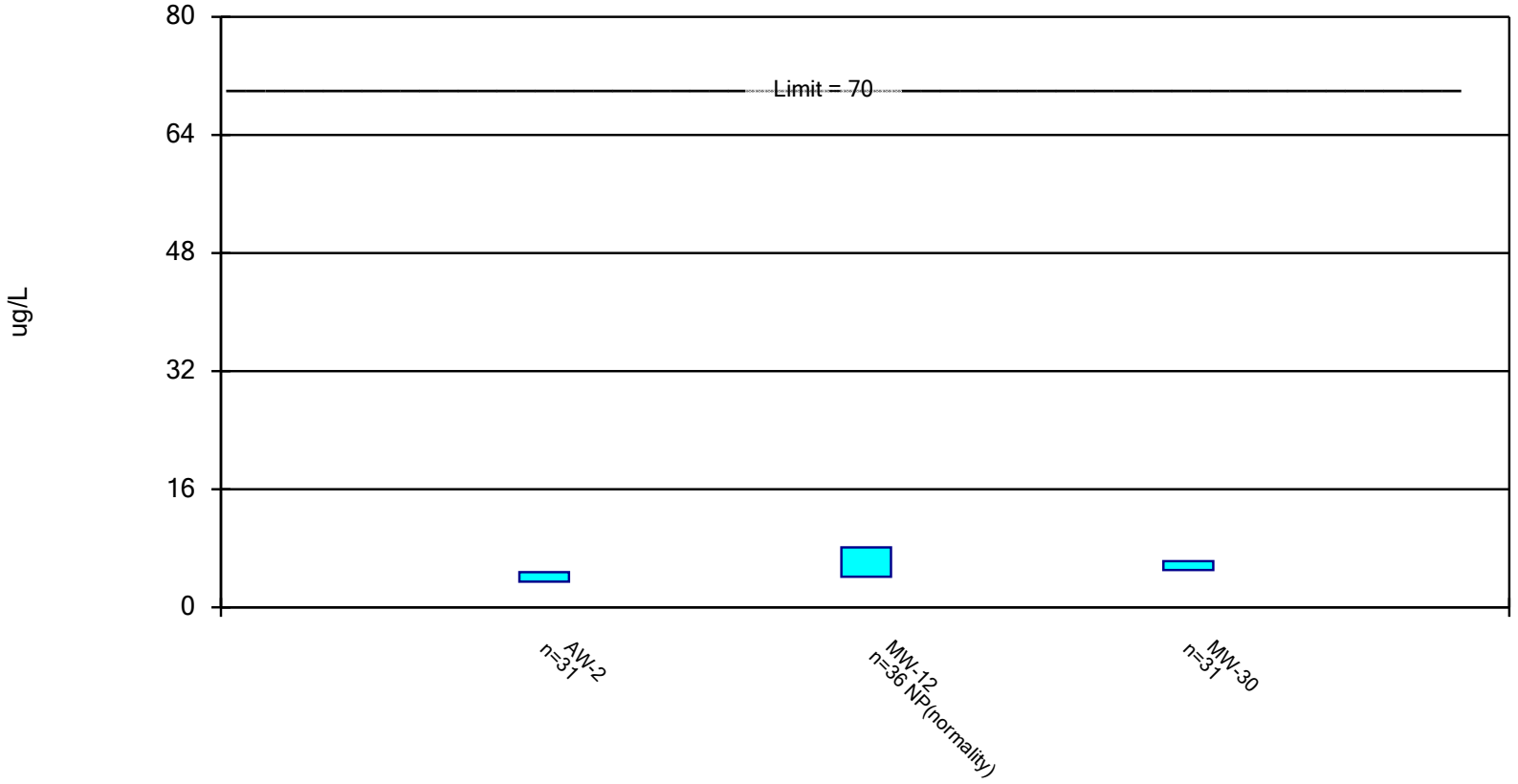
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: cis-1,2-Dichloroethene Analysis Run 10/23/2025 10:51 AM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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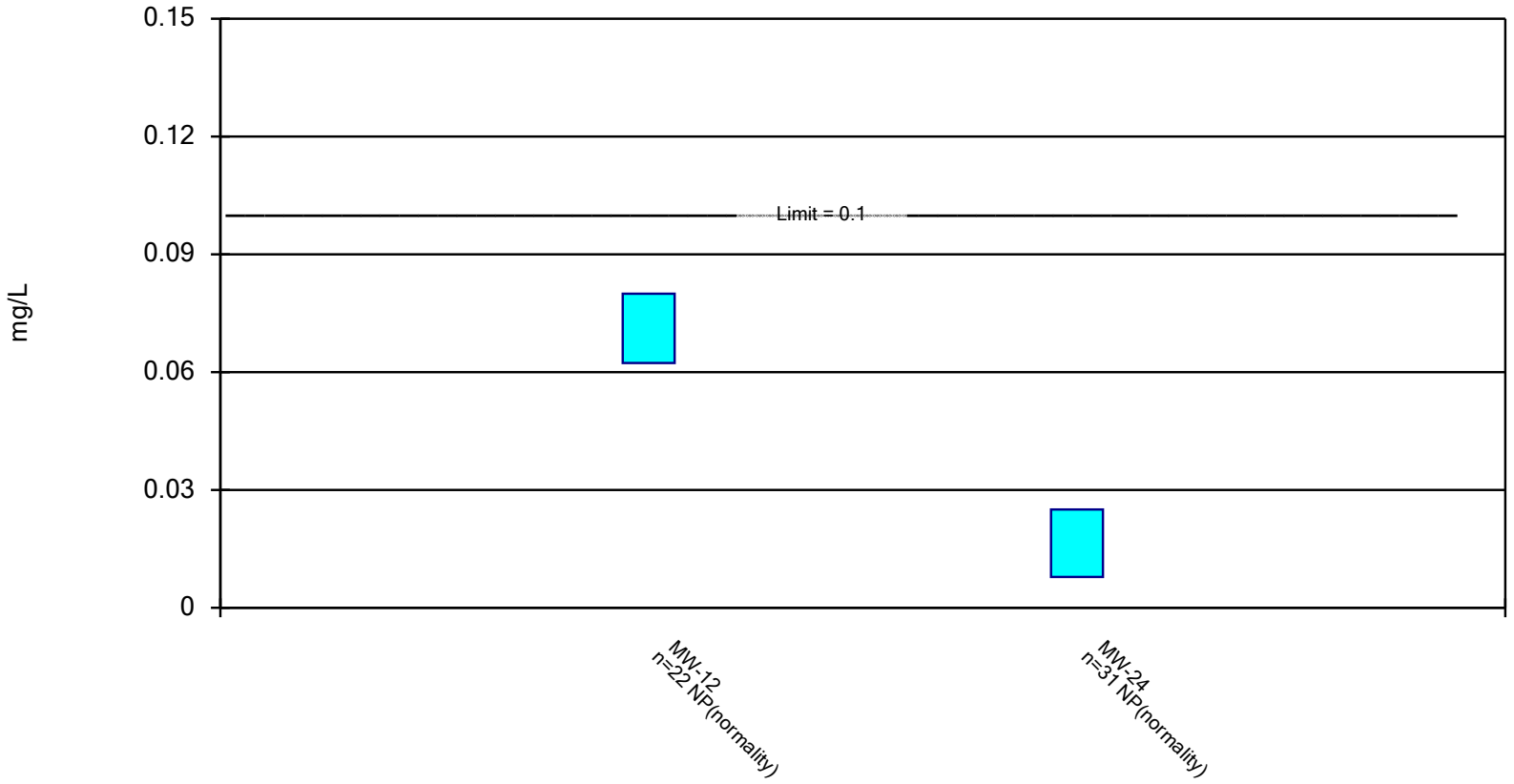
Non-Parametric Confidence Interval - Corrective Action Monitoring Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Nickel Analysis Run 10/22/2025 10:08 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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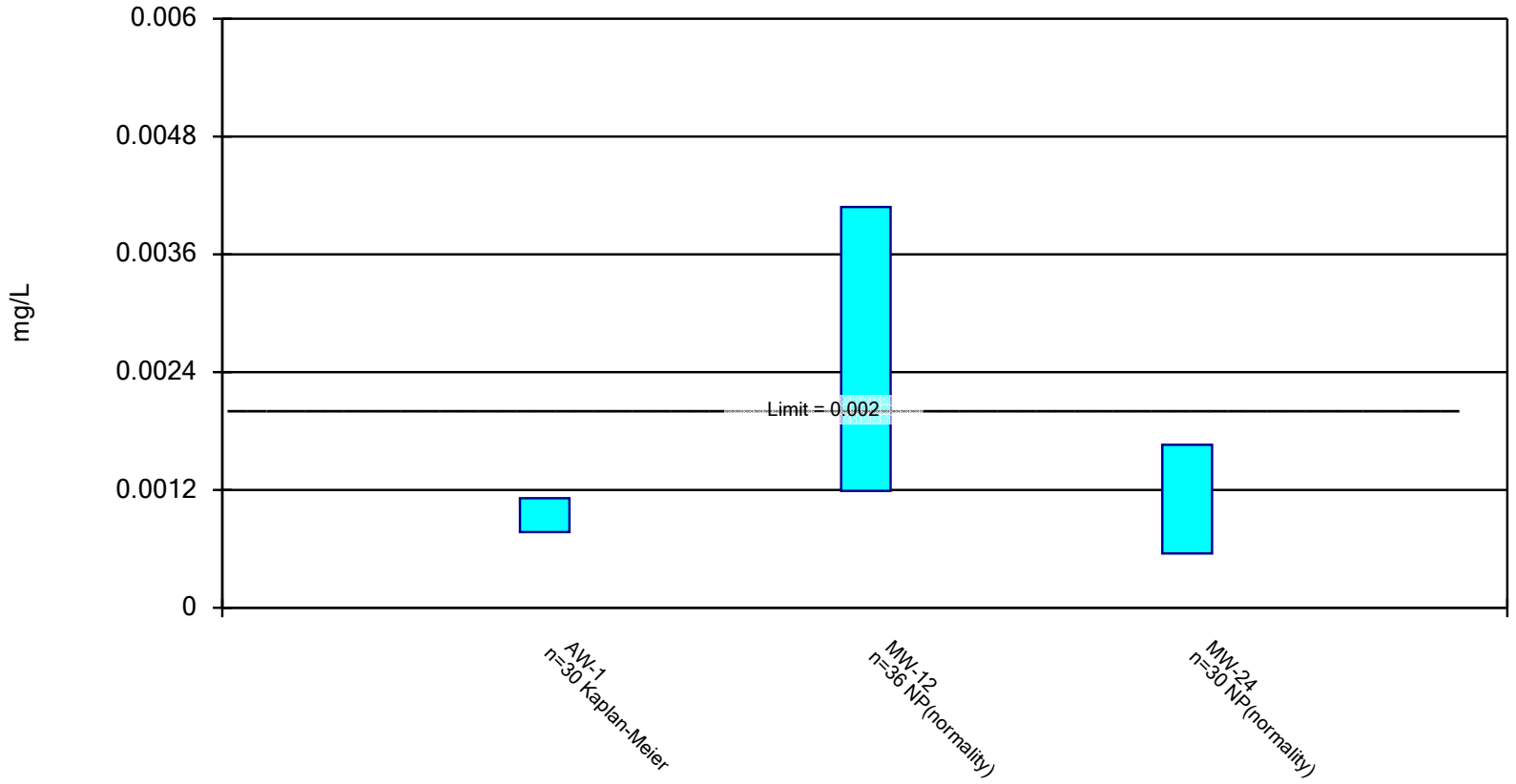
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



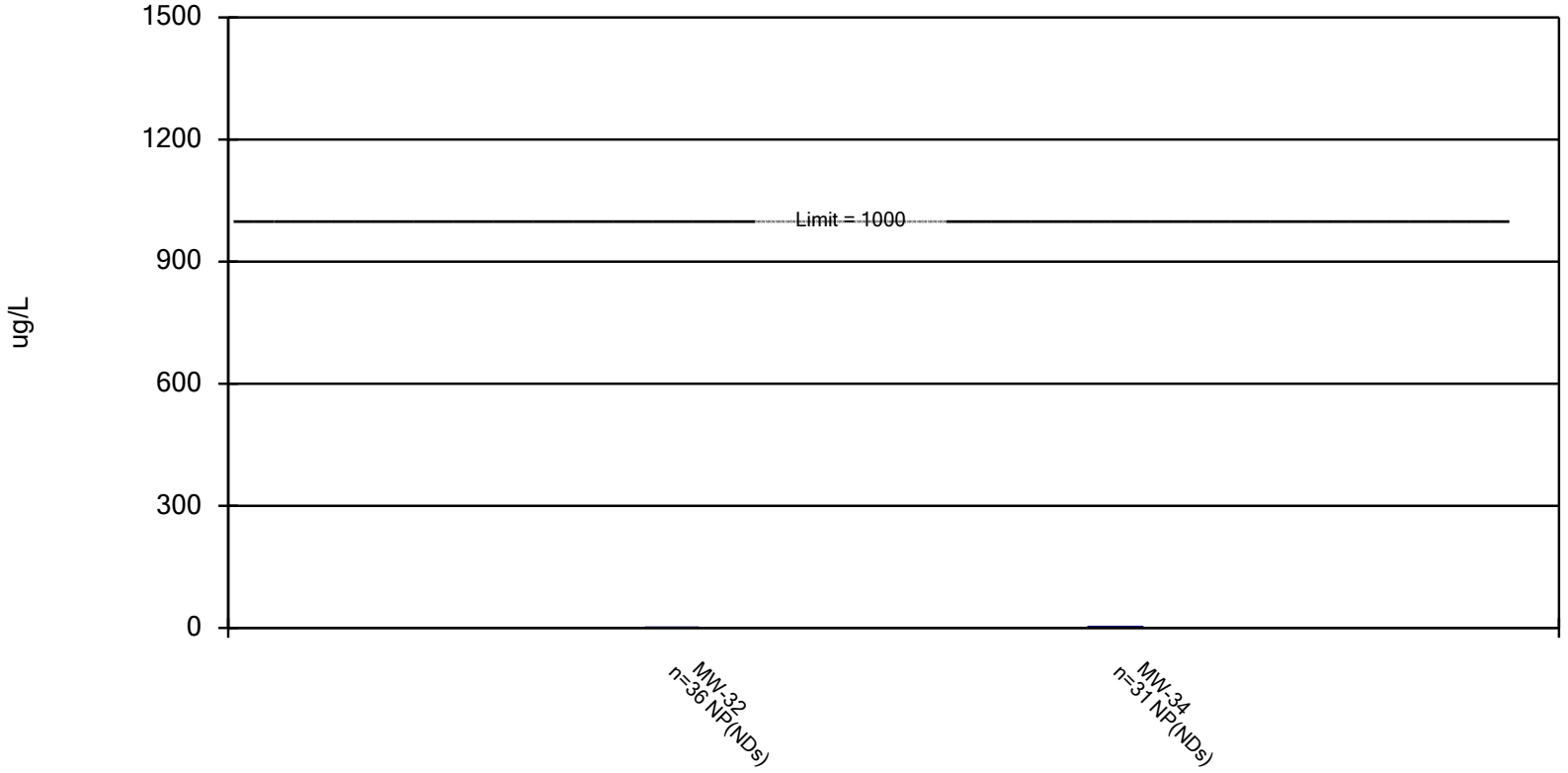
Constituent: Thallium Analysis Run 10/22/2025 10:08 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.01 Software licensed to Foth Infrastructure & Environment, LLC. UG

Non-Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Toluene Analysis Run 10/22/2025 10:09 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Deeper Bedrock

Confidence Interval - Assessment Mode [1]

Constituent Name	Well	Upper Limit	Lower Limit	Compliance Limit [2]	Exceed	N	Mean	Standard Deviation	CV	a to Achieve 50% Power at R=1.5 [3,4]	a to Achieve 80% Power at R=2.0 [3,4]	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Delineation Monitoring Locations - Assessment Constituents																
1,1-Dichloroethane (ug/L)	MW-105B	4.8	2.9	140	No	22	3.8	1.7	0.5	<0.01	<0.01	5	None	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	MW-109B	1.7	1.1	75	No	19	1.4	0.5	0.3	0.02	<0.01	16	None	No	0.02	NP (normality)
Arsenic (mg/L)	MW-105B	0.0011	0.0008	0.01	No	22	0.0019	0.0021	1.1	0.01	<0.01	45	None	No	0.01	NP (normality)
Barium (mg/L)	MW-107B	0.36	0.28	2	No	22	0.34	0.10	0.3	0.01	<0.01	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-108B	0.21	0.18	2	No	14	0.19	0.02	0.1	<0.01	<0.01	0	None	No	0.01	Param.
Barium (mg/L)	MW-109B	0.71	0.66	2	No	19	0.68	0.05	0.1	<0.01	<0.01	0	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-109B	7.3	6.5	100	No	19	6.9	0.7	0.1	<0.01	<0.01	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-102B	0.0010	0.0007	0.0021	No	16	0.0009	0.0003	0.3	<0.01	<0.01	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-107B	0.0030	0.0014	0.0021	No	18	0.0025	0.0015	0.6	0.02	<0.01	0	None	No	0.02	NP (normality)
Nickel (mg/L)	MW-105B	0.012	0.010	0.1	No	22	0.011	0.003	0.2	0.01	<0.01	0	None	No	0.01	NP (normality)
Nickel (mg/L)	MW-107B	0.016	0.010	0.1	No	22	0.014	0.006	0.4	0.01	<0.01	5	None	No	0.01	NP (normality)
Nickel (mg/L)	MW-108B	0.009	0.007	0.1	No	14	0.008	0.002	0.2	<0.01	<0.01	0	None	No	0.01	Param.
Nickel (mg/L)	MW-109B	0.040	0.035	0.1	No	19	0.037	0.004	0.1	<0.01	<0.01	0	None	No	0.01	Param.
Thallium (mg/L)	MW-107B	0.0031	0.0019	0.002	No	22	0.0025	0.0012	0.5	<0.01	<0.01	5	None	No	0.01	Param.
Assessment Monitoring Locations																
Arsenic (mg/L)	MW-18	0.0018	0.0009	0.01	No	32	0.0017	0.0020	1.2	<0.01	<0.01	50	None	No	0.01	NP (normality)
Barium (mg/L)	MW-25	0.22	0.18	2	No	31	0.20	0.04	0.2	<0.01	<0.01	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-11	0.0009	0.0007	0.0021	No	18	0.0008	0.0002	0.2	0.02	<0.01	0	None	No	0.02	NP (normality)
Cobalt (mg/L)	MW-15	0.0028	0.0015	0.0021	No	19	0.0022	0.0011	0.5	<0.01	<0.01	0	None	No	0.01	Param.
Nickel (mg/L)	MW-15	0.009	0.006	0.1	No	19	0.008	0.003	0.4	<0.01	<0.01	5	None	No	0.01	Param.
Nickel (mg/L)	MW-18	0.011	0.009	0.1	No	19	0.010	0.002	0.2	<0.01	<0.01	0	None	No	0.01	Param.
Nickel (mg/L)	MW-19	0.013	0.007	0.1	No	19	0.010	0.003	0.3	0.02	<0.01	0	None	No	0.02	NP (normality)
Corrective Action Monitoring Locations - Assessment Constituents																
1,1-Dichloroethane (ug/L)	AW-6	5.1	2.1	140	No	31	5.2	5.6	1.1	<0.01	<0.01	6	None	No	0.01	NP (normality)
1,1-Dichloroethane (ug/L)	MW-14	11.3	1.7	140	No	36	6.9	6.5	0.9	<0.01	<0.01	6	None	No	0.01	NP (normality)
1,1-Dichloroethane (ug/L)	MW-22	6.5	1.7	140	No	31	4.5	4.1	0.9	<0.01	<0.01	3	None	No	0.01	NP (normality)
1,2-Dichlorobenzene (ug/L)	MW-14	1.6	1.2	600	No	36	1.4	0.5	0.4	<0.01	<0.01	11	None	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	MW-14	8.2	5.3	75	No	36	6.8	3.6	0.5	<0.01	<0.01	14	None	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	MW-22	1.5	1.2	75	No	31	1.2	0.6	0.5	<0.01	<0.01	29	Kaplan-Meier	No	0.01	Param.
1,4-Dichlorobenzene (ug/L)	MW-36	2.5	1.7	75	No	31	2.1	0.9	0.4	<0.01	<0.01	10	None	No	0.01	Param.
Barium (mg/L)	AW-6	0.13	0.10	2	No	31	0.12	0.03	0.3	<0.01	<0.01	3	None	No	0.01	Param.
Barium (mg/L)	CRL-9	0.54	0.44	2	No	31	0.53	0.13	0.3	<0.01	<0.01	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-14	0.75	0.17	2	No	36	0.54	0.38	0.7	<0.01	<0.01	3	None	No	0.01	NP (normality)
Barium (mg/L)	MW-22	0.67	0.61	2	No	31	0.64	0.07	0.1	<0.01	<0.01	0	None	No	0.01	Param.
Barium (mg/L)	MW-33	0.55	0.45	2	No	36	0.50	0.11	0.2	<0.01	<0.01	0	None	No	0.01	Param.
Barium (mg/L)	MW-36	0.65	0.60	2	No	31	0.64	0.07	0.1	<0.01	<0.01	0	None	No	0.01	NP (normality)
Benzene (ug/L)	CRL-9	2.44	1.55	5	No	31	1.99	1.01	0.5	<0.01	<0.01	0	None	No	0.01	Param.
Benzene (ug/L)	MW-14	3.14	2.14	5	No	36	2.64	1.23	0.5	<0.01	<0.01	3	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-14	3.6	2.7	100	No	36	3.2	1.1	0.4	<0.01	<0.01	8	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-22	4.1	3.2	100	No	31	3.5	1.0	0.3	<0.01	<0.01	6	None	No	0.01	NP (normality)
Chlorobenzene (ug/L)	MW-33	4.9	3.7	100	No	36	4.3	1.6	0.4	<0.01	<0.01	3	None	No	0.01	Param.
Chlorobenzene (ug/L)	MW-36	9.0	6.5	100	No	31	7.7	2.8	0.4	<0.01	<0.01	3	None	No	0.01	Param.
Cobalt (mg/L)	MW-14	0.0013	0.0008	0.0021	No	23	0.0012	0.0007	0.6	0.01	<0.01	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-33	0.0013	0.0012	0.0021	No	23	0.0012	0.0001	0.1	<0.01	<0.01	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-36	0.0017	0.0013	0.0021	No	18	0.0015	0.0003	0.2	0.02	<0.01	0	None	No	0.02	NP (normality)

Deeper Bedrock

Confidence Interval - Assessment Mode [1]

Constituent Name	Well	Upper Limit	Lower Limit	Compliance Limit [2]	Exceed	N	Mean	Standard Deviation	CV	a to Achieve 50% Power at R=1.5 [3,4]	a to Achieve 80% Power at R=2.0 [3,4]	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Corrective Action Monitoring Locations - Assessment Constituents Continued																
Nickel (mg/L)	AW-6	0.029	0.026	0.1	No	18	0.027	0.002	0.1	<0.01	<0.01	0	None	No	0.01	Param.
Nickel (mg/L)	CRL-9	0.025	0.018	0.1	No	18	0.021	0.005	0.3	<0.01	<0.01	0	None	No	0.01	Param.
Nickel (mg/L)	MW-14	0.019	0.014	0.1	No	23	0.019	0.010	0.5	0.01	<0.01	0	None	No	0.01	NP (normality)
Nickel (mg/L)	MW-22	0.036	0.029	0.1	No	18	0.033	0.006	0.2	<0.01	<0.01	0	None	No	0.01	Param.
Nickel (mg/L)	MW-36	0.009	0.007	0.1	No	18	0.008	0.002	0.2	<0.01	<0.01	0	None	No	0.01	Param.

[1] Under assessment mode, an SSL is indicated when the lower confidence limit exceeds the groundwater protection standard (compliance limit).

[2] Value is the 40 CFR Part 141 Safe Drinking Water Act MCL or the IAC 567 Chapter 137 Statewide Standard for a Protected Groundwater Source.

[3] For parametric confidence intervals: Except where otherwise indicated, based on Unified Guidance Equation 22.2, i.e., $\alpha \sim 1 - F_{T,n-1}\left(\frac{(R-1)\sqrt{n}}{R+\widehat{CV}} - t_{1-\beta,n-1}\right)$
where R is the desired risk ratio, n is the sample size, CV is the estimated sample coefficient of variation, $t_{1\text{-}b,n\text{-}1}$ is the (1−b) Student's t-quantile with (n−1) degrees of freedom, and F is the cumulative (central) Student's t-distribution function.

[4] For non-parametric confidence intervals: Based on Unified Guidance Equation 22.1, i.e., $1-\beta = G_{T,n-1}\left(t_{1-\alpha,n-1}\middle|\Delta = \sqrt{n}(R-1)\right)$
where R is the desired risk ratio, $t_{1\text{-}a,n\text{-}1}$ is the (1−a) Student's t-quantile with (n−1) degrees of freedom and G represents the cumulative non-central t-distribution with (n−1) degrees of freedom and noncentrality parameter D.

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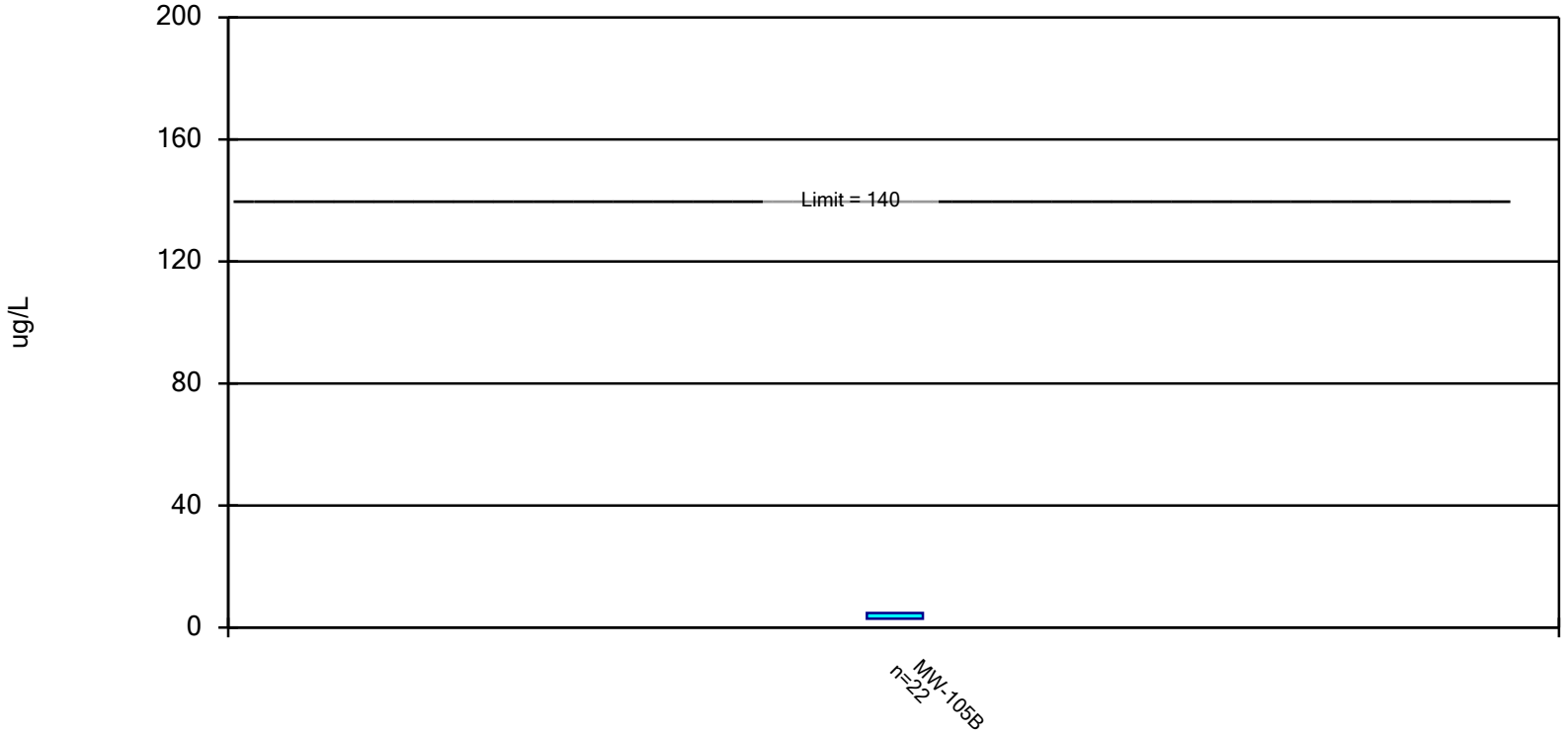
Parametric Confidence Interval - Delineation Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 1,1-Dichloroethane Analysis Run 10/22/2025 4:25 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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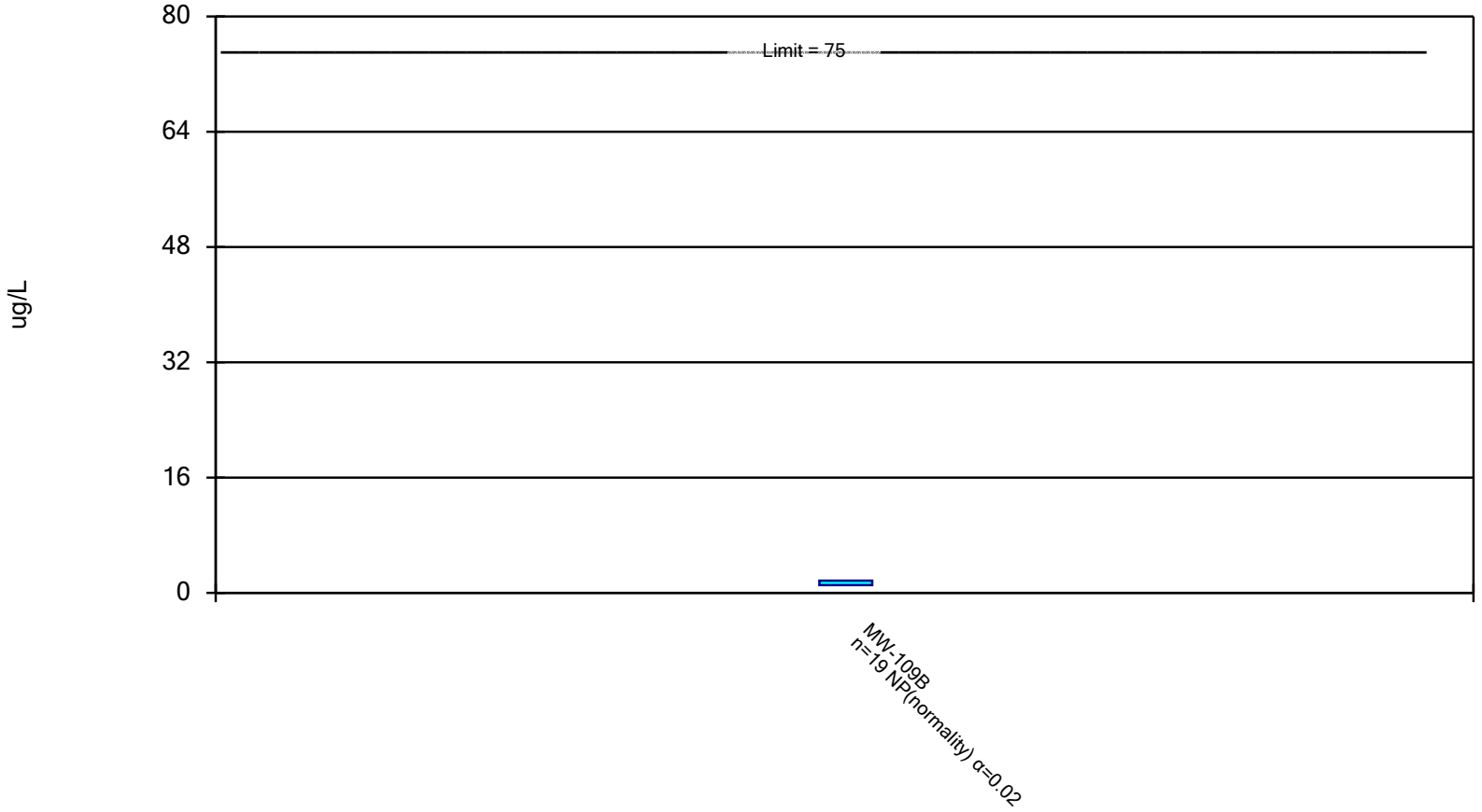
Non-Parametric Confidence Interval - Delineation Monitoring - Assessment Constituents

Compliance Limit is not exceeded.



Constituent: 1,4-Dichlorobenzene Analysis Run 10/22/2025 4:29 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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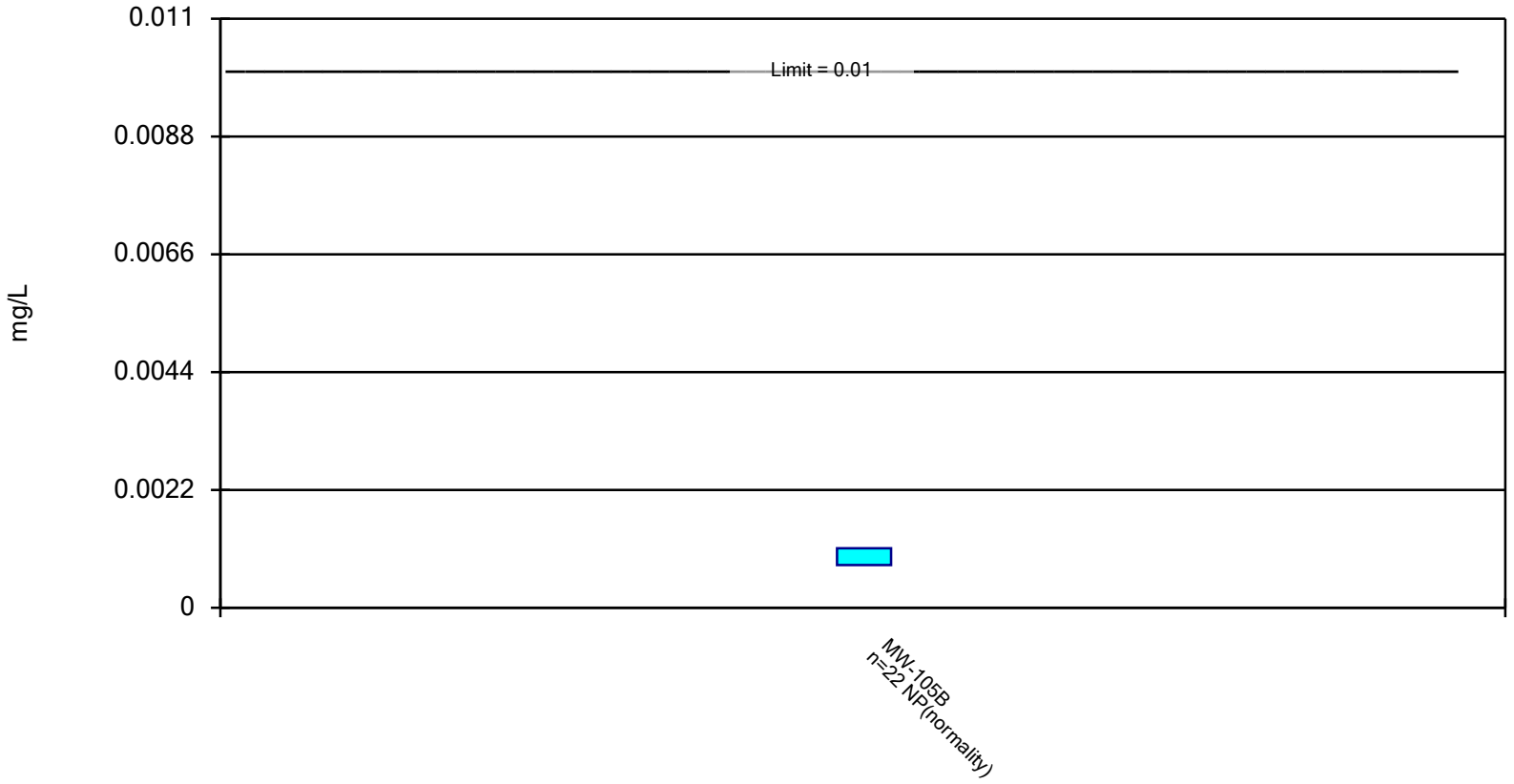
Non-Parametric Confidence Interval - Delineation Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Arsenic Analysis Run 10/22/2025 4:25 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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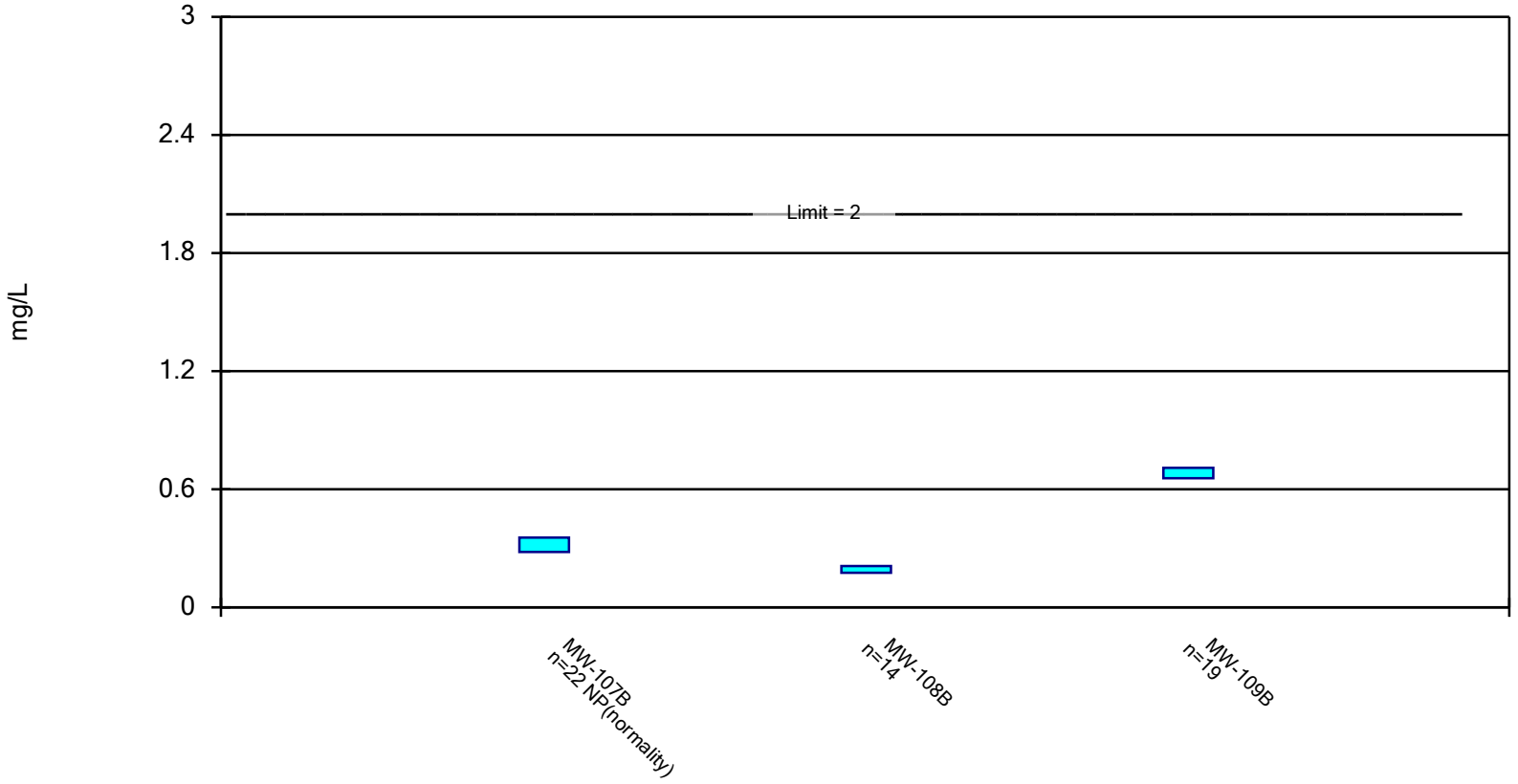
Parametric and Non-Parametric (NP) Confidence Interval - Delineation Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 10/22/2025 4:25 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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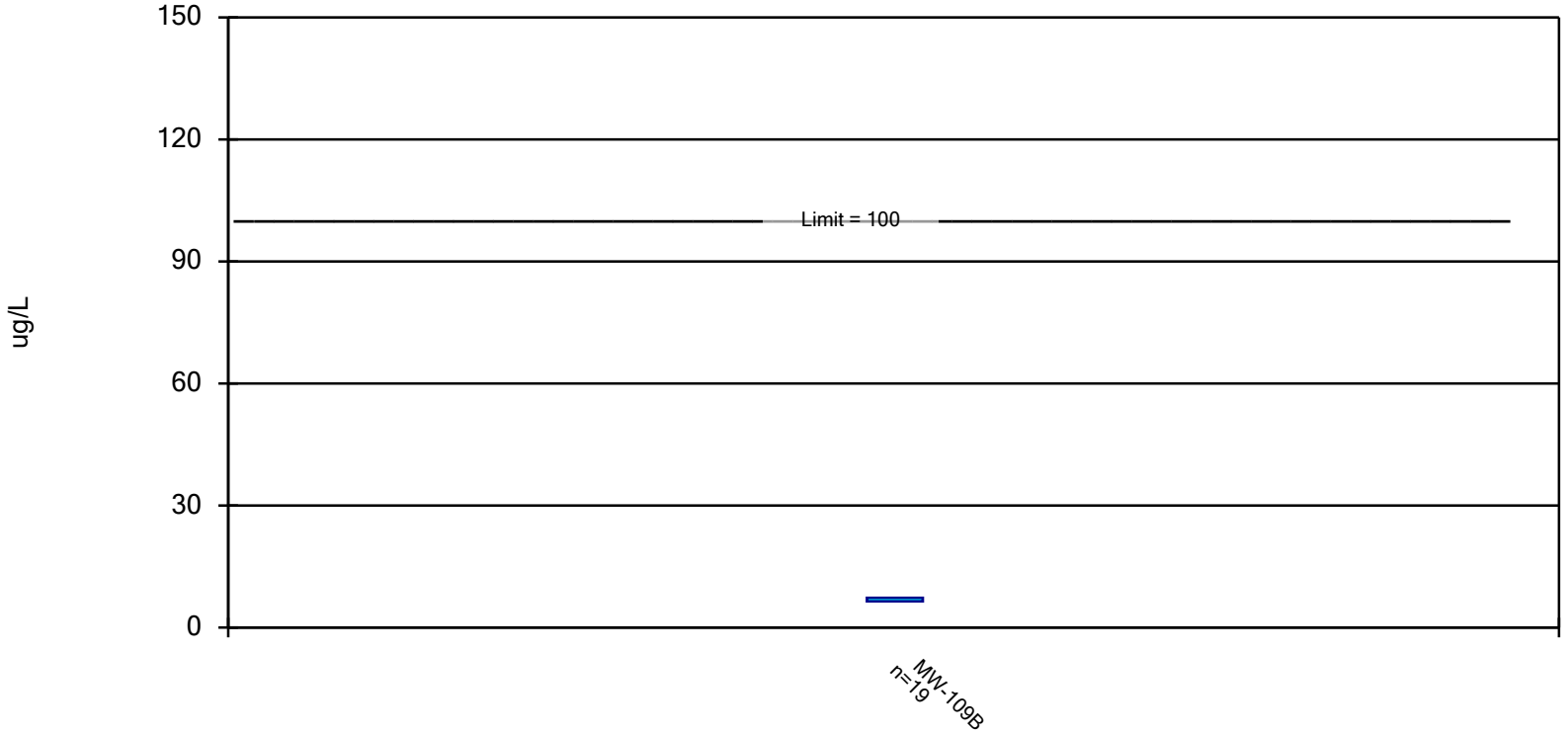
Parametric Confidence Interval - Delineation Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chlorobenzene Analysis Run 10/22/2025 4:25 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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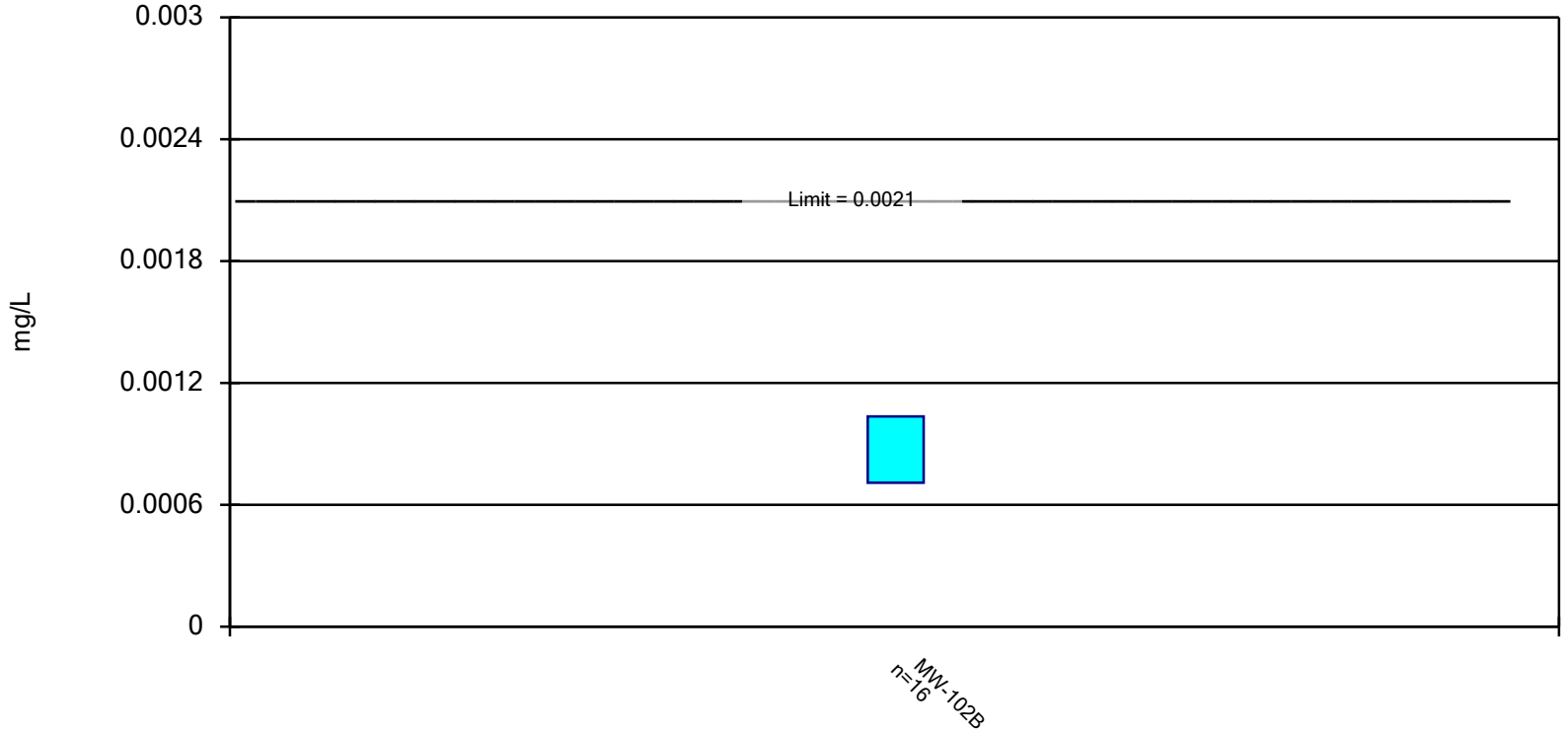
Parametric Confidence Interval - Delineation Monitoring - Assessment Constituent

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 10/22/2025 4:25 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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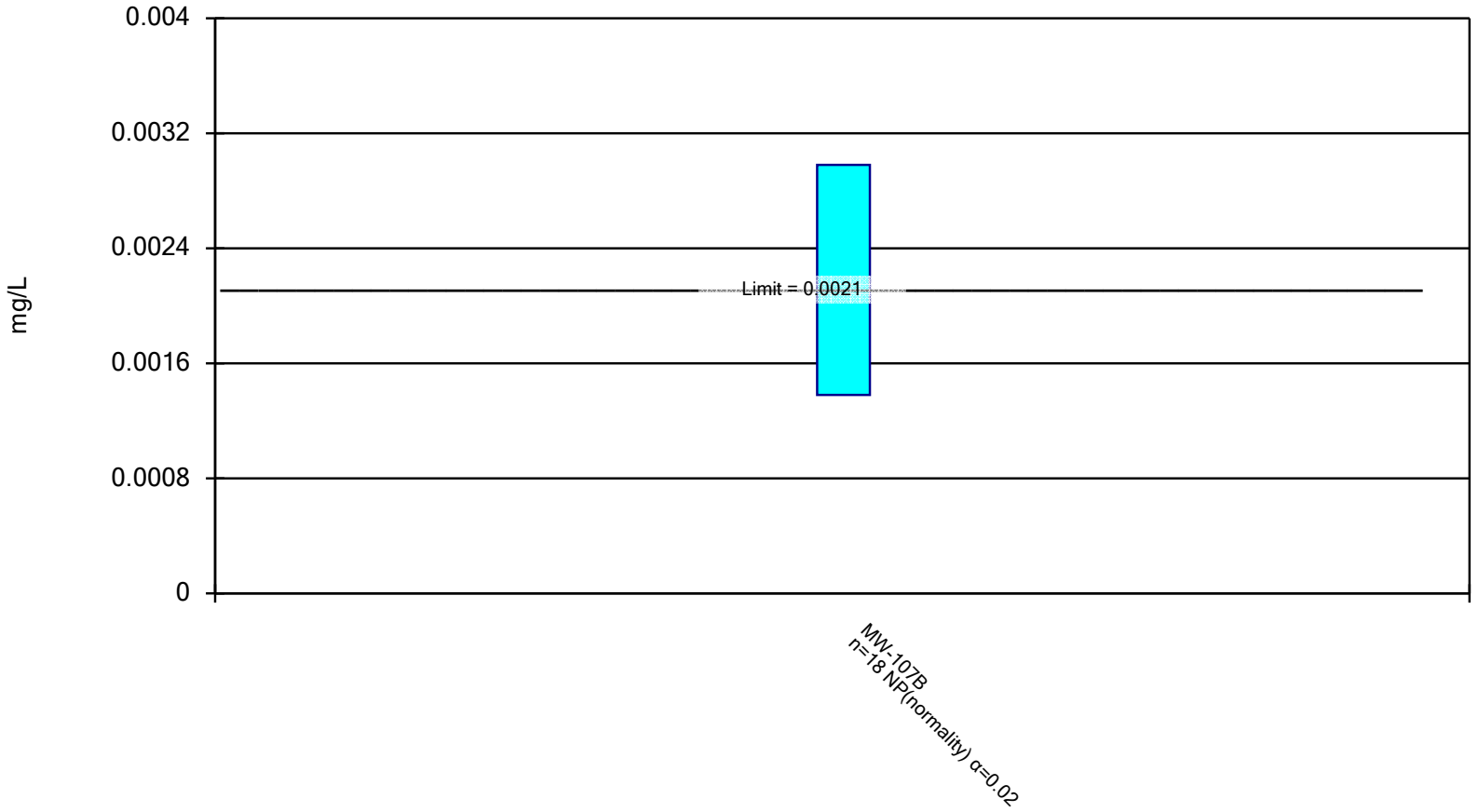
Non-Parametric Confidence Interval - Delineation Monitoring - Assessment Constituents

Compliance Limit is not exceeded.



Constituent: Cobalt Analysis Run 10/22/2025 4:27 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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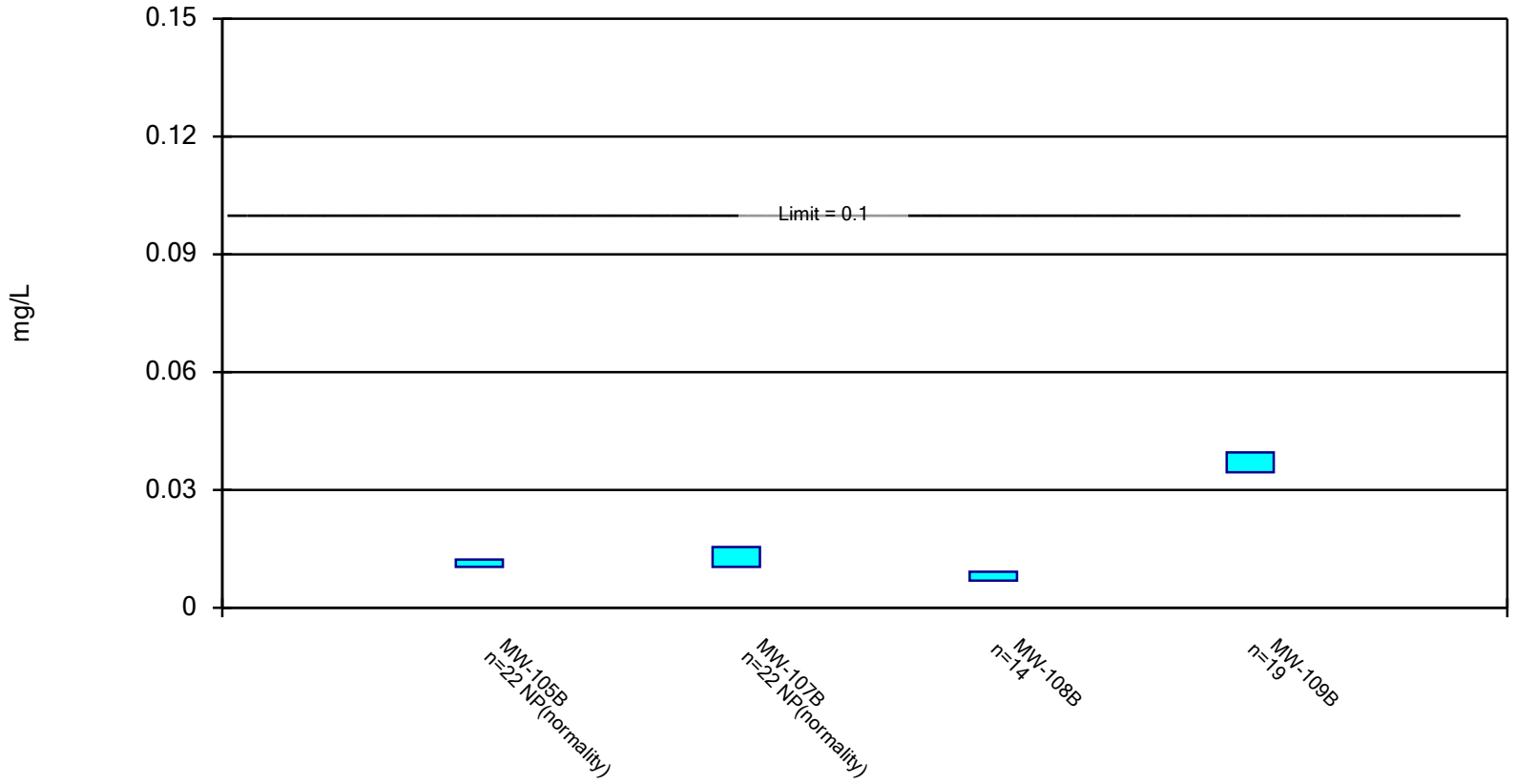
Parametric and Non-Parametric (NP) Confidence Interval - Delineation Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Nickel Analysis Run 10/22/2025 4:25 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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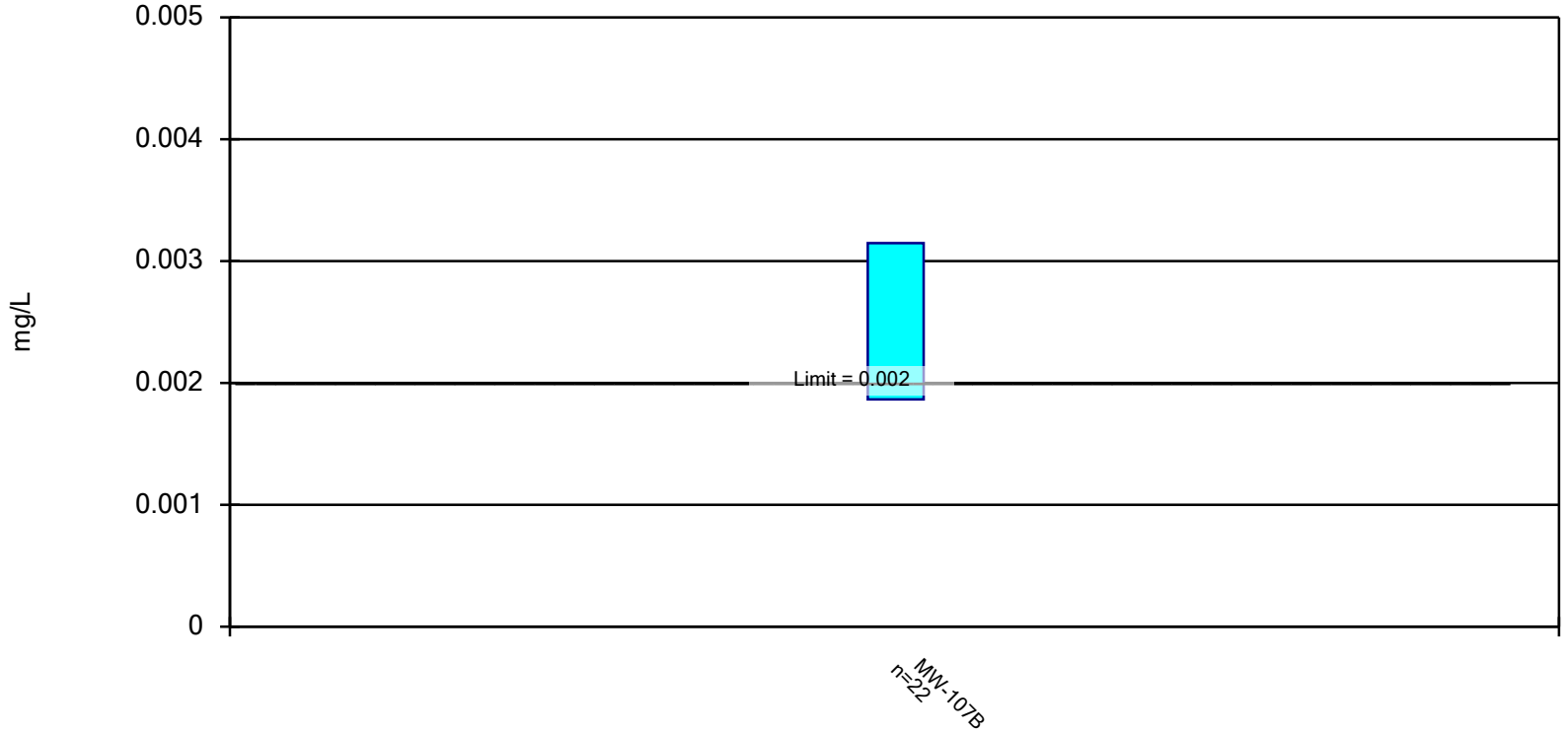
Parametric Confidence Interval - Delineation Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 10/22/2025 4:25 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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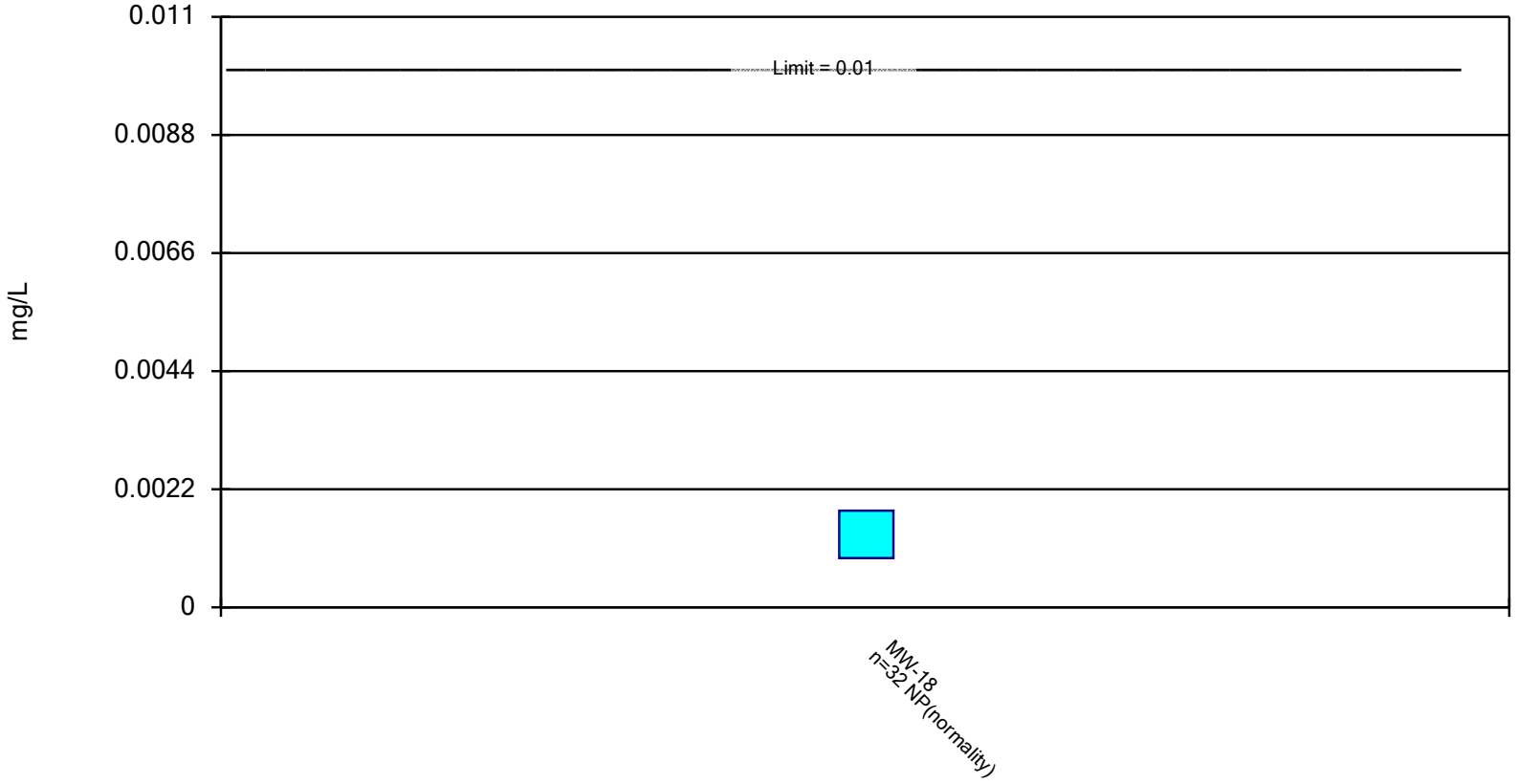
Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Arsenic Analysis Run 10/22/2025 2:14 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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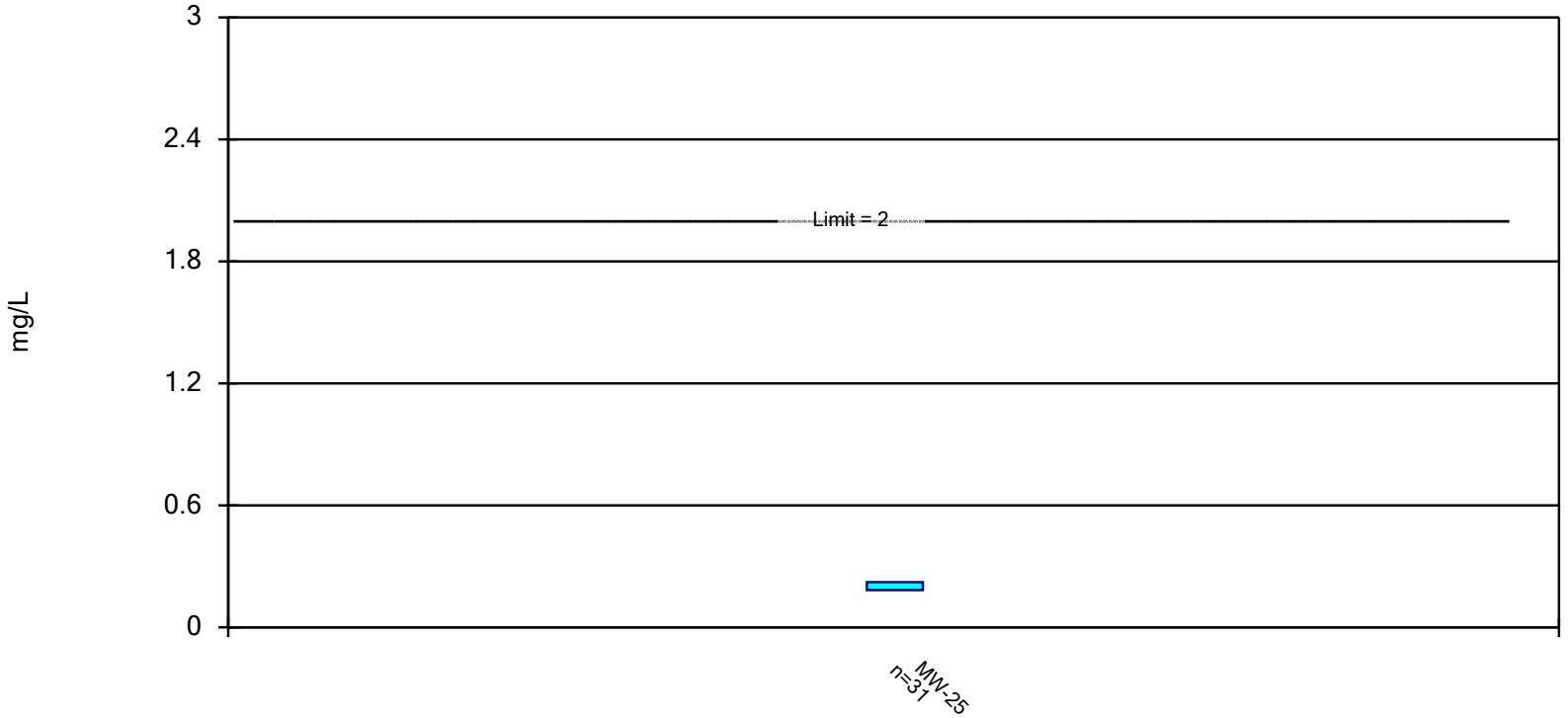
Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 10/22/2025 2:14 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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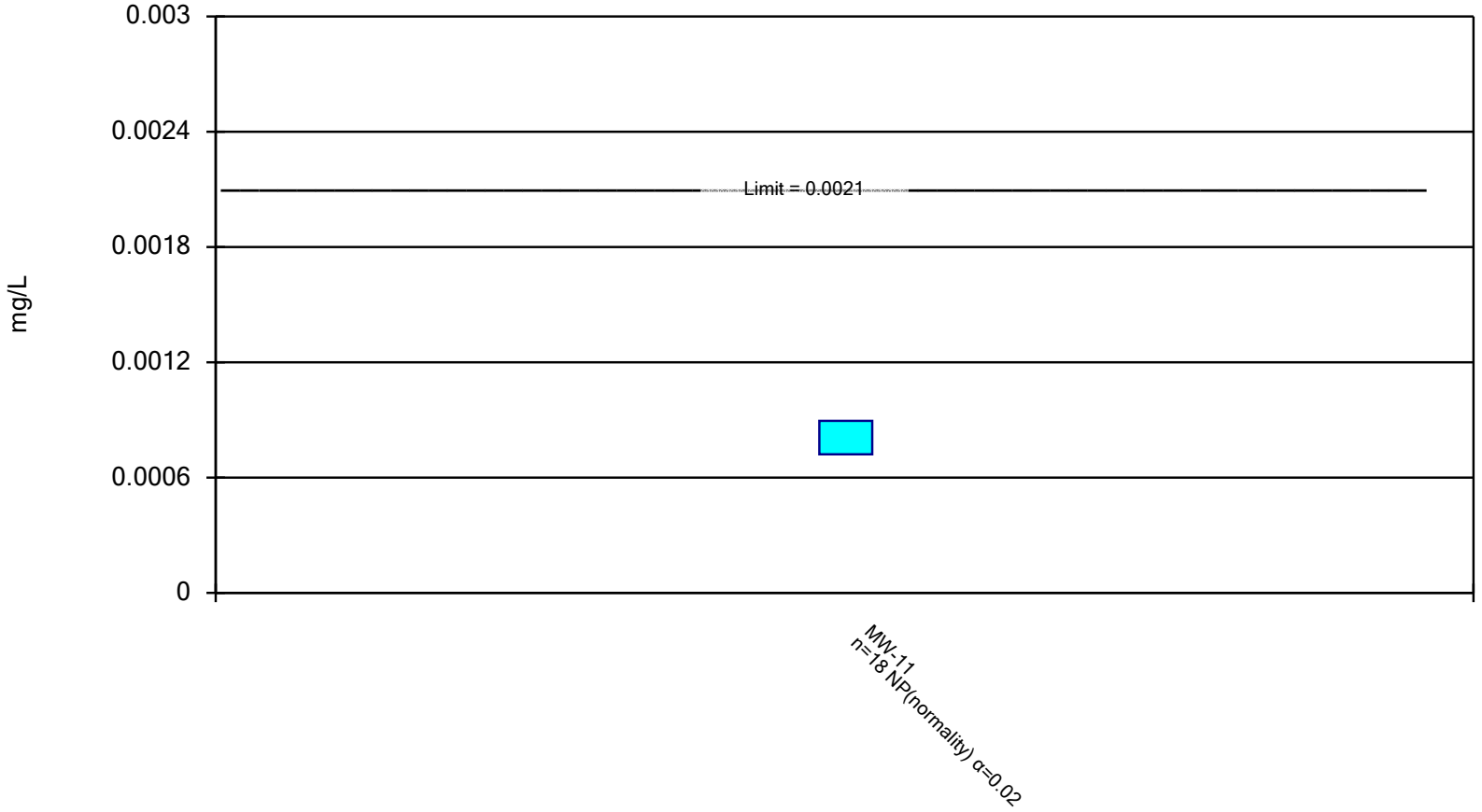
Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded.



Constituent: Cobalt Analysis Run 10/22/2025 2:26 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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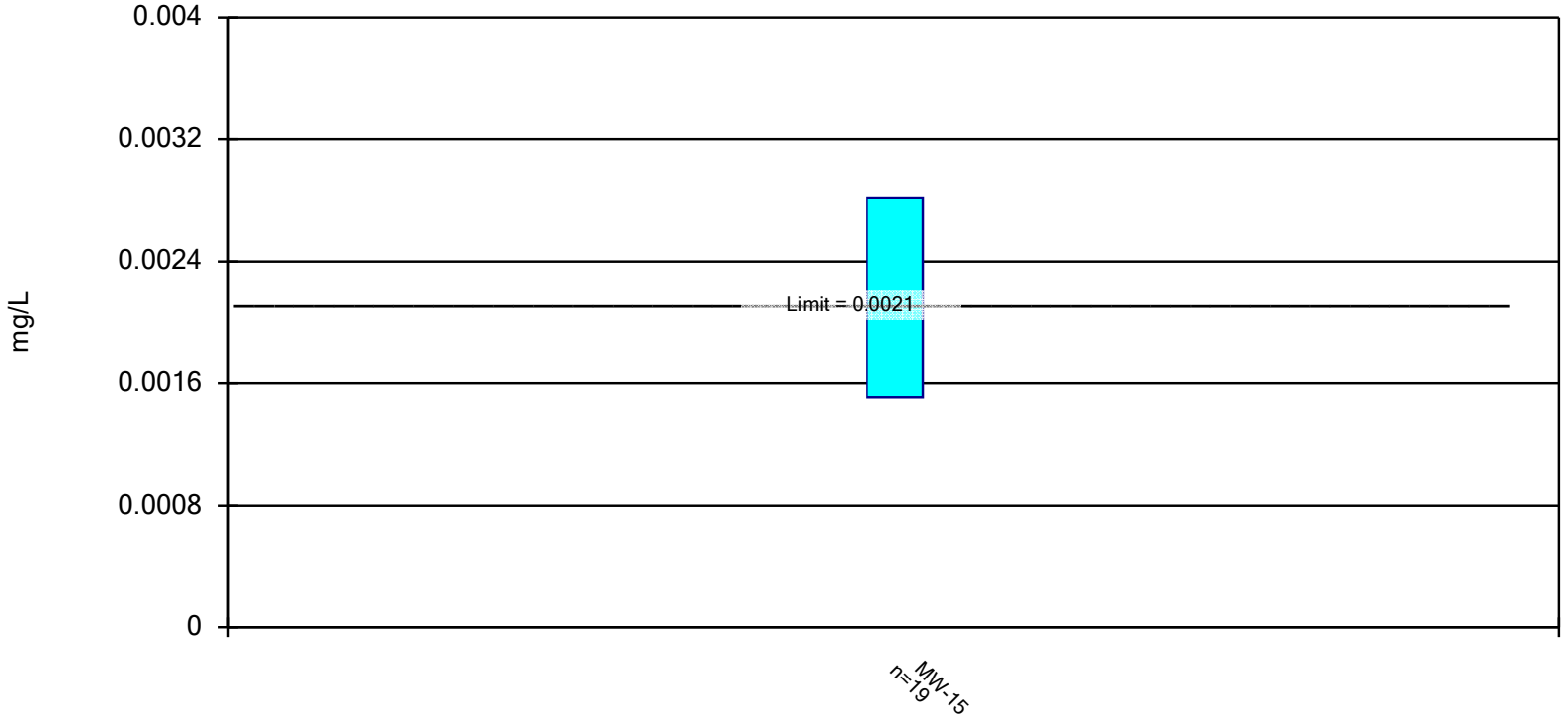
Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 10/22/2025 2:29 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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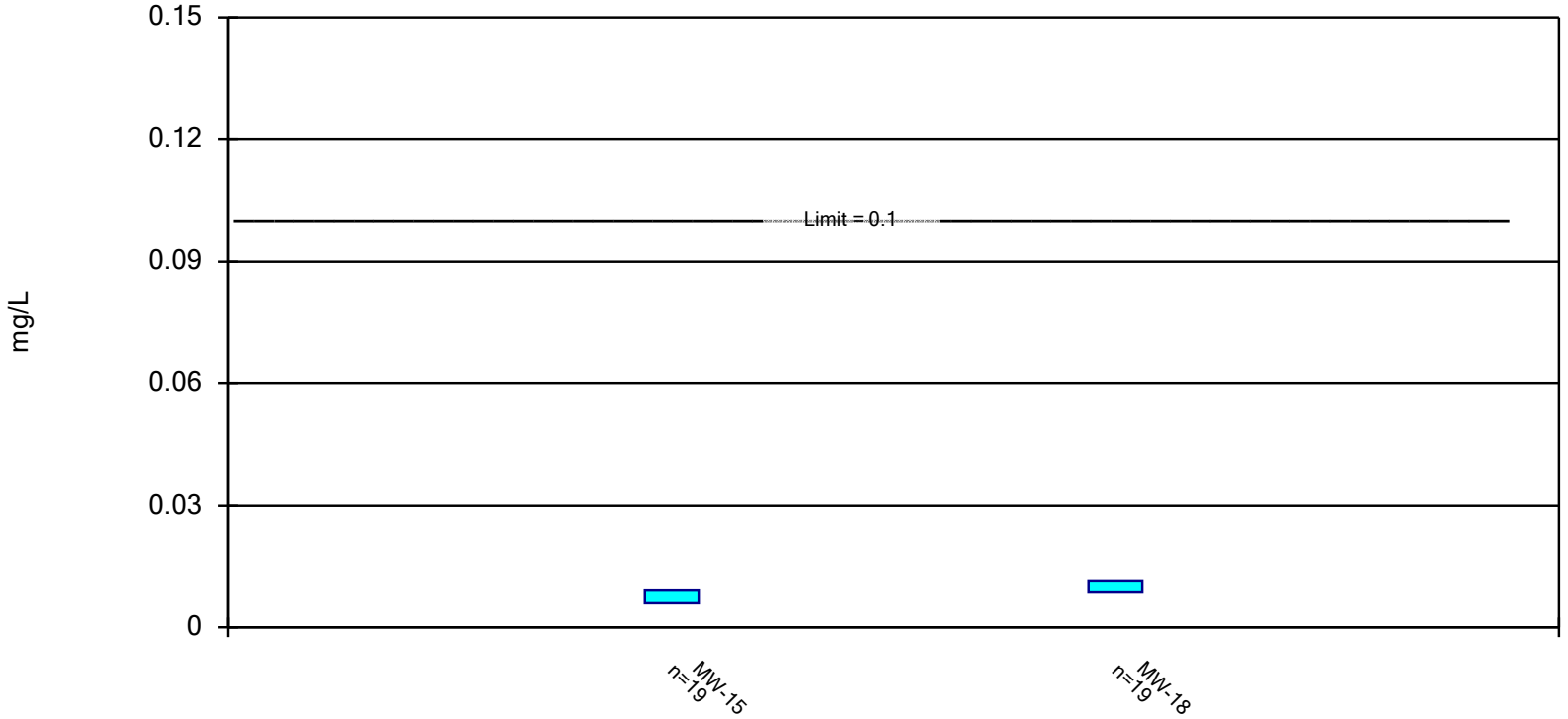
Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Nickel Analysis Run 10/22/2025 2:36 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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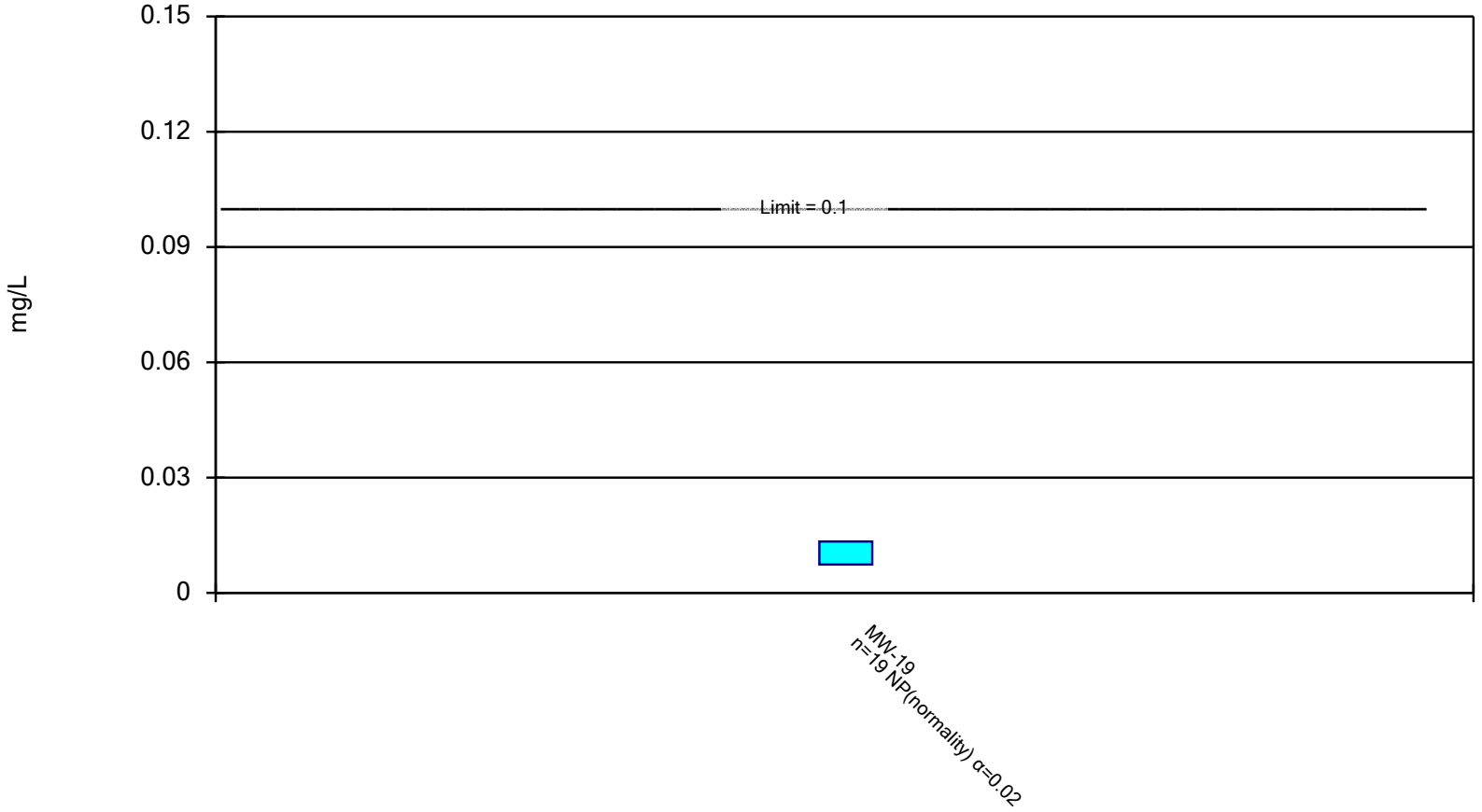
Non-Parametric Confidence Interval - Assessment Monitoring

Compliance Limit is not exceeded.



Constituent: Nickel Analysis Run 10/22/2025 2:32 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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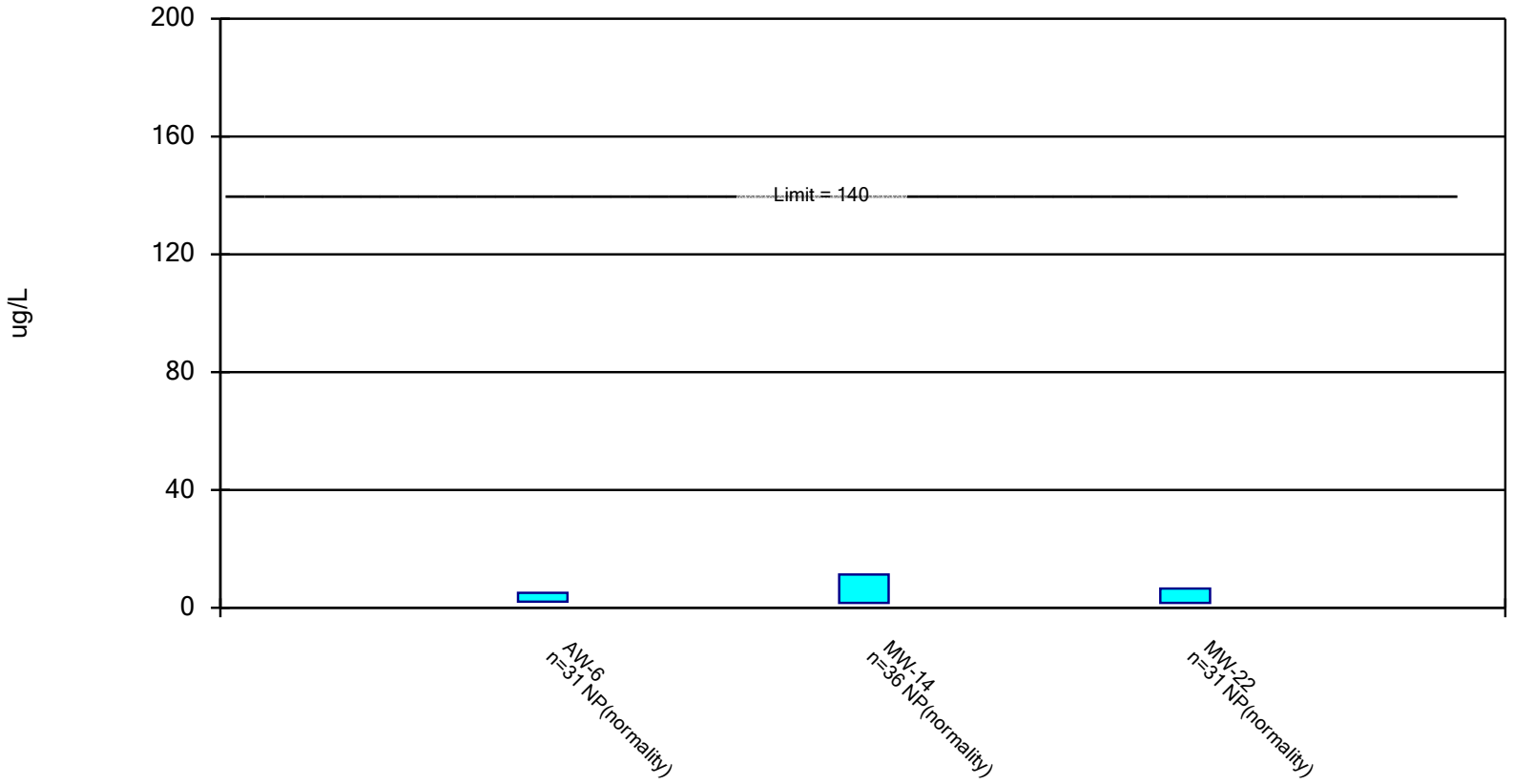
Non-Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01.

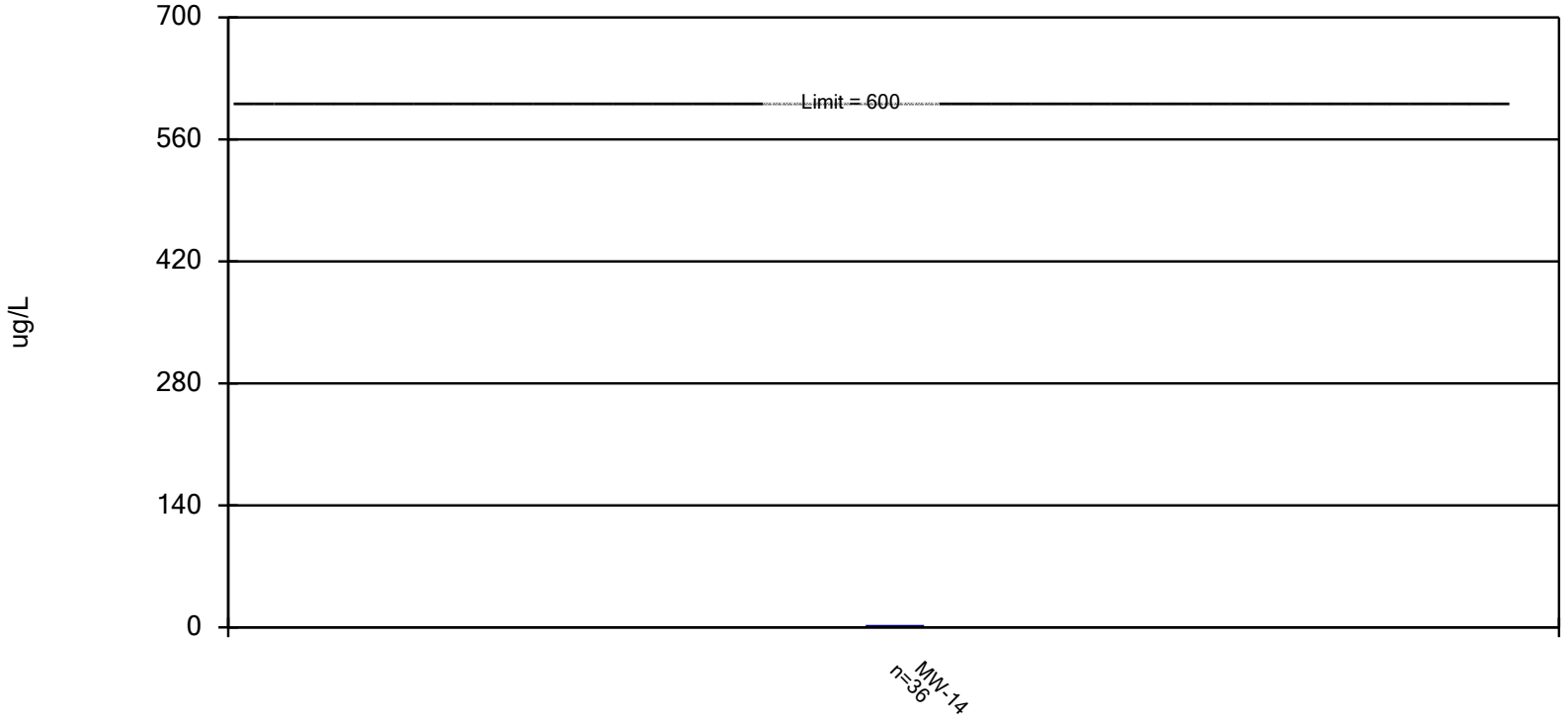


Constituent: 1,1-Dichloroethane Analysis Run 10/22/2025 4:31 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 1,2-Dichlorobenzene Analysis Run 10/22/2025 4:31 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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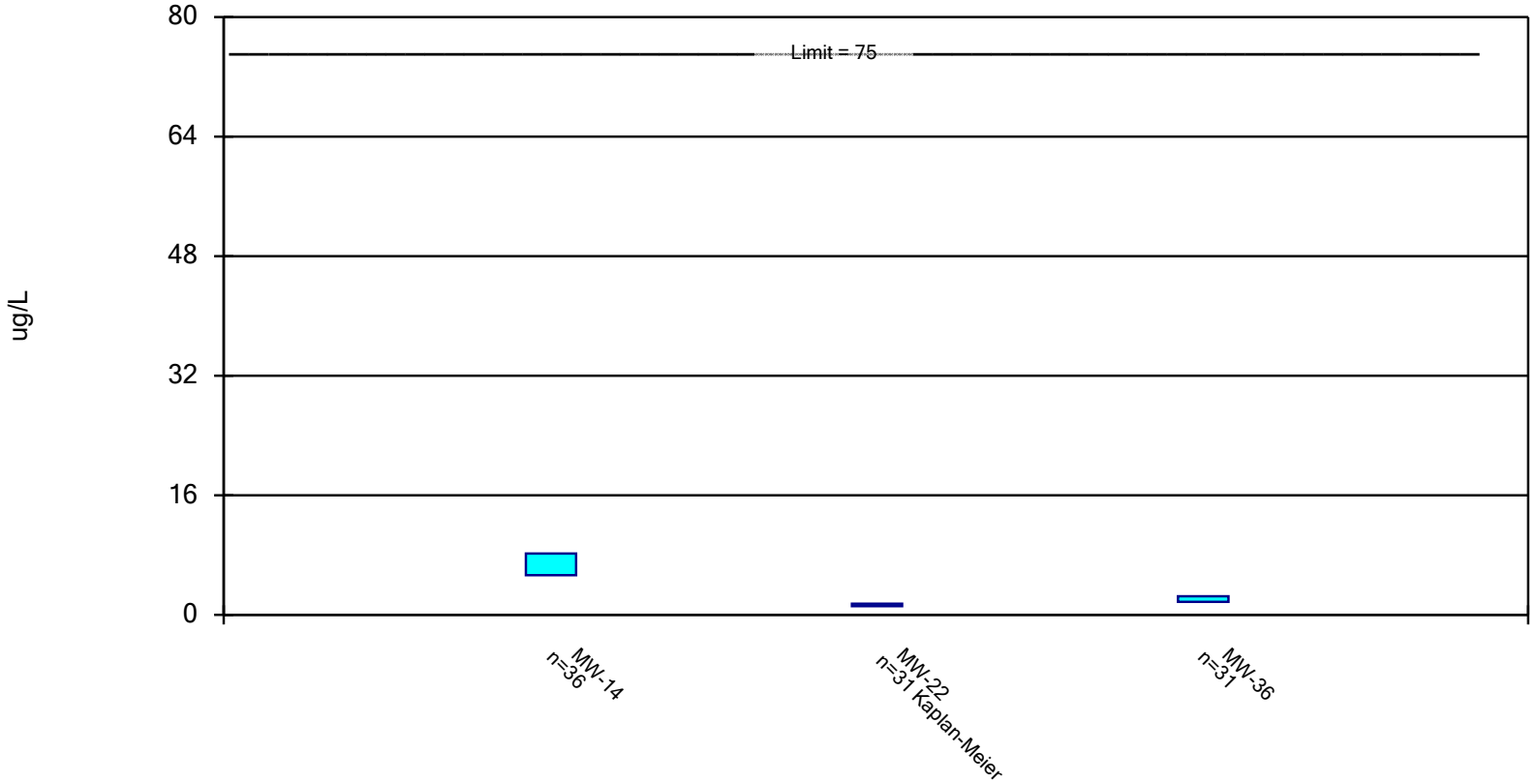
Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 1,4-Dichlorobenzene Analysis Run 10/22/2025 4:31 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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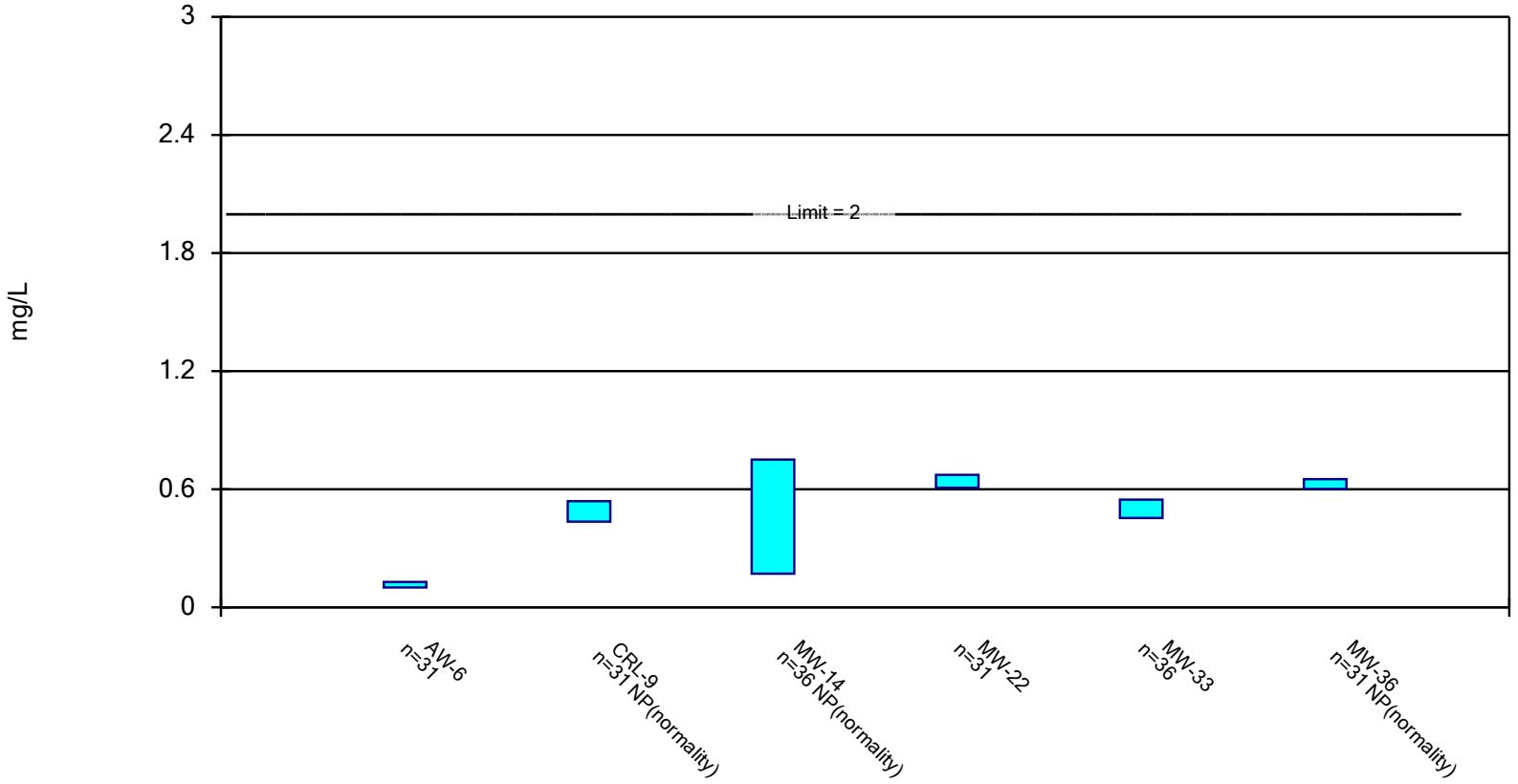
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

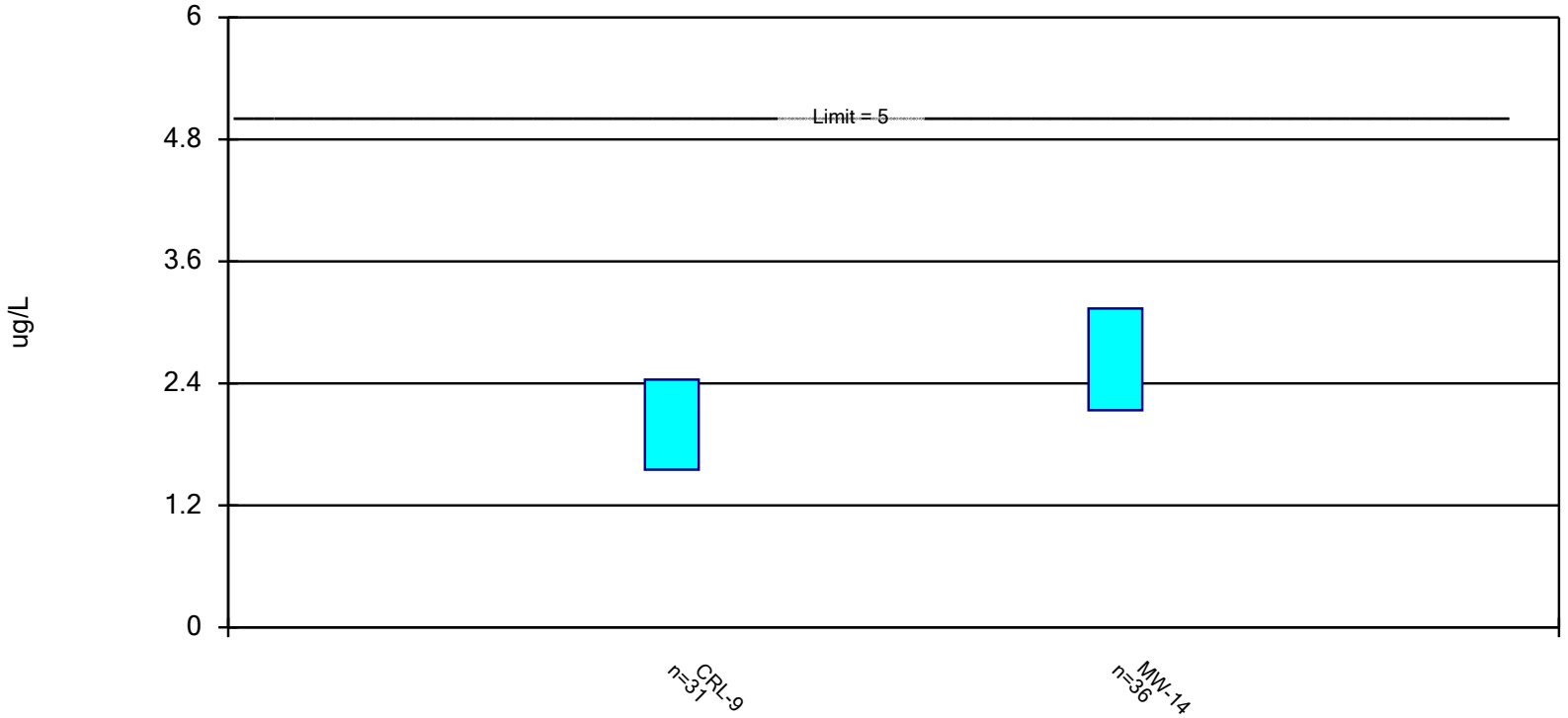


Constituent: Barium Analysis Run 10/22/2025 4:31 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Benzene Analysis Run 10/22/2025 4:32 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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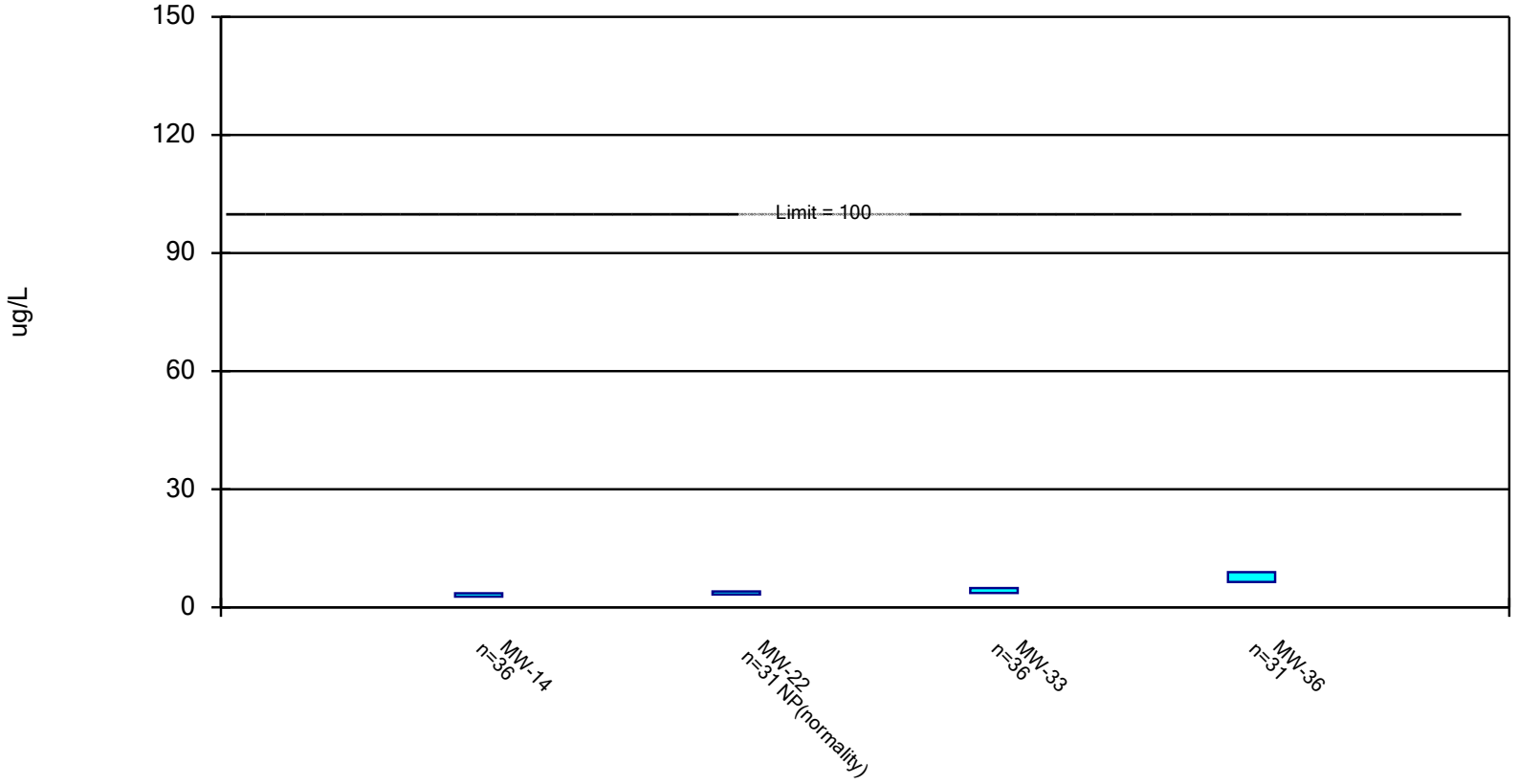
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chlorobenzene Analysis Run 10/22/2025 4:32 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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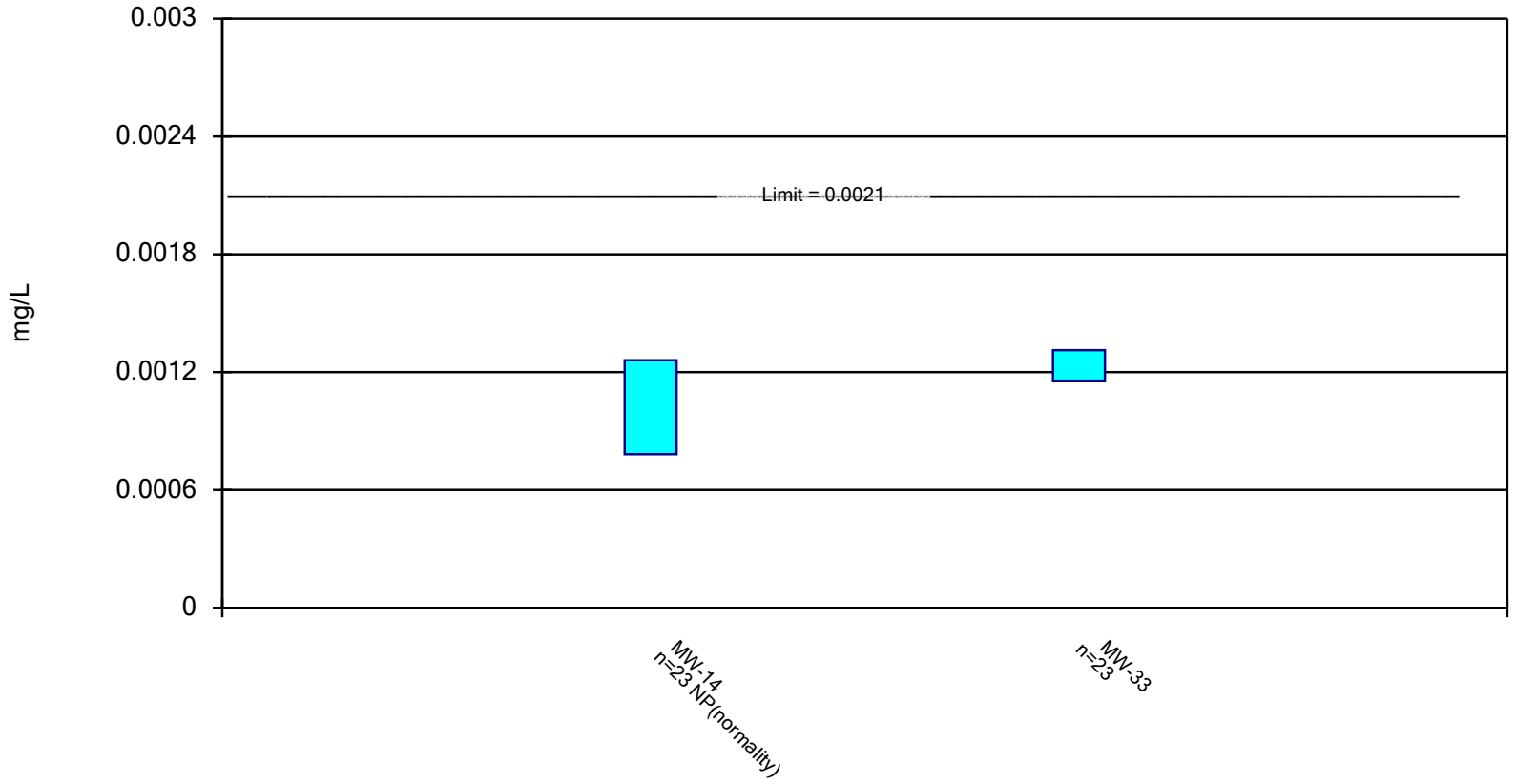
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 10/22/2025 4:32 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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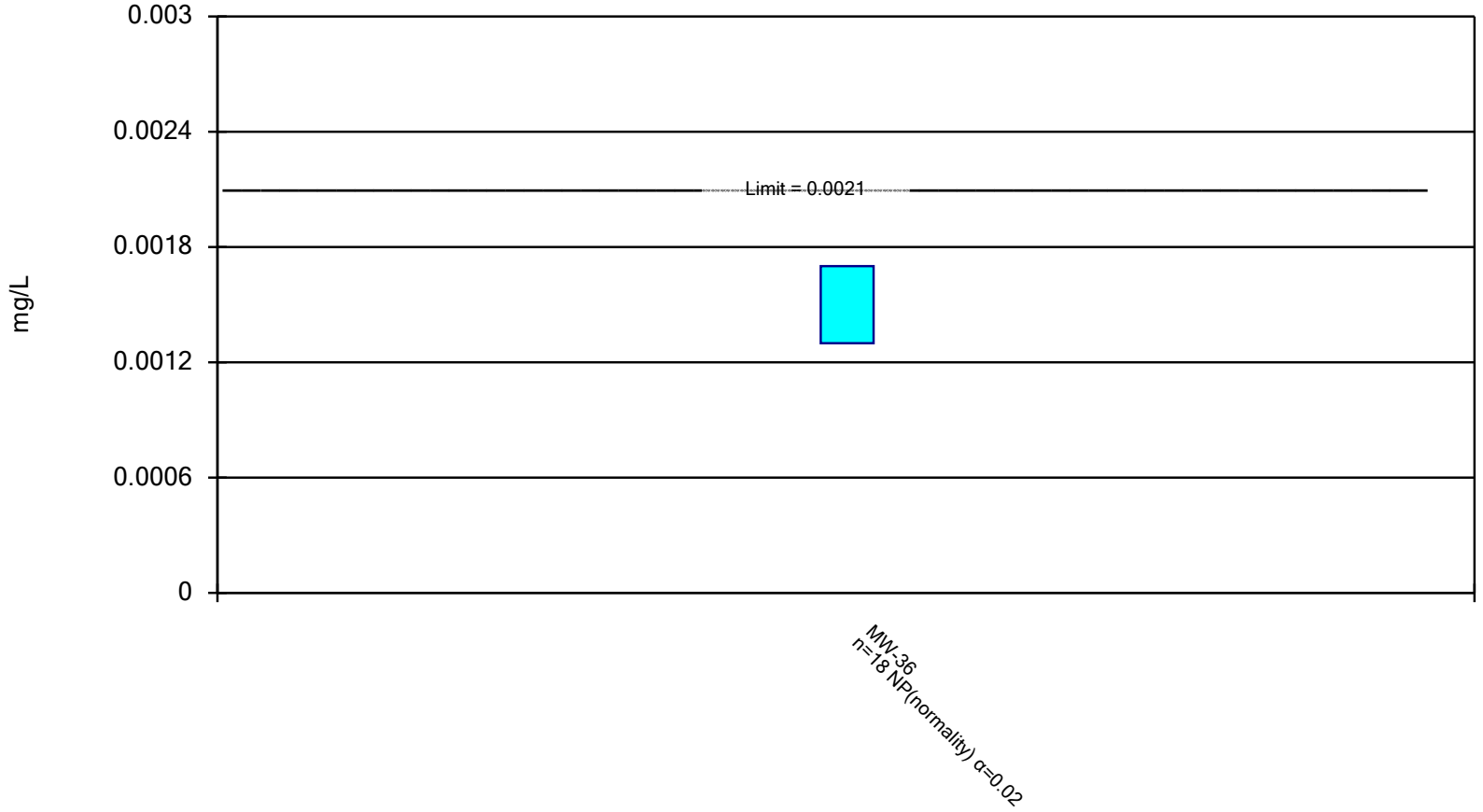
Non-Parametric Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded.



Constituent: Cobalt Analysis Run 10/22/2025 4:33 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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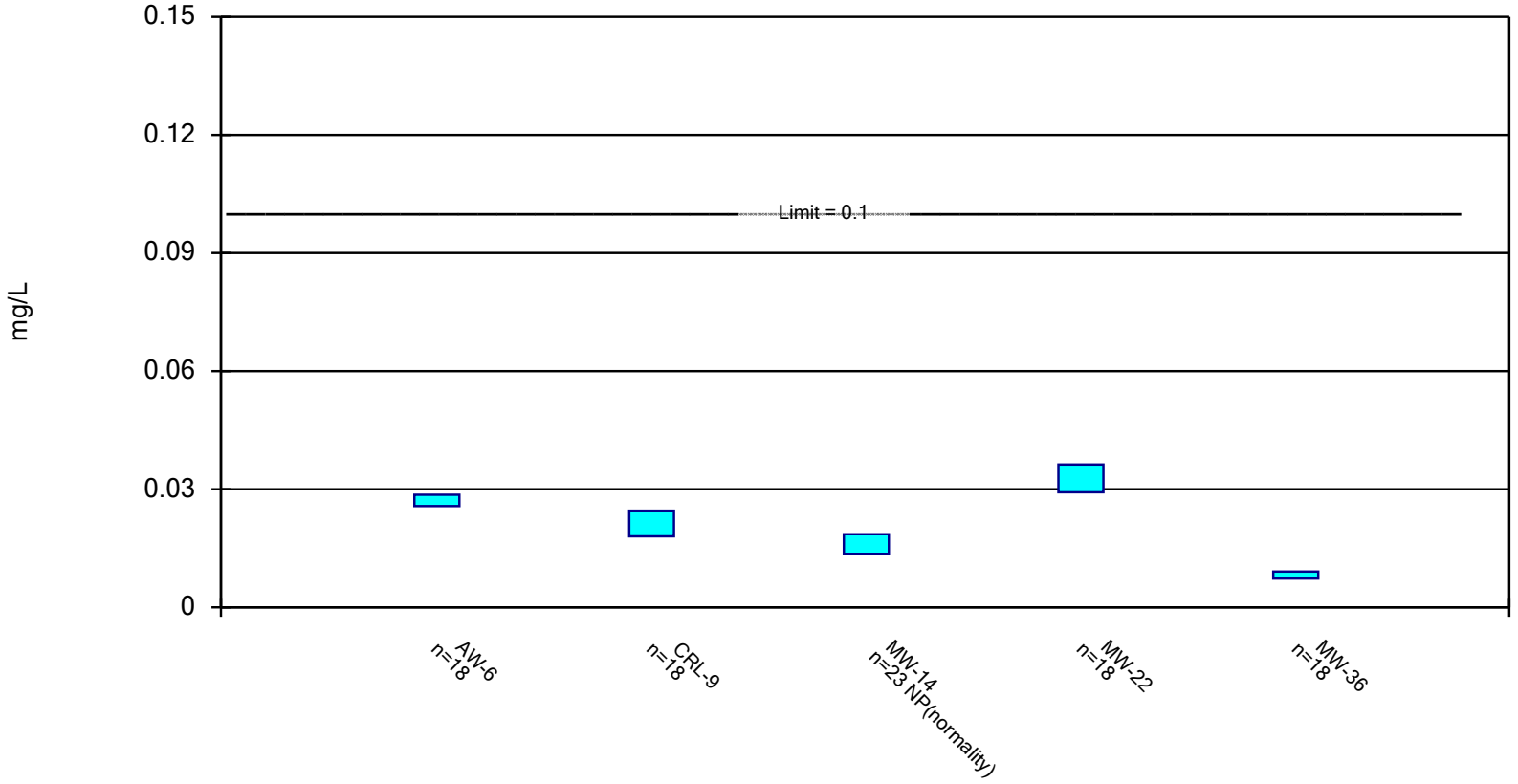
Parametric and Non-Parametric (NP) Confidence Interval - Corrective Action Monitoring - Assessment Constituents

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Nickel Analysis Run 10/22/2025 4:32 PM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Attachment 5

Sanitas Report Output for Confidence Interval Calculations and Regression Summary
Corrective Action Mode

Upper Bedrock Cobalt

GWPS as Background - One-Sample Confidence Interval Testing Method

Calculations of Cobalt Upper Tolerance Limit with 95% Coverage[1] and 95% Confidence

Constituent Name	Upper Limit	Background N	Background Wells	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method	Minimum Achieved Coverage
Cobalt (mg/l)	0.008	44	MW-37,101A	n/a	n/a	30	n/a	n/a	0.1047	NP Inter(normality)	94%

[1] Note that a nonparametric tolerance limit was utilized in the cobalt background calculation. The nonparametric limit achieves 90% coverage.

Upper Bedrock

Confidence Interval - Corrective Action Mode [1]

Constituent Name	Well	Upper Limit	Lower Limit	Compliance Limit [2,3]	Exceed	N	Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Delineation Monitoring Locations													
Arsenic (mg/L)	MW-106A	0.0160	0.0137	0.01	Yes	22	0.0149	0.0042	0	None	No	0.1	Param.
Cobalt (mg/l)	MW-105A	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											
Cobalt (mg/L)	MW-106A	0.01920	0.01244	0.008	Yes	22	0.01582	0.01198	0	None	No	0.1	Param.
Corrective Action Monitoring Locations													
Arsenic (mg/l)	AW-1	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											
Arsenic (mg/L)	AW-2	0.0173	0.0161	0.01	Yes	31	0.0251	0.0340	0	None	No	0.1	NP (normality)
Arsenic (mg/L)	MW-12	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											
Arsenic (mg/L)	MW-13	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											
Arsenic (mg/L)	MW-16	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											
Arsenic (mg/L)	MW-17	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											
Arsenic (mg/l)	MW-24	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data .											
Arsenic (mg/l)	MW-30	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											
Arsenic (mg/L)	MW-32	0.0971	0.0510	0.01	Yes	36	0.1116	0.1139	0	None	No	0.1	NP (normality)
Arsenic (mg/l)	MW-34	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data .											
Thallium (mg/L)	AW-2	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											
Thallium (mg/L)	MW-20	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											
Vinyl Chloride (ug/l)	MW-34	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											

[1] Under corrective action mode, an SSL is rejected when the upper confidence limit lies below the groundwater protection standard (compliance limit).

[2] Value is the 40 CFR Part 141 Safe Drinking Water Act MCL or the IAC 567 Chapter 137 Statewide Standard for a Protected Groundwater Source.

[3] Using the one-sample testing method, the fixed GWPS for cobalt was calculated as the background upper tolerance limit with 95% confidence and 95% coverage. Note that a nonparametric tolerance limit was utilized in the cobalt background calculation. The nonparametric limit achieves 90% coverage.

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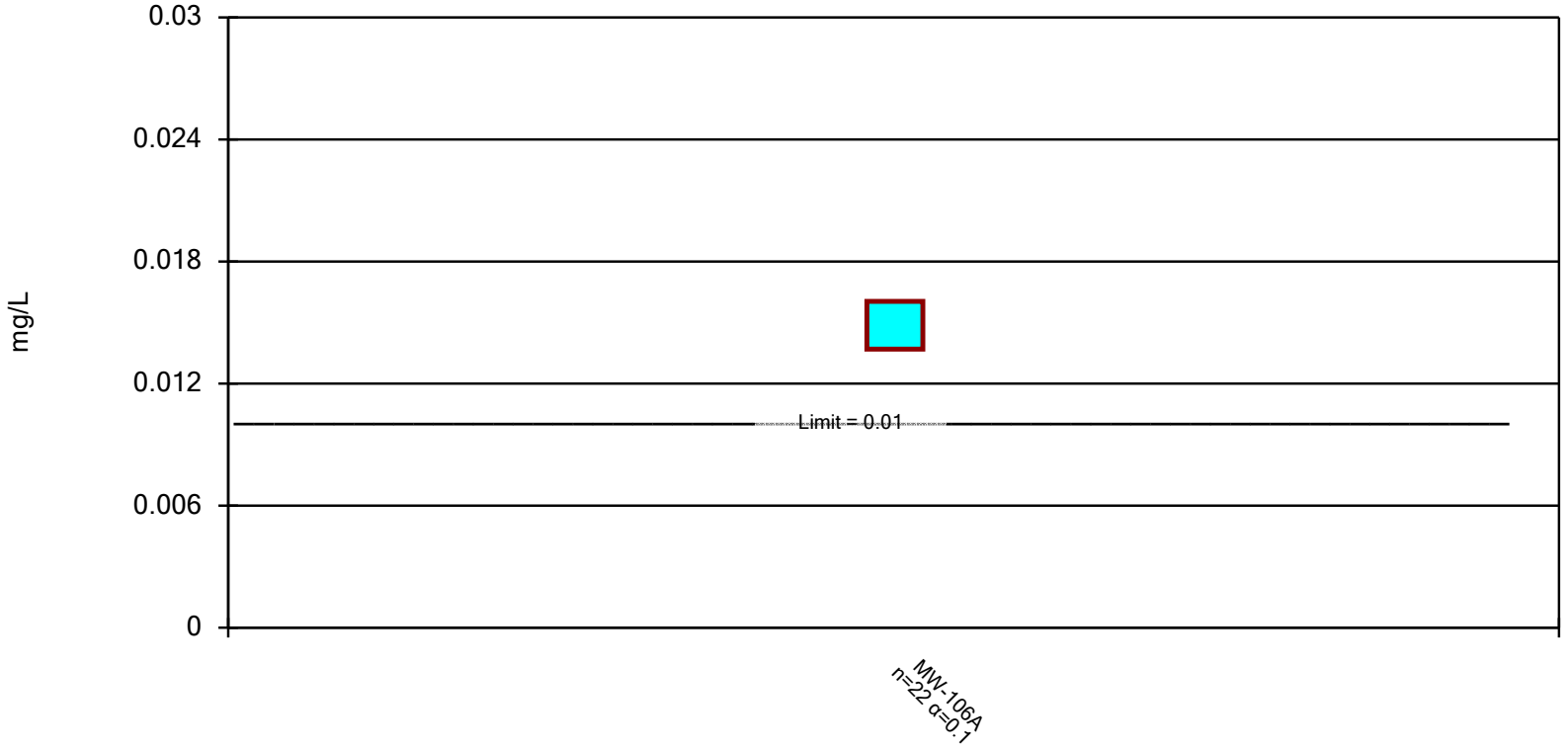
Parametric Confidence Interval, Corrective Action Mode

Compliance limit is exceeded. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 10/23/2025 9:26 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

MW-105A Cobalt Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.911348575
R Square	0.830556225
Adjusted R Square	0.822084036
Standard Error	0.294913412
Observations	22

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	8.526336375	8.526336375	98.0332529	3.738E-09
Residual	20	1.739478416	0.086973921		
Total	21	10.26581479			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	16.62651544	2.107370532	7.889697228	1.44356E-07	12.230618	21.022413	12.230618	21.022413
X Variable 1	-0.000482362	4.87177E-05	-9.901174319	3.73787E-09	-0.000584	-0.000381	-0.000584	-0.000381

X	Y	ln(Y)	Predicted-Log Scale	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
9/10/2013	0.0278	-3.58272	-3.40476	0.03321	0.03977	0.02774	0.05697	0.01936
11/11/2013	0.0351	-3.34955	-3.43461	0.03224	0.03844	0.02704	0.05522	0.01882
3/11/2014	0.0326	-3.42344	-3.49250	0.03042	0.03599	0.02572	0.05198	0.01781
6/10/2014	0.0253	-3.67695	-3.53642	0.02912	0.03425	0.02476	0.04966	0.01707
9/13/2014	0.025	-3.68888	-3.58224	0.02781	0.03252	0.02379	0.04736	0.01634
3/17/2015	0.0216	-3.83506	-3.67150	0.02544	0.02943	0.02199	0.04318	0.01499
10/1/2015	0.0245	-3.70908	-3.76711	0.02312	0.02646	0.02020	0.03913	0.01366
3/17/2016	0.0162	-4.12274	-3.84811	0.02132	0.02421	0.01877	0.03602	0.01262
8/23/2016	0.0181	-4.01184	-3.92472	0.01975	0.02228	0.01750	0.03331	0.01171
3/6/2017	0.0099	-4.61522	-4.01858	0.01798	0.02016	0.01603	0.03028	0.01067
8/24/2017	0.0187	-3.97923	-4.10106	0.01656	0.01849	0.01482	0.02786	0.00984
3/12/2018	0.0177	-4.03419	-4.19754	0.01503	0.01676	0.01349	0.02529	0.00894
8/23/2018	0.0213	-3.84905	-4.27664	0.01389	0.01548	0.01246	0.02337	0.00826
3/19/2019	0.0196	-3.93223	-4.37697	0.01256	0.01404	0.01124	0.02115	0.00746
8/23/2019	0.0158	-4.14775	-4.45271	0.01165	0.01307	0.01038	0.01962	0.00691
3/26/2020	0.0175	-4.04555	-4.55690	0.01049	0.01186	0.00928	0.01771	0.00622
8/18/2020	0.0143	-4.24750	-4.62684	0.00979	0.01113	0.00860	0.01654	0.00579
8/19/2021	0.00794	-4.83584	-4.80338	0.00820	0.00951	0.00708	0.01393	0.00483
8/23/2022	0.00471	-5.35807	-4.98137	0.00686	0.00814	0.00579	0.01174	0.00402
8/23/2023	0.00445	-5.41485	-5.15744	0.00576	0.00699	0.00474	0.00992	0.00334
8/19/2024	0.00424	-5.46319	-5.33205	0.00483	0.00603	0.00388	0.00842	0.00278
8/20/2025	0.00325	-5.72910	-5.50860	0.00405	0.00519	0.00316	0.00713	0.00230

GWPS (Background) [(1)] = 0.008 mg//L

[(1)] Using the *one-sample* testing method, the fixed GWPS was calculated as the background upper tolerance limit with 95% confidence and 95% coverage.
Note that a nonparametric tolerance limit was utilized in the cobalt background calculation. The nonparametric limit achieves 90% coverage.

First Achieved Compliance with the GWPS

Fall 2024

Projected Year to Completion

Fall 2026

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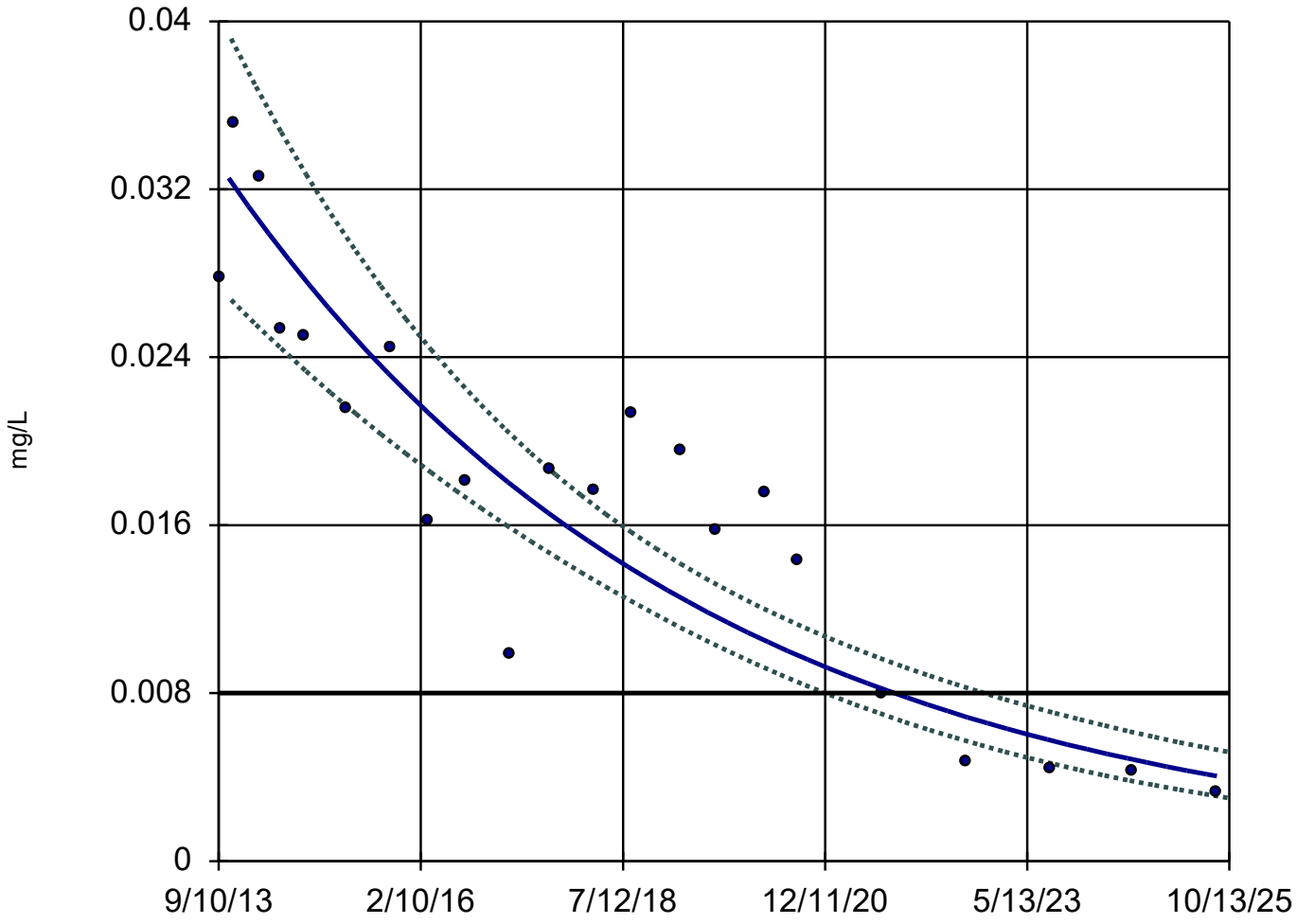
Linear Regression and 90% Confidence Band

MW-105A



n = 22

Slope = -0.1762
natural log units/year.

alpha = 0.02
t = -9.9
critical = -2.197

Significant decreasing trend.

GWPS = 0.008.

Constituent: Cobalt Analysis Run 10/23/2025 8:30 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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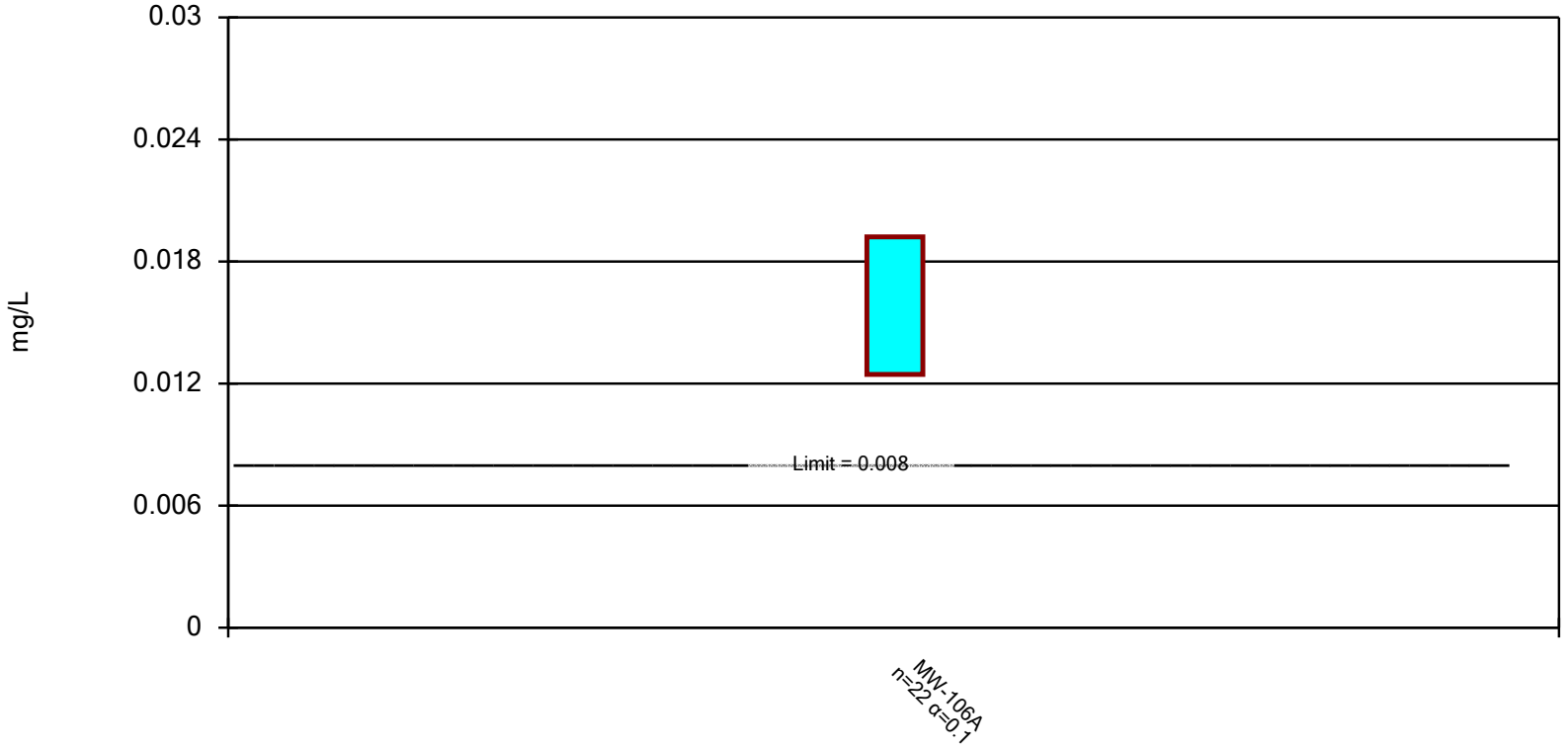
Parametric Confidence Interval, Corrective Action Mode

Compliance limit is exceeded. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 10/23/2025 9:26 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

AW-1 Arsenic Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.456060626
R Square	0.207991294
Adjusted R Square	0.180680649
Standard Error	0.031167382
Observations	31

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.007397992	0.007398	7.6157591	0.00992117
Residual	29	0.028170765	0.0009714		
Total	30	0.035568757			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	0.429744909	0.135588521	3.1694786	0.0035871	0.15243525	0.7070546	0.1524352	0.707054571
X Variable 1	-8.8271E-06	3.19861E-06	-2.759666	0.0099212	-1.537E-05	-2.29E-06	-1.537E-05	-2.2852E-06

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
8/5/2008	0.0791	0.0796	0.0971	0.0622	0.1354	0.0239
3/5/2009	0.0916	0.0777	0.0942	0.0613	0.1332	0.0223
7/14/2009	0.209	0.0766	0.0925	0.0607	0.1319	0.0213
9/10/2009	0.0716	0.0761	0.0917	0.0604	0.1313	0.0209
3/16/2010	0.00949	0.0744	0.0893	0.0596	0.1294	0.0194
9/8/2010	0.0636	0.0729	0.0870	0.0587	0.1277	0.0181
3/7/2011	0.0741	0.0713	0.0847	0.0579	0.1259	0.0166
9/1/2011	0.0509	0.0697	0.0825	0.0569	0.1242	0.0152
3/9/2012	0.0679	0.0680	0.0801	0.0559	0.1224	0.0137
9/6/2012	0.059	0.0664	0.0780	0.0549	0.1206	0.0122
3/21/2013	0.0721	0.0647	0.0757	0.0538	0.1188	0.0106
9/3/2013	0.057	0.0632	0.0738	0.0527	0.1172	0.0092
3/11/2014	0.067	0.0616	0.0717	0.0514	0.1155	0.0077
9/11/2014	0.0515	0.0599	0.0698	0.0501	0.1138	0.0061
3/10/2015	0.0557	0.0584	0.0680	0.0487	0.1122	0.0045
9/17/2015	0.0427	0.0567	0.0662	0.0471	0.1105	0.0029
3/7/2016	0.048	0.0552	0.0647	0.0456	0.1090	0.0013
8/9/2016	0.0409	0.0538	0.0634	0.0442	0.1076	0.0000
3/2/2017	0.026	0.0520	0.0618	0.0422	0.1058	-0.0019
8/23/2017	0.042	0.0504	0.0605	0.0404	0.1044	-0.0035
3/8/2018	0.0562	0.0487	0.0592	0.0382	0.1027	-0.0053
8/23/2018	0.0458	0.0472	0.0581	0.0363	0.1013	-0.0068
3/25/2019	0.00174	0.0453	0.0569	0.0338	0.0995	-0.0089
8/22/2019	0.0424	0.0440	0.0560	0.0320	0.0983	-0.0103
3/25/2020	0.0221	0.0421	0.0548	0.0294	0.0966	-0.0124
8/19/2020	0.0466	0.0408	0.0541	0.0275	0.0954	-0.0138
8/18/2021	0.0484	0.0376	0.0523	0.0229	0.0926	-0.0174
8/29/2022	0.0407	0.0343	0.0506	0.0179	0.0897	-0.0212
8/28/2023	0.0678	0.0311	0.0491	0.0131	0.0870	-0.0249
8/13/2024	0.0461	0.0280	0.0476	0.0083	0.0844	-0.0285
8/14/2025	0.0354	0.0247	0.0461	0.0033	0.0819	-0.0324

GWPS = 0.01 mg/L

Projected Year to Attain Compliance with the GWPS (Assuming Future First Order Attenuation Instead of Linear Decay)

12/28/2045 -4.605 0.01

Projected Year to Completion

12/27/2048

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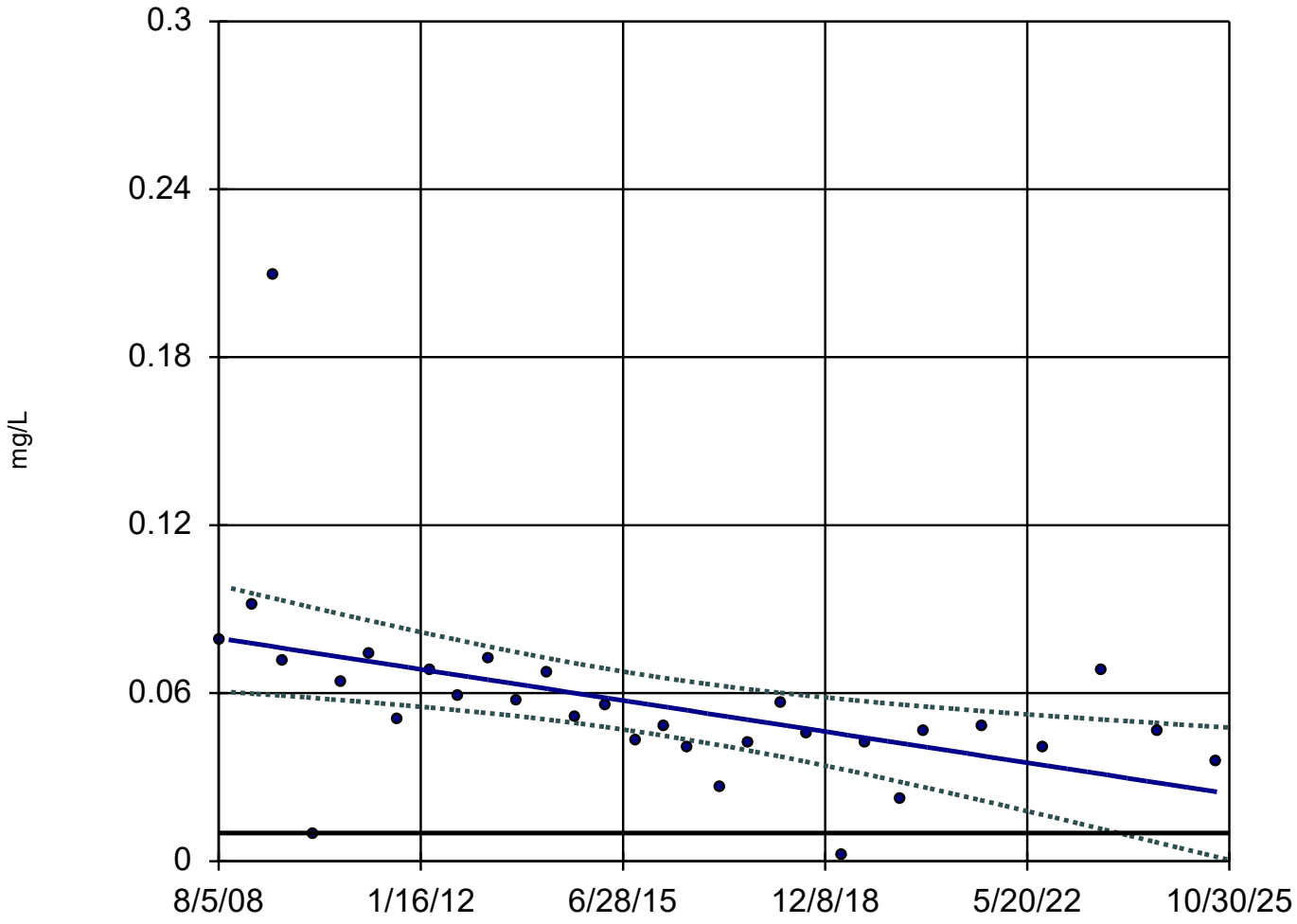
Linear Regression and 90% Confidence Band

AW-1



n = 31

Slope = -0.003224 units/year.

alpha = 0.02
t = -2.759
critical = -2.15

Significant decreasing trend.

GWPS = 0.01 mg/L.

Constituent: Arsenic Analysis Run 10/23/2025 1:34 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

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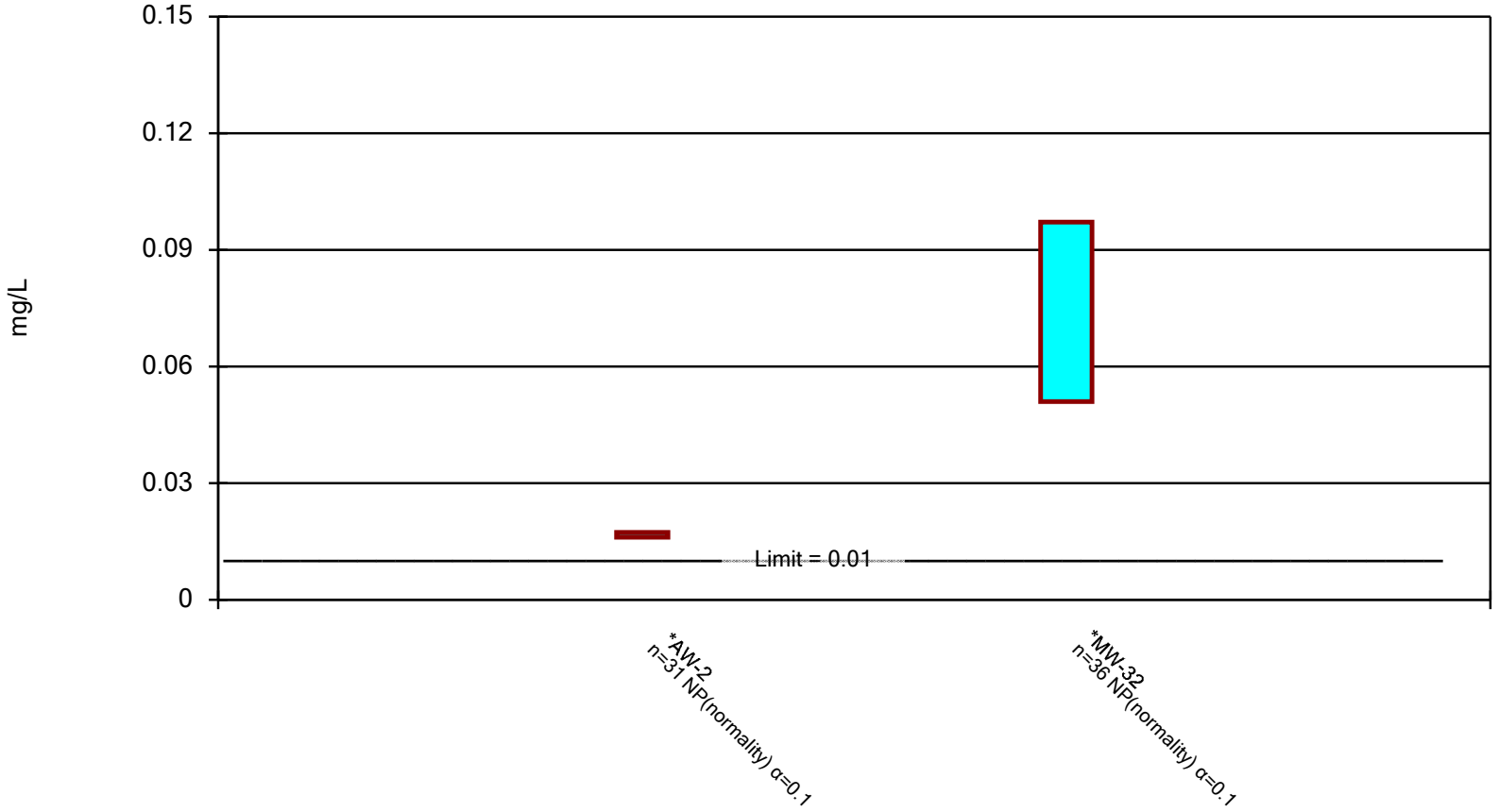
Non-Parametric Confidence Interval, Corrective Action Mode

Compliance limit is exceeded.*



Constituent: Arsenic Analysis Run 10/23/2025 9:34 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

MW-12 Arsenic Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.516405033
R Square	0.266674158
Adjusted R Square	0.245105751
Standard Error	0.028622763
Observations	36

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.010129453	0.0101295	12.36411	0.0012631
Residual	34	0.027854927	0.0008193		
Total	35	0.03798438			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	0.520782354	0.10876613	4.7880931	3.228E-05	0.29974298	0.7418217	0.299743	0.741821724
X Variable 1	-8.94251E-06	2.54318E-06	-3.516264	0.0012631	-1.411E-05	-3.77E-06	-1.411E-05	-3.77413E-06

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
8/6/2008	0.113	0.1661	0.1815	0.1506	0.2169	0.1153
3/6/2009	0.1632	0.1642	0.1788	0.1495	0.2147	0.1136
7/17/2009	0.15	0.1630	0.1772	0.1488	0.2134	0.1125
9/17/2009	0.137	0.1624	0.1764	0.1485	0.2128	0.1121
3/17/2010	0.177	0.1608	0.1741	0.1475	0.2110	0.1106
9/7/2010	0.163	0.1592	0.1720	0.1465	0.2093	0.1092
3/4/2011	0.238	0.1577	0.1698	0.1455	0.2076	0.1078
9/7/2011	0.169	0.1560	0.1676	0.1444	0.2058	0.1062
3/12/2012	0.154	0.1543	0.1653	0.1433	0.2040	0.1047
9/11/2012	0.177	0.1527	0.1632	0.1422	0.2022	0.1032
3/26/2013	0.156	0.1509	0.1609	0.1409	0.2003	0.1015
9/4/2013	0.138	0.1495	0.1591	0.1399	0.1988	0.1001
3/10/2014	0.139	0.1478	0.1570	0.1386	0.1971	0.0985
9/17/2014	0.135	0.1461	0.1549	0.1373	0.1953	0.0969
3/12/2015	0.155	0.1445	0.1531	0.1360	0.1937	0.0954
10/6/2015	0.172	0.1427	0.1510	0.1344	0.1918	0.0936
3/14/2016	0.13	0.1412	0.1494	0.1331	0.1903	0.0921
8/19/2016	0.128	0.1398	0.1479	0.1317	0.1889	0.0907
3/13/2017	0.14	0.1380	0.1461	0.1299	0.1870	0.0889
8/28/2017	0.124	0.1365	0.1446	0.1283	0.1856	0.0874
3/14/2018	0.149	0.1347	0.1430	0.1264	0.1838	0.0856
8/30/2018	0.128	0.1332	0.1417	0.1247	0.1823	0.0841
3/26/2019	0.126	0.1313	0.1401	0.1225	0.1805	0.0821
8/28/2019	0.0702	0.1299	0.1390	0.1208	0.1792	0.0807
4/1/2020	0.104	0.1280	0.1376	0.1184	0.1773	0.0787
8/18/2020	0.0963	0.1268	0.1367	0.1169	0.1762	0.0774
3/25/2021	0.133	0.1248	0.1353	0.1143	0.1743	0.0753
8/23/2021	0.149	0.1235	0.1344	0.1126	0.1731	0.0738
3/30/2022	0.144	0.1215	0.1331	0.1099	0.1713	0.0717
8/30/2022	0.14	0.1201	0.1322	0.1081	0.1700	0.0703
3/23/2023	0.116	0.1183	0.1310	0.1056	0.1683	0.0683
8/24/2023	0.156	0.1169	0.1301	0.1037	0.1671	0.0667
3/28/2024	0.152	0.1150	0.1290	0.1010	0.1654	0.0646
8/20/2024	0.114	0.1137	0.1282	0.0992	0.1642	0.0632
3/25/2025	0.0405	0.1117	0.1270	0.0965	0.1625	0.0610
8/20/2025	0.117	0.1104	0.1262	0.0946	0.1613	0.0595

GWPS = 0.01 mg/L

MW-12 Arsenic Regression Analysis

Projected Year to Attain Compliance with the GWPS (Assuming Future First Order Attenuation Instead of Linear Decay)

9/7/2111	-4.605	0.01

Projected Year to Completion

9/6/2114

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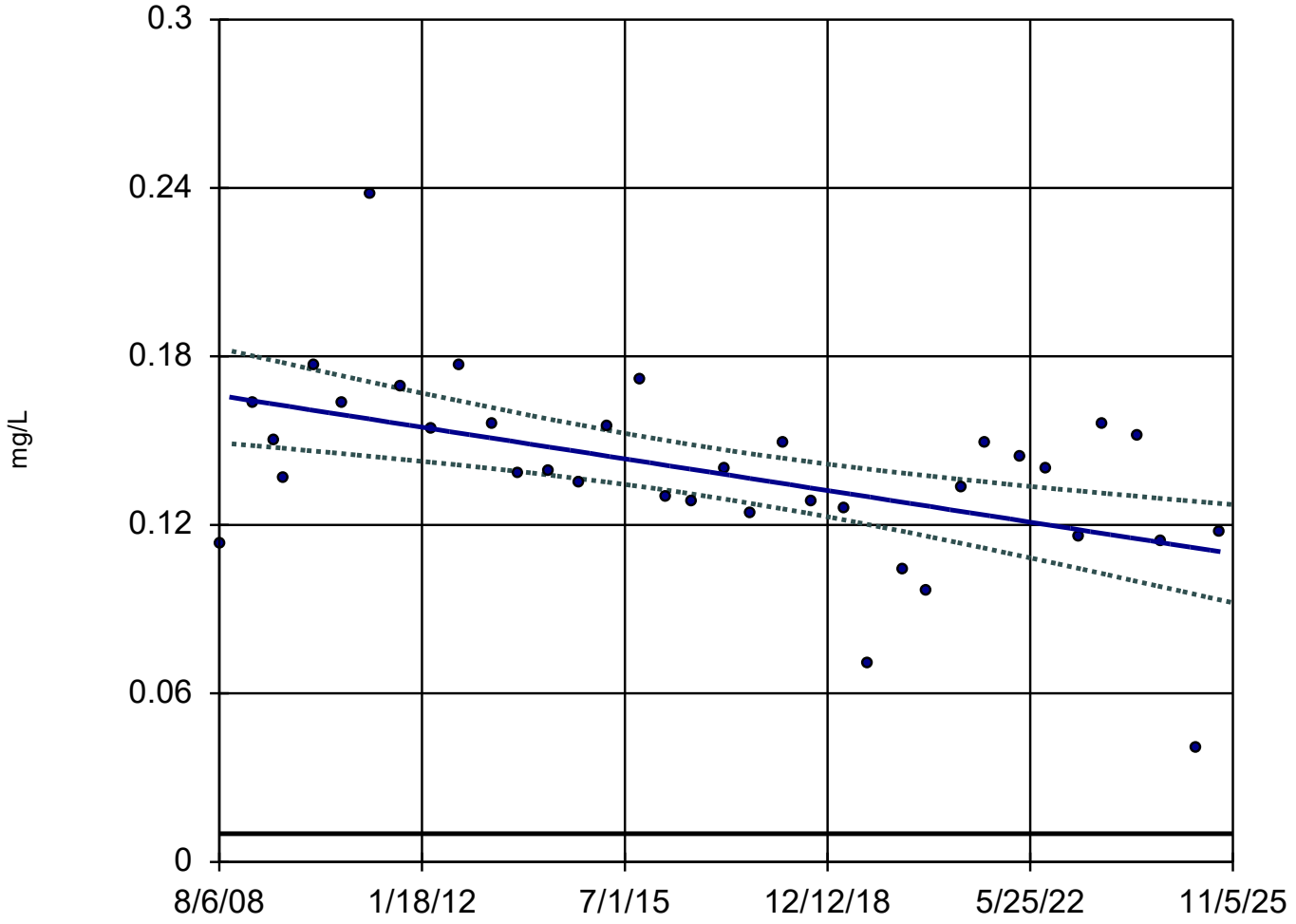
Linear Regression and 90% Confidence Band

MW-12



n = 36

Slope = -0.003266 units/year.

alpha = 0.02
t = -3.515
critical = -2.136

Significant decreasing trend.

GWPS = 0.01 mg/L.

Constituent: Arsenic Analysis Run 10/23/2025 3:24 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

MW-13 Arsenic Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.686115768
R Square	0.470754847
Adjusted R Square	0.426651084
Standard Error	0.233348792
Observations	14

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.58120624	0.5812062	10.673802	0.006739616
Residual	12	0.653419902	0.0544517		
Total	13	1.234626142			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	9.541910011	3.80251566	2.5093677	0.0274396	1.256940106	17.82687992	1.256940106	17.82687992
X Variable 1	-0.00027776	8.50192E-05	-3.267079	0.0067396	-0.000463005	-9.25235E-05	-0.00046301	-9.25235E-05

X	Y	ln(Y)	Predicted-Log Scale	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
3/21/2019	0.0917	-2.3892	-2.5533	0.0778	0.0960	0.0631	0.1240	0.0488
8/23/2019	0.072	-2.6311	-2.5964	0.0745	0.0902	0.0616	0.1178	0.0472
3/26/2020	0.0553	-2.8950	-2.6564	0.0702	0.0828	0.0595	0.1098	0.0449
8/21/2020	0.0663	-2.7136	-2.6975	0.0674	0.0782	0.0580	0.1048	0.0433
3/26/2021	0.049	-3.0159	-2.7578	0.0634	0.0722	0.0557	0.0981	0.0410
8/19/2021	0.0717	-2.6353	-2.7983	0.0609	0.0687	0.0540	0.0939	0.0395
3/31/2022	0.0973	-2.3300	-2.8605	0.0572	0.0640	0.0512	0.0880	0.0372
8/23/2022	0.0398	-3.2239	-2.9008	0.0550	0.0615	0.0492	0.0846	0.0357
3/23/2023	0.0534	-2.9299	-2.9597	0.0518	0.0584	0.0460	0.0799	0.0336
8/22/2023	0.0549	-2.9022	-3.0019	0.0497	0.0566	0.0436	0.0768	0.0321
3/28/2024	0.0527	-2.9431	-3.0628	0.0468	0.0543	0.0403	0.0727	0.0301
8/15/2024	0.0351	-3.3496	-3.1016	0.0450	0.0530	0.0382	0.0703	0.0288
3/26/2025	0.0411	-3.1917	-3.1636	0.0423	0.0512	0.0349	0.0668	0.0268
8/14/2025	0.0423	-3.1630	-3.2028	0.0407	0.0501	0.0330	0.0647	0.0255

GWPS = 0.01 mg/L

Projected Year to Attain Compliance with the GWPS with First Order Attenuation

6/10/2039 -4.605 0.01

Projected Year to Completion

6/9/2042

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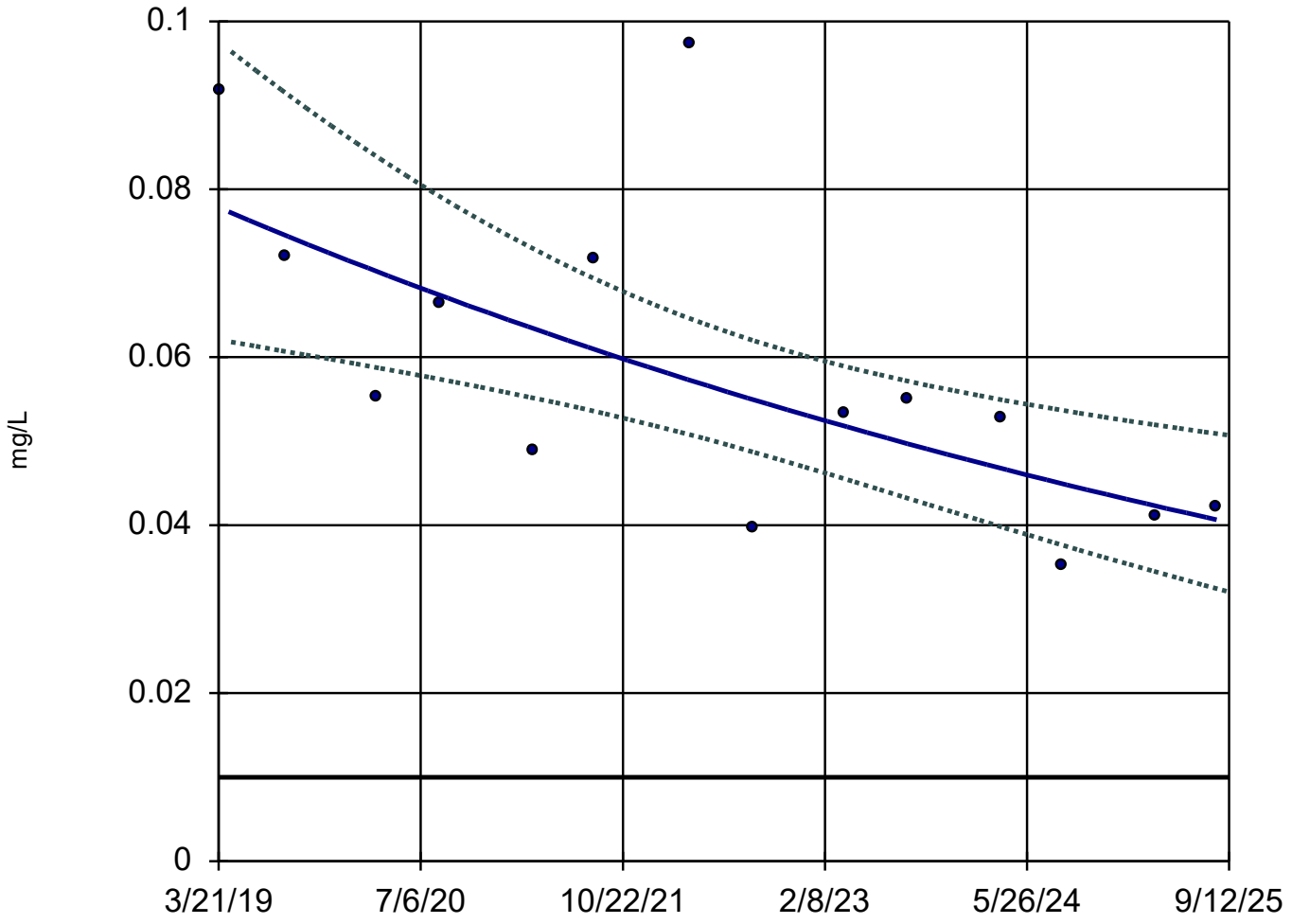
Linear Regression and 90% Confidence Band

MW-13



n = 14

Slope = -0.1015
natural log units/year.

alpha = 0.02
t = -3.265
critical = -2.303

Significant decreasing trend.

GWPS = 0.01 mg/L.

Constituent: Arsenic Analysis Run 10/23/2025 2:46 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

MW-16 Arsenic Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.476546398
R Square	0.227096469
Adjusted R Square	0.184157384
Standard Error	0.062992925
Observations	20

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.020986555	0.0209866	5.2888055	0.03364582
Residual	18	0.071425955	0.0039681		
Total	19	0.09241251			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	1.487101552	0.591177407	2.5154912	0.0216005	0.24508391	2.7291192	0.2450839	2.729119197
X Variable 1	-3.07704E-05	1.33799E-05	-2.29974	0.0336458	-5.888E-05	-2.66E-06	-5.888E-05	-2.66017E-06

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
3/15/2016	0.261	0.1811	0.2280	0.1342	0.3000	0.0622
8/22/2016	0.239	0.1762	0.2200	0.1324	0.2939	0.0585
3/13/2017	0.147	0.1699	0.2099	0.1299	0.2862	0.0536
8/29/2017	0.157	0.1647	0.2017	0.1278	0.2800	0.0494
3/15/2018	0.217	0.1586	0.1923	0.1250	0.2729	0.0443
8/30/2018	0.142	0.1535	0.1845	0.1224	0.2670	0.0399
3/21/2019	0.00836	0.1472	0.1756	0.1188	0.2601	0.0343
8/22/2019	0.0654	0.1425	0.1692	0.1157	0.2549	0.0300
3/27/2020	0.0558	0.1358	0.1609	0.1106	0.2478	0.0237
8/20/2020	0.187	0.1313	0.1558	0.1067	0.2432	0.0193
3/25/2021	0.102	0.1246	0.1491	0.1000	0.2365	0.0126
8/25/2021	0.0902	0.1199	0.1451	0.0947	0.2320	0.0078
3/31/2022	0.146	0.1132	0.1400	0.0863	0.2257	0.0007
8/24/2022	0.193	0.1087	0.1371	0.0803	0.2216	-0.0042
3/24/2023	0.0481	0.1022	0.1334	0.0709	0.2158	-0.0114
8/23/2023	0.0775	0.0975	0.1310	0.0640	0.2117	-0.0168
3/29/2024	0.183	0.0907	0.1279	0.0536	0.2061	-0.0246
8/14/2024	0.0638	0.0865	0.1262	0.0468	0.2027	-0.0297
3/27/2025	0.0973	0.0796	0.1235	0.0357	0.1973	-0.0381
8/15/2025	0.0782	0.0752	0.1219	0.0286	0.1940	-0.0435

GWPS = 0.01 mg/L

Projected Year to Attain Compliance with the GWPS (Assuming Future First Order Attenuation Instead of Linear Decay)

11/20/2056 -4.605 0.01

Projected Year to Completion

11/20/2059

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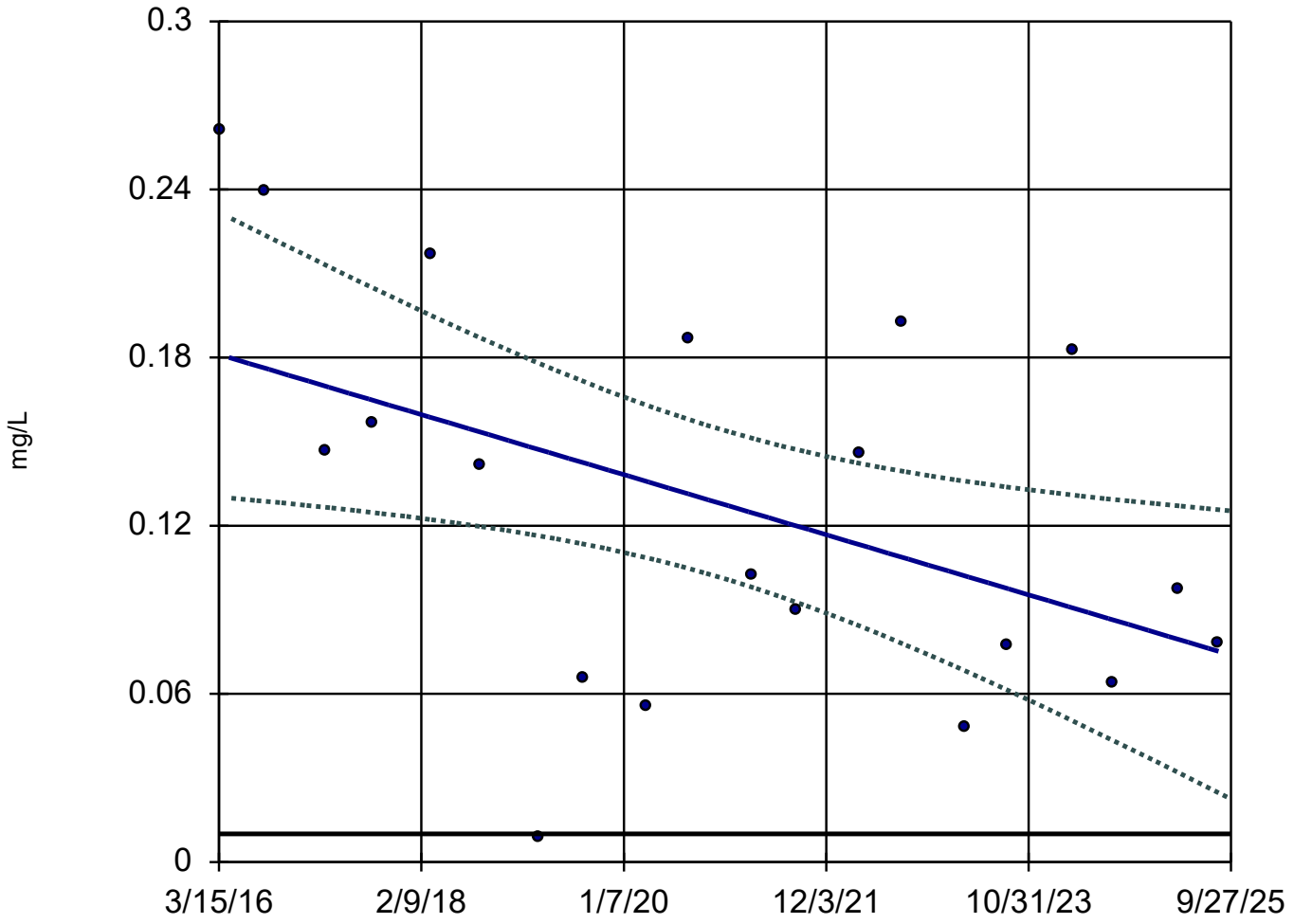
Linear Regression and 90% Confidence Band

MW-16



n = 20

Slope = -0.01124
units/year.

alpha = 0.02
t = -2.299
critical = -2.214

Significant decreasing trend.

GWPS = 0.01 mg/L.

Constituent: Arsenic Analysis Run 10/23/2025 3:41 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

MW-17 Arsenic Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.662793413
R Square	0.439295109
Adjusted R Square	0.396163963
Standard Error	0.016066443
Observations	15

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.002629086	0.0026291	10.185102	0.00708376
Residual	13	0.003355698	0.0002581		
Total	14	0.005984784			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	0.816923862	0.234980959	3.4765534	0.0040941	0.30927836	1.3245694	0.3092784	1.324569362
X Variable 1	-1.6801E-05	5.26443E-06	-3.191411	0.0070838	-2.817E-05	-5.43E-06	-2.817E-05	-5.42785E-06

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
8/30/2018	0.105	0.0887	0.1028	0.0747	0.1205	0.0570
3/21/2019	0.0729	0.0853	0.0978	0.0728	0.1164	0.0543
8/22/2019	0.095	0.0827	0.0941	0.0714	0.1134	0.0521
3/30/2020	0.066	0.0790	0.0889	0.0691	0.1091	0.0489
8/20/2020	0.096	0.0766	0.0857	0.0676	0.1065	0.0468
3/25/2021	0.0638	0.0730	0.0810	0.0649	0.1025	0.0434
8/24/2021	0.0599	0.0704	0.0780	0.0629	0.0999	0.0410
3/31/2022	0.0316	0.0667	0.0741	0.0594	0.0961	0.0374
8/25/2022	0.0808	0.0643	0.0718	0.0568	0.0937	0.0348
3/24/2023	0.0675	0.0607	0.0689	0.0526	0.0903	0.0311
8/29/2023	0.048	0.0581	0.0670	0.0492	0.0879	0.0283
3/24/2024	0.0554	0.0546	0.0647	0.0445	0.0848	0.0244
8/13/2024	0.0707	0.0522	0.0633	0.0411	0.0827	0.0217
3/27/2025	0.0532	0.0484	0.0611	0.0357	0.0796	0.0172
8/19/2025	0.041	0.0460	0.0598	0.0321	0.0776	0.0143

GWPS = 0.01 mg/L

Projected Year to Attain Compliance with the GWPS (Assuming Future First Order Attenuation Instead of Linear Decay)

12/15/2042 -4.605 0.01

Projected Year to Completion

12/14/2045

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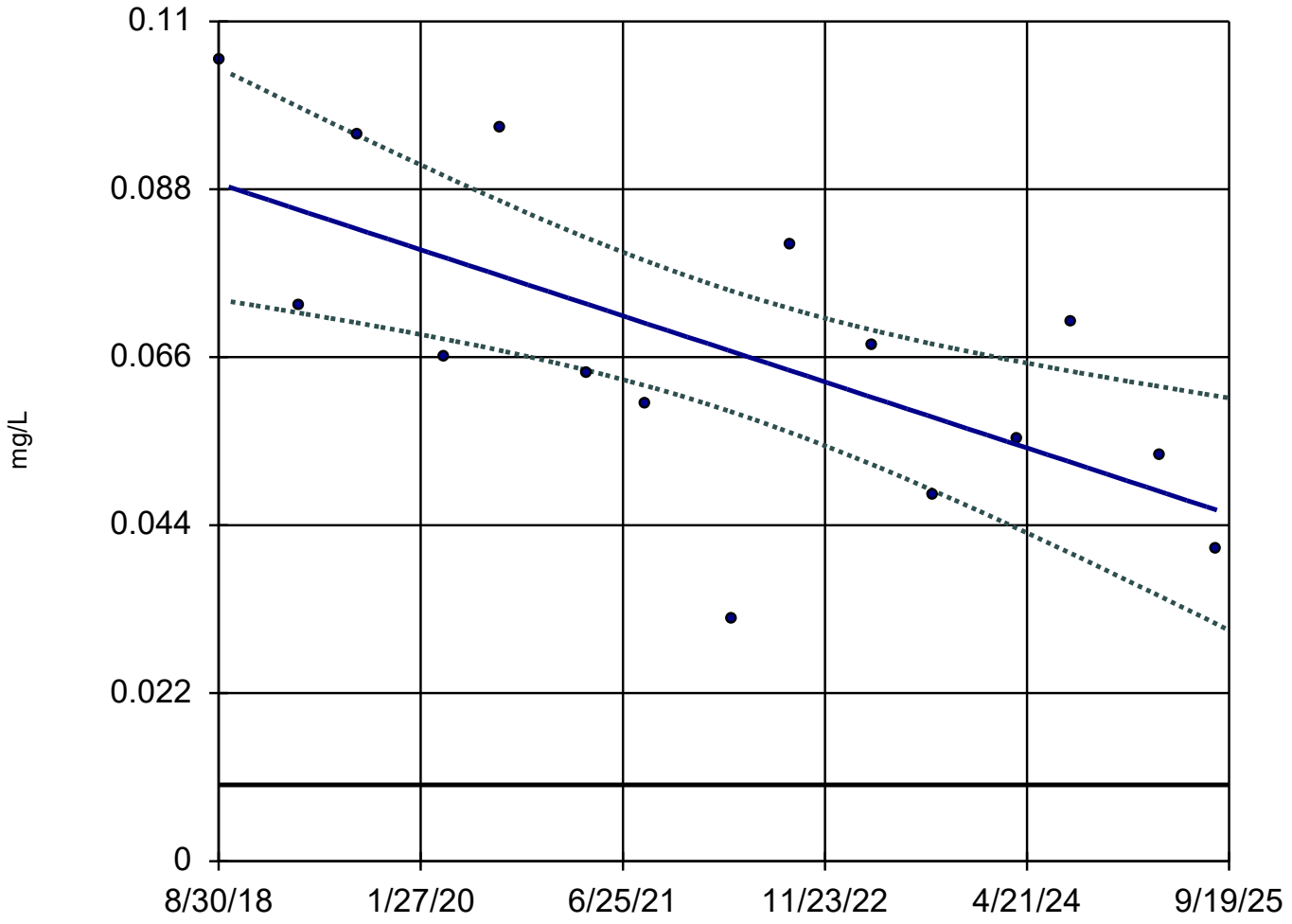
Linear Regression and 90% Confidence Band

MW-17



n = 15

Slope = -0.006134 units/year.

alpha = 0.02
t = -3.189
critical = -2.282

Significant decreasing trend.

GWPS = 0.01.

Constituent: Arsenic Analysis Run 10/23/2025 3:49 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

MW-24 Arsenic Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.474855094
R Square	0.22548736
Adjusted R Square	0.186761728
Standard Error	0.054365819
Observations	22

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.017209789	0.0172098	5.8226903	0.02553823
Residual	20	0.059112845	0.0029556		
Total	21	0.076322635			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	0.962080138	0.372424644	2.5832881	0.0177567	0.18521594	1.7389443	0.1852159	1.738944331
X Variable 1	-2.0794E-05	8.6174E-06	-2.413025	0.0255382	-3.877E-05	-2.82E-06	-3.877E-05	-2.81842E-06

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
9/6/2012	0.205	0.1062	0.1425	0.0699	0.2068	0.0057
3/22/2013	0.143	0.1021	0.1360	0.0682	0.2018	0.0024
9/4/2013	0.0697	0.0987	0.1306	0.0668	0.1977	-0.0004
3/10/2014	0.209	0.0948	0.1246	0.0650	0.1932	-0.0036
9/13/2014	0.139	0.0909	0.1187	0.0631	0.1887	-0.0069
3/11/2015	0.0307	0.0872	0.1132	0.0612	0.1845	-0.0101
9/25/2015	0.0413	0.0831	0.1073	0.0588	0.1799	-0.0138
3/9/2016	0.052	0.0796	0.1026	0.0567	0.1762	-0.0169
8/10/2016	0.0409	0.0764	0.0983	0.0545	0.1727	-0.0199
3/7/2017	0.0122	0.0721	0.0929	0.0512	0.1681	-0.0240
8/25/2017	0.0252	0.0685	0.0888	0.0483	0.1645	-0.0274
3/13/2018	0.0238	0.0644	0.0844	0.0444	0.1602	-0.0315
8/27/2018	0.0645	0.0609	0.0810	0.0408	0.1568	-0.0350
3/20/2019	0.02	0.0566	0.0773	0.0360	0.1526	-0.0394
8/26/2019	0.0132	0.0533	0.0747	0.0320	0.1495	-0.0428
3/30/2020	0.0116	0.0488	0.0715	0.0261	0.1453	-0.0477
8/26/2020	0.0237	0.0457	0.0695	0.0219	0.1425	-0.0510
8/18/2021	0.0925	0.0383	0.0654	0.0112	0.1359	-0.0593
8/24/2022	0.0279	0.0306	0.0616	-0.0005	0.1294	-0.0682
8/30/2023	0.024	0.0229	0.0583	-0.0126	0.1231	-0.0774
8/15/2024	0.0304	0.0156	0.0554	-0.0243	0.1175	-0.0863
8/18/2025	0.105	0.0079	0.0526	-0.0368	0.1118	-0.0960

GWPS = 0.01 mg/L

Projected Year to Attain Compliance with the GWPS with First Order Attenuation

3/8/2033

Projected Year to Completion

3/7/2036

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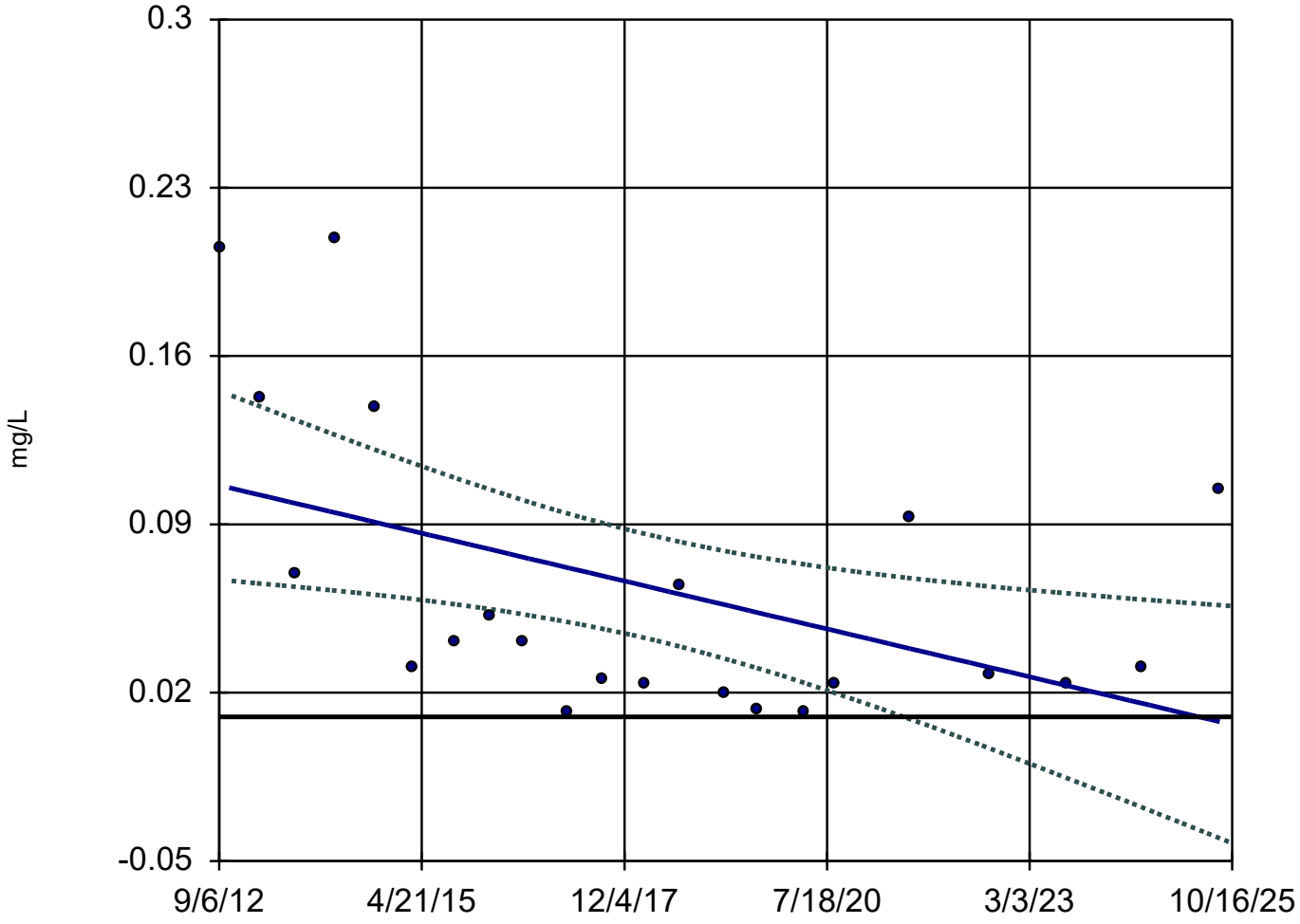
Linear Regression and 90% Confidence Band

MW-24



n = 22

Slope = -0.007594 units/year.

alpha = 0.02
t = -2.412
critical = -2.197

Significant decreasing trend.

GWPS = 0.01 mg/L.

Constituent: Arsenic Analysis Run 10/23/2025 4:23 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

MW-30 Arsenic Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.66821189
R Square	0.44650713
Adjusted R Square	0.42742117
Standard Error	0.66019459
Observations	31

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	10.19666823	10.19667	23.39453	3.99232E-05
Residual	29	12.63984988	0.435857		
Total	30	22.83651811			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	10.2030898	2.870339372	3.554663	0.00132	4.332586597	16.07359293	4.332586597	16.07359293
X Variable 1	-0.0003275	6.77093E-05	-4.836789	3.99E-05	-0.000465976	-0.00018901	-0.00046598	-0.000189014

X	Y	ln(Y)	Predicted-Log Scale	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
8/4/2008	0.0424	-3.1606	-2.7867	0.0616	0.0892	0.0426	0.2008	0.0189
3/4/2009	0.0601	-2.8117	-2.8561	0.0575	0.0815	0.0405	0.1861	0.0178
7/9/2009	0.0739	-2.6050	-2.8977	0.0551	0.0773	0.0394	0.1779	0.0171
9/9/2009	0.0516	-2.9642	-2.9180	0.0540	0.0753	0.0388	0.1741	0.0168
3/18/2010	0.0129	-4.3505	-2.9802	0.0508	0.0696	0.0371	0.1628	0.0158
9/8/2010	0.0504	-2.9878	-3.0372	0.0480	0.0647	0.0356	0.1532	0.0150
3/4/2011	0.0536	-2.9262	-3.0952	0.0453	0.0602	0.0340	0.1440	0.0142
9/8/2011	0.0445	-3.1123	-3.1568	0.0426	0.0558	0.0325	0.1349	0.0134
3/13/2012	0.0396	-3.2289	-3.2180	0.0400	0.0517	0.0310	0.1265	0.0127
9/6/2012	0.0412	-3.1893	-3.2760	0.0378	0.0482	0.0296	0.1191	0.0120
3/27/2013	0.0373	-3.2888	-3.3421	0.0354	0.0446	0.0280	0.1112	0.0112
9/4/2013	0.0534	-2.9299	-3.3948	0.0335	0.0419	0.0268	0.1053	0.0107
3/10/2014	0.0664	-2.7121	-3.4561	0.0316	0.0391	0.0255	0.0989	0.0101
9/17/2014	0.0607	-2.8018	-3.5186	0.0296	0.0365	0.0241	0.0928	0.0095
3/12/2015	0.0449	-3.1033	-3.5763	0.0280	0.0343	0.0228	0.0875	0.0089
10/1/2015	0.0885	-2.4248	-3.6428	0.0262	0.0320	0.0214	0.0818	0.0084
3/10/2016	0.0307	-3.4835	-3.6955	0.0248	0.0304	0.0203	0.0776	0.0079
8/18/2016	0.0215	-3.8397	-3.7482	0.0236	0.0289	0.0192	0.0737	0.0075
3/9/2017	0.0171	-4.0687	-3.8147	0.0220	0.0271	0.0179	0.0690	0.0070
8/25/2017	0.0107	-4.5375	-3.8700	0.0209	0.0258	0.0168	0.0653	0.0067
3/13/2018	0.0135	-4.3051	-3.9355	0.0195	0.0244	0.0156	0.0613	0.0062
8/29/2018	0.00912	-4.6973	-3.9909	0.0185	0.0233	0.0147	0.0581	0.0059
3/20/2019	0.0208	-3.8728	-4.0574	0.0173	0.0221	0.0136	0.0545	0.0055
8/29/2019	0.00519	-5.2610	-4.1104	0.0164	0.0212	0.0127	0.0518	0.0052
3/23/2020	0.0469	-3.0597	-4.1782	0.0153	0.0201	0.0117	0.0486	0.0048
8/27/2020	0.00257	-5.9638	-4.2296	0.0146	0.0193	0.0110	0.0463	0.0046
8/19/2021	0.0185	-3.9900	-4.3466	0.0130	0.0177	0.0095	0.0415	0.0040
8/25/2022	0.00856	-4.7607	-4.4681	0.0115	0.0162	0.0081	0.0371	0.0035
8/29/2023	0.00927	-4.6810	-4.5889	0.0102	0.0149	0.0069	0.0332	0.0031
8/19/2024	0.0128	-4.3583	-4.7055	0.0090	0.0137	0.0060	0.0299	0.0027
8/18/2025	0.0144	-4.2405	-4.8247	0.0080	0.0126	0.0051	0.0269	0.0024

GWPS = 0.01 mg/L

Projected Year to Attain Compliance with the GWPS with First Order Attenuation

10/17/2023 -4.605 0.01

Projected Year to Completion*

2031

MW-30 Arsenic Regression Analysis Continued

*The first order attenuation rate projected that compliance with the GWPS has already been achieved. However, the confidence band placed around the linear trend line (above), has not yet indicated compliance with the GWPS (although it is noted that upper 95% confidence limit is close to statistically achieving compliance with the GWPS) . While a decreasing trend has been identifed, more recent data doesn't fit first order attenuation as well. Assuming future decreases and a better fit for first order attenuation will occur, it is estimated that compliance with the GWPS may be achieved in 2028 with a projected year to completion of 2031.

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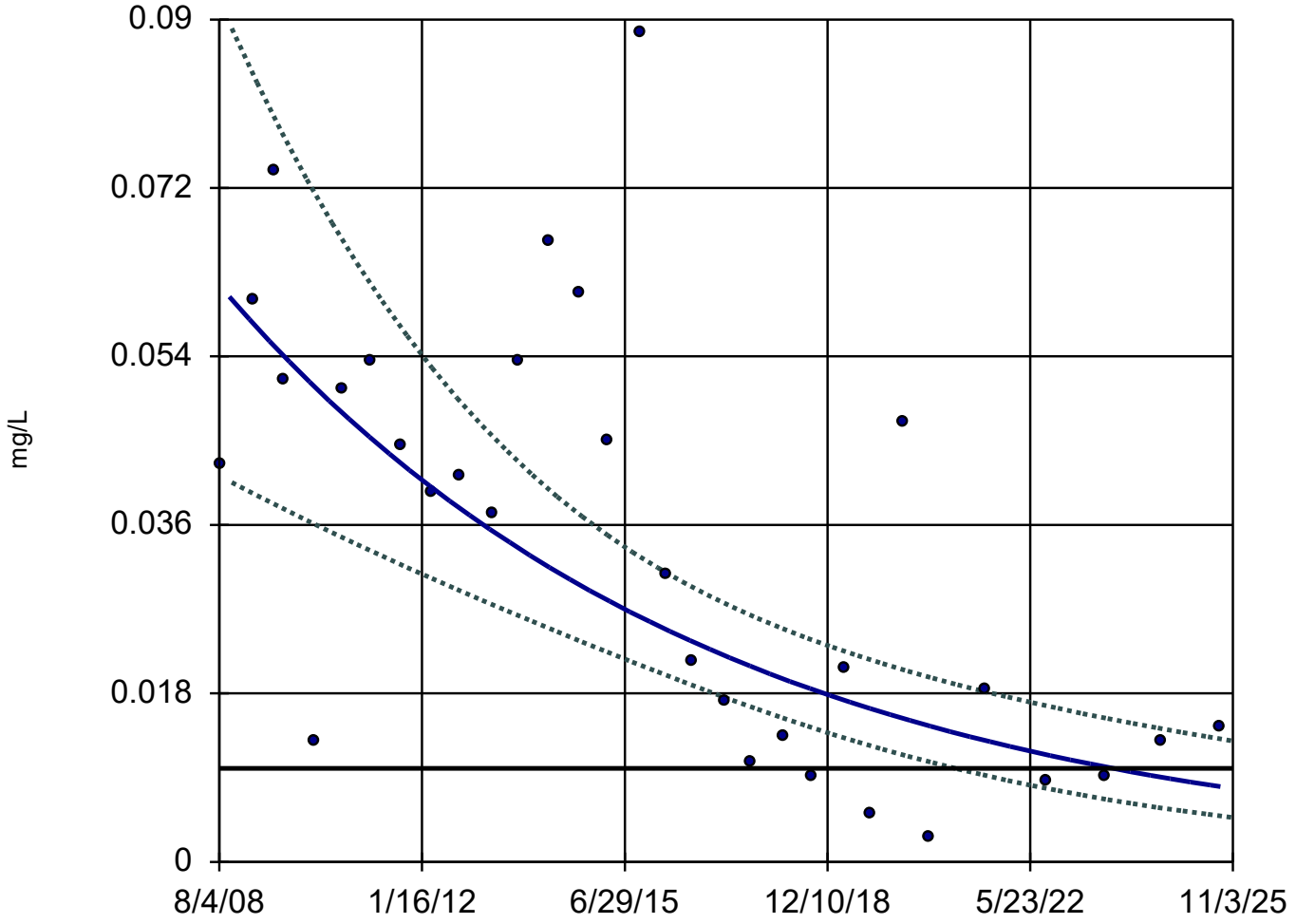
Linear Regression and 90% Confidence Band

MW-30



n = 31

Slope = -0.1196
natural log units/year.

alpha = 0.02
t = -4.835
critical = -2.15

Significant decreasing trend.

GWPS = 0.01 mg/L.

Constituent: Arsenic Analysis Run 10/23/2025 4:34 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

MW-34 Arsenic Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.523881539
R Square	0.274451866
Adjusted R Square	0.242906295
Standard Error	0.015518767
Observations	25

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.002095281	0.0020953	8.7001711	0.00719078
Residual	23	0.005539139	0.0002408		
Total	24	0.00763442			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	0.308058234	0.089726115	3.4333174	0.0022676	0.12244562	0.4936708	0.1224456	0.493670845
X Variable 1	-6.164E-06	2.08977E-06	-2.949605	0.0071908	-1.049E-05	-1.84E-06	-1.049E-05	-1.84098E-06

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
3/4/2011	0.082	0.0578	0.0676	0.0479	0.0861	0.0294
9/8/2011	0.0563	0.0566	0.0659	0.0473	0.0848	0.0284
3/7/2012	0.058	0.0555	0.0642	0.0468	0.0835	0.0275
9/11/2012	0.0585	0.0543	0.0625	0.0461	0.0822	0.0265
3/22/2013	0.0862	0.0531	0.0608	0.0454	0.0808	0.0255
9/3/2013	0.0516	0.0521	0.0594	0.0448	0.0797	0.0245
3/7/2014	0.0619	0.0510	0.0578	0.0441	0.0785	0.0235
9/17/2014	0.0402	0.0498	0.0562	0.0434	0.0772	0.0224
3/12/2015	0.0483	0.0487	0.0548	0.0426	0.0760	0.0214
10/6/2015	0.0492	0.0474	0.0532	0.0416	0.0746	0.0202
3/14/2016	0.0194	0.0464	0.0520	0.0409	0.0736	0.0193
8/12/2016	0.0205	0.0455	0.0509	0.0401	0.0727	0.0184
3/13/2017	0.0305	0.0442	0.0495	0.0389	0.0713	0.0171
8/28/2017	0.0329	0.0432	0.0485	0.0378	0.0703	0.0160
3/9/2018	0.0496	0.0420	0.0474	0.0366	0.0691	0.0148
8/30/2018	0.0371	0.0409	0.0464	0.0354	0.0681	0.0137
3/22/2019	0.0226	0.0396	0.0454	0.0339	0.0669	0.0124
8/27/2019	0.0237	0.0387	0.0447	0.0326	0.0659	0.0114
4/1/2020	0.0217	0.0373	0.0438	0.0309	0.0647	0.0100
8/20/2020	0.0245	0.0365	0.0432	0.0297	0.0639	0.0090
8/25/2021	0.0498	0.0342	0.0418	0.0266	0.0618	0.0065
8/30/2022	0.0399	0.0319	0.0405	0.0233	0.0599	0.0039
8/24/2023	0.0418	0.0297	0.0393	0.0200	0.0580	0.0014
8/20/2024	0.0359	0.0274	0.0382	0.0167	0.0561	-0.0012
8/20/2025	0.0469	0.0252	0.0371	0.0133	0.0543	-0.0039

GWPS = 0.01 mg/L

Projected Year to Attain Compliance with the GWPS (Assuming Future First Order Attenuation Instead of Linear Decay)

12/13/2047 -4.605 0.01

Projected Year to Completion

12/12/2050

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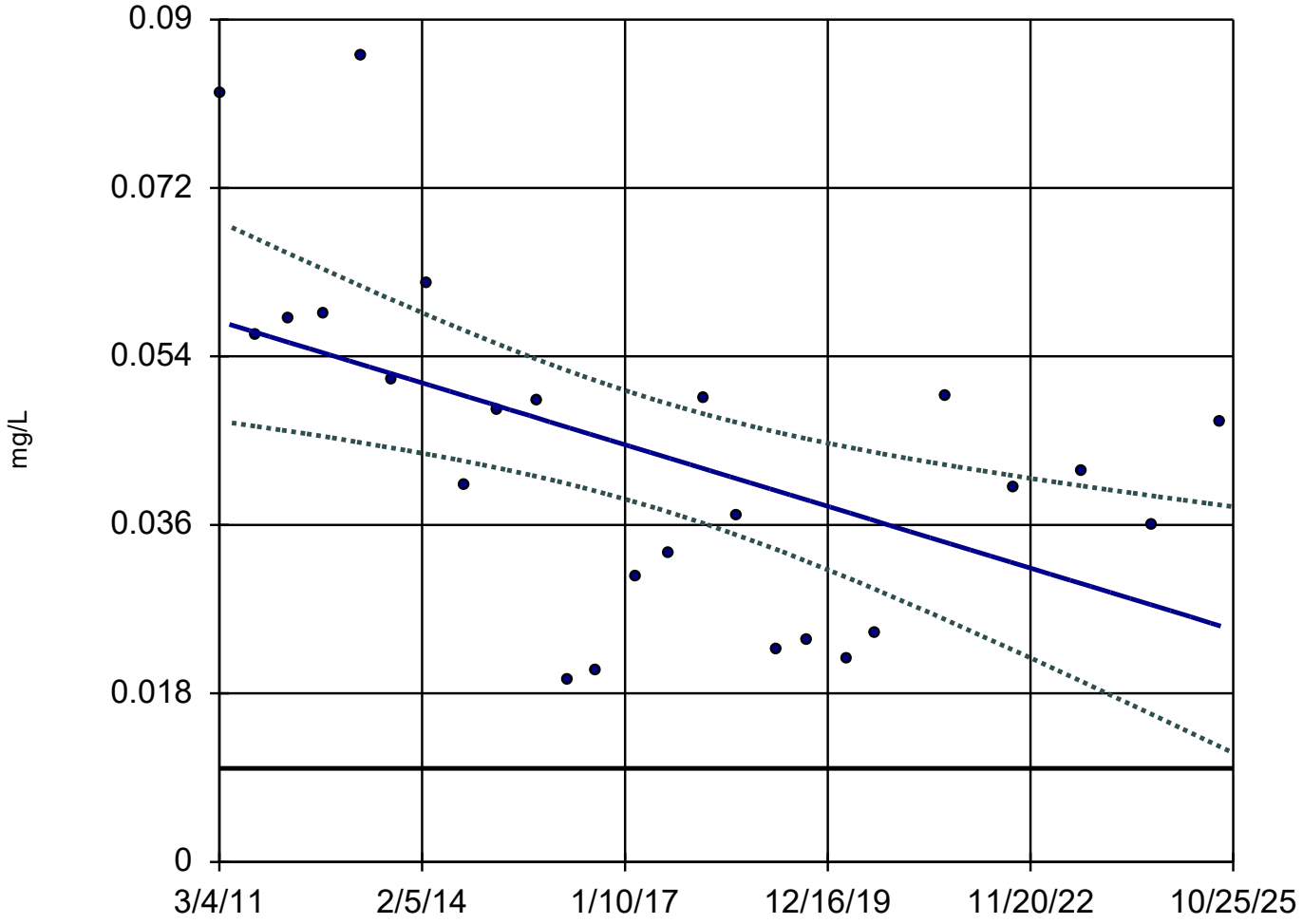
Linear Regression and 90% Confidence Band

MW-34



n = 25

Slope = -0.002251 units/year.

alpha = 0.02
t = -2.949
critical = -2.177

Significant decreasing trend.

GWPS = 0.01 mg/L.

Constituent: Arsenic Analysis Run 10/23/2025 4:39 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

AW-2 Thallium Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.566406026
R Square	0.320815786
Adjusted R Square	0.285069248
Standard Error	0.001016383
Observations	21

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	9.27121E-06	9.271E-06	8.9747373	0.00743071
Residual	19	1.96276E-05	1.033E-06		
Total	20	2.88989E-05			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	0.026330952	0.007401174	3.5576722	0.0021013	0.01084012	0.0418218	0.0108401	0.041821788
X Variable 1	-5.11937E-07	1.70886E-07	-2.995787	0.0074307	-8.696E-07	-1.543E-07	-8.696E-07	-1.54269E-07

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
3/27/2013	0.00684	0.00516	0.00584	0.00447	0.00704	0.00327
9/5/2013	0.00438	0.00507	0.00572	0.00443	0.00695	0.00320
3/11/2014	0.00233	0.00498	0.00558	0.00437	0.00684	0.00312
9/11/2014	0.00489	0.00488	0.00545	0.00432	0.00673	0.00304
3/9/2015	0.00647	0.00479	0.00532	0.00427	0.00663	0.00296
9/16/2015	0.00555	0.00469	0.00518	0.00421	0.00652	0.00287
3/4/2016	0.00434	0.00461	0.00507	0.00415	0.00642	0.00279
8/9/2016	0.00412	0.00453	0.00496	0.00409	0.00634	0.00272
3/7/2017	0.00444	0.00442	0.00483	0.00401	0.00622	0.00261
8/23/2017	0.00406	0.00433	0.00473	0.00394	0.00613	0.00253
3/7/2018	0.00578	0.00423	0.00462	0.00385	0.00603	0.00243
8/23/2018	0.00364	0.00415	0.00453	0.00376	0.00595	0.00235
3/18/2019	0.00404	0.00404	0.00443	0.00365	0.00584	0.00224
8/21/2019	0.00429	0.00396	0.00436	0.00356	0.00576	0.00216
3/24/2020	0.00321	0.00385	0.00428	0.00342	0.00566	0.00204
8/18/2020	0.00279	0.00377	0.00422	0.00333	0.00559	0.00196
8/24/2021	0.00369	0.00358	0.00410	0.00307	0.00541	0.00175
8/22/2022	0.00285	0.00340	0.00399	0.00281	0.00525	0.00155
8/22/2023	0.00277	0.00321	0.00388	0.00254	0.00509	0.00133
8/12/2024	0.00341	0.00303	0.00379	0.00227	0.00494	0.00111
8/13/2025	0.00365	0.00284	0.00370	0.00199	0.00480	0.00089

GWPS = 0.002 mg//L

Projected Year to Attain Compliance with the GWPS (Assuming Future First Order Attenuation Instead of Linear Decay)

5/8/2035 -6.215 0.002

Projected Year to Completion

5/7/2038

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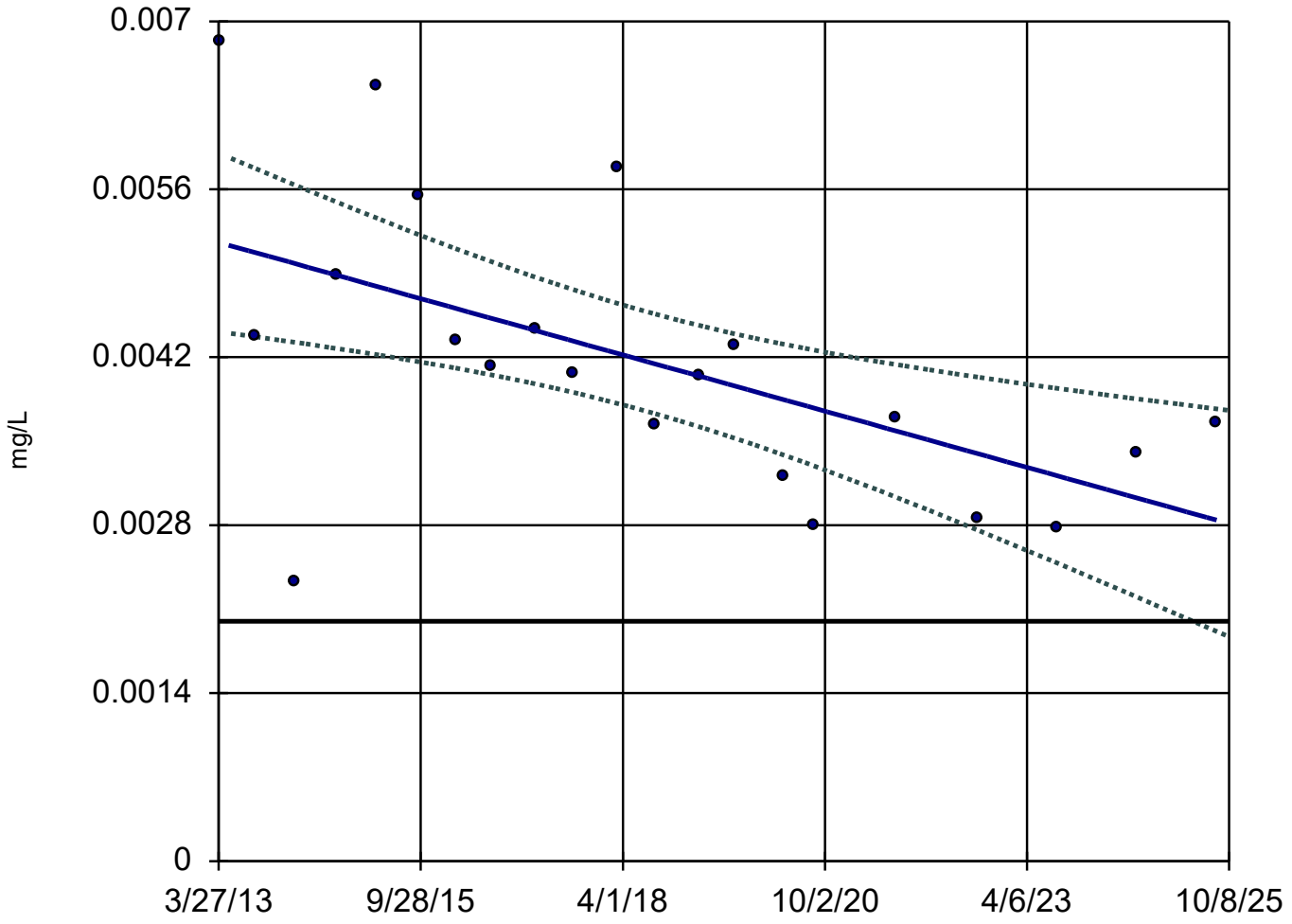
Linear Regression and 90% Confidence Band

AW-2



n = 21

Slope = -0.000187 units/year.

alpha = 0.02
t = -2.995
critical = -2.205

Significant decreasing trend.

GWPS = 0.002 mg/L.

Constituent: Thallium Analysis Run 10/23/2025 9:47 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

MW-20 Thallium Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.624650426
R Square	0.390188154
Adjusted R Square	0.359697562
Standard Error	0.001291232
Observations	22

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	2.13362E-05	2.134E-05	12.797001	0.00188518
Residual	20	3.33456E-05	1.667E-06		
Total	21	5.46818E-05			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	0.034229083	0.008847531	3.8687724	0.000956	0.01577346	0.0526847	0.0157735	0.052684709
X Variable 1	-7.32303E-07	2.04709E-07	-3.57729	0.0018852	-1.159E-06	-3.053E-07	-1.159E-06	-3.05288E-07

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
9/9/2012	0.00661	0.00409	0.00495	0.00322	0.00647	0.00170
3/29/2013	0.00405	0.00394	0.00474	0.00314	0.00631	0.00157
9/5/2013	0.00491	0.00382	0.00458	0.00306	0.00618	0.00147
3/7/2014	0.00132	0.00369	0.00440	0.00298	0.00603	0.00135
9/11/2014	0.00501	0.00355	0.00421	0.00289	0.00587	0.00123
3/16/2015	0.00337	0.00341	0.00403	0.00280	0.00573	0.00110
9/18/2015	0.00348	0.00328	0.00386	0.00270	0.00558	0.00098
3/16/2016	0.00114	0.00315	0.00369	0.00260	0.00544	0.00085
8/24/2016	0.00223	0.00303	0.00355	0.00251	0.00532	0.00074
3/6/2017	0.00185	0.00289	0.00338	0.00239	0.00517	0.00061
8/28/2017	0.00347	0.00276	0.00324	0.00228	0.00504	0.00048
3/14/2018	0.00366	0.00261	0.00309	0.00214	0.00489	0.00034
9/4/2018	0.00168	0.00249	0.00296	0.00201	0.00476	0.00021
3/20/2019	0.0005	0.00234	0.00283	0.00185	0.00462	0.00006
8/28/2019	0.00182	0.00222	0.00273	0.00172	0.00451	-0.00006
3/31/2020	0.000456	0.00207	0.00260	0.00153	0.00436	-0.00023
8/27/2020	0.00269	0.00196	0.00252	0.00139	0.00425	-0.00034
8/25/2021	0.00331	0.00169	0.00234	0.00105	0.00401	-0.00063
8/29/2022	0.00175	0.00142	0.00216	0.00068	0.00377	-0.00093
8/28/2023	0.00153	0.00115	0.00200	0.00031	0.00353	-0.00123
8/15/2024	0.00157	0.00090	0.00184	-0.00005	0.00332	-0.00152
8/19/2025	0.000667	0.00063	0.00169	-0.00044	0.00309	-0.00184

GWPS = 0.002 mg//L

First Achieved Compliance with the GWPS

Fall 2024

Projected Year to Completion

Fall 2026

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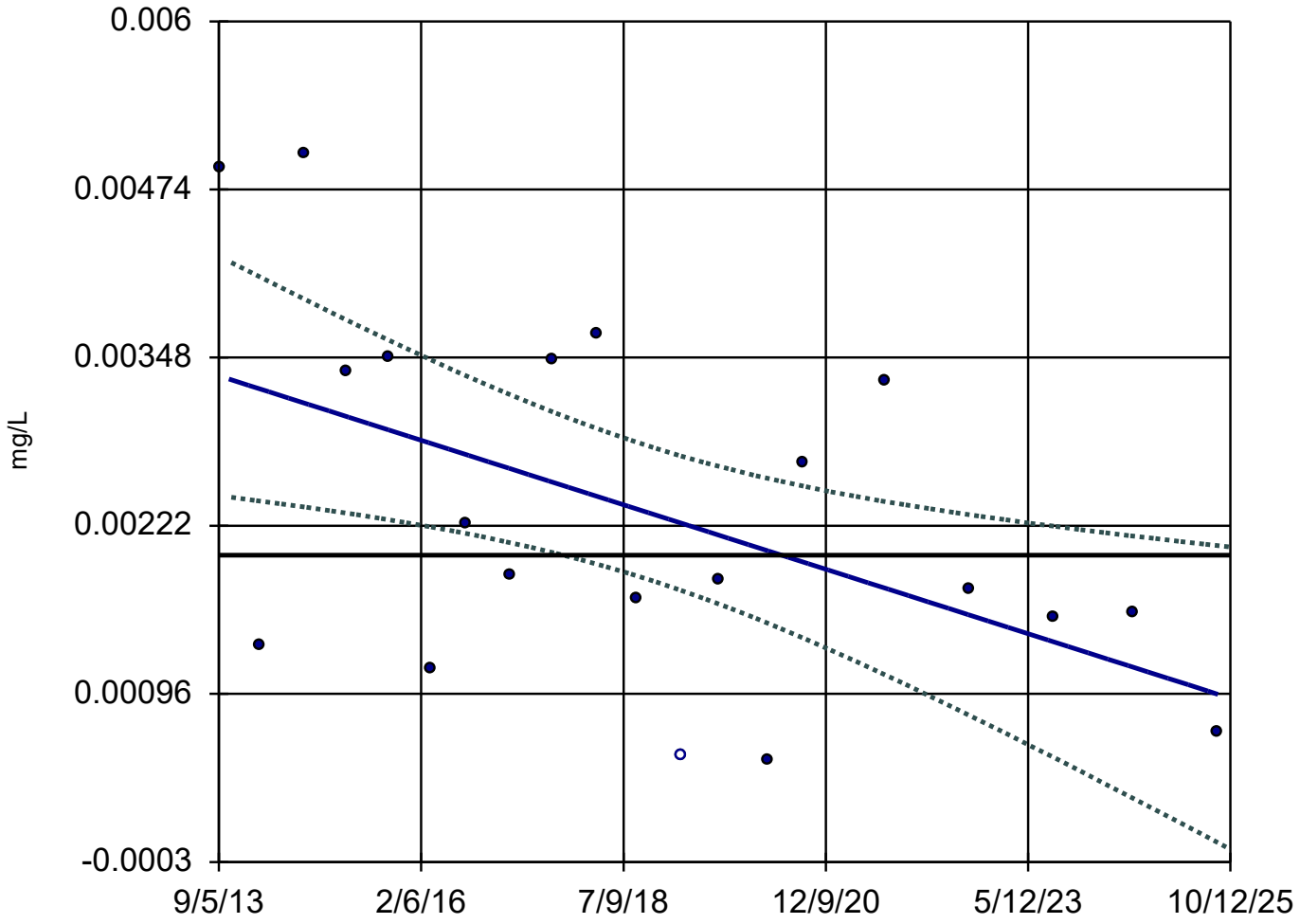
Hollow symbols indicate censored values.

Linear Regression and 90% Confidence Band

MW-20



n = 20
5% NDs

Slope = -0.0001996
units/year.

alpha = 0.02
t = -2.574
critical = -2.214

Significant decreasing trend.

GWPS = 0.002.

Constituent: Thallium Analysis Run 10/23/2025 8:58 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

MW-34 Vinyl Chloride Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.793121675
R Square	0.629041991
Adjusted R Square	0.616250336
Standard Error	4.066456764
Observations	31

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	813.1772163	813.17722	49.175964	1.035E-07
Residual	29	479.5460479	16.536071		
Total	30	1292.723264			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	133.63295	17.68607007	7.5558306	2.496E-08	97.4608753	169.80502	97.460875	169.8050248
X Variable 1	-0.002925565	0.000417189	-7.012558	1.035E-07	-0.0037788	-0.002072	-0.0037788	-0.002072317

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
8/6/2008	9.81	17.59	19.86	15.31	24.86	10.31
3/6/2009	23.2	16.97	19.12	14.81	24.20	9.73
7/17/2009	19.8	16.58	18.65	14.50	23.79	9.36
9/17/2009	14.1	16.40	18.44	14.36	23.60	9.19
3/19/2010	15.7	15.86	17.80	13.92	23.04	8.68
9/9/2010	18.3	15.35	17.20	13.51	22.50	8.20
3/4/2011	16.9	14.84	16.59	13.08	21.96	7.71
9/8/2011	21.8	14.29	15.95	12.62	21.39	7.18
3/7/2012	20.5	13.76	15.34	12.18	20.84	6.67
9/11/2012	12.2	13.21	14.71	11.70	20.28	6.14
3/22/2013	12.5	12.64	14.07	11.21	19.70	5.59
9/3/2013	7.82	12.16	13.54	10.79	19.21	5.12
3/7/2014	8.2	11.62	12.95	10.30	18.66	4.59
9/17/2014	3.99	11.05	12.34	9.77	18.08	4.03
3/12/2015	12.8	10.54	11.79	9.28	17.56	3.51
10/6/2015	11.5	9.93	11.17	8.69	16.95	2.91
3/14/2016	5.78	9.46	10.70	8.22	16.48	2.44
8/12/2016	7.38	9.02	10.27	7.77	16.04	2.00
3/13/2017	5.16	8.40	9.68	7.12	15.43	1.37
8/28/2017	7.49	7.91	9.22	6.59	14.94	0.87
3/9/2018	7.27	7.34	8.71	5.97	14.39	0.30
8/30/2018	9.4	6.83	8.26	5.41	13.89	-0.22
3/22/2019	0.5	6.24	7.74	4.74	13.31	-0.83
8/27/2019	0.5	5.77	7.34	4.21	12.86	-1.31
4/1/2020	1.63	5.14	6.80	3.47	12.24	-1.97
8/20/2020	5.79	4.72	6.46	2.99	11.85	-2.40
8/25/2021	8.14	3.64	5.57	1.72	10.81	-3.53
8/30/2022	5.37	2.56	4.69	0.43	9.79	-4.67
8/24/2023	6.35	1.51	3.85	-0.84	8.80	-5.79
8/20/2024	0.759	0.45	3.01	-2.12	7.82	-6.92
8/20/2025	0.5	-0.62	2.18	-3.41	6.83	-8.07

GWPS = 2 ug/L

Projected Year to Attain Compliance with the GWPS (Assuming Future First Order Attenuation Instead of Linear Decay)

1/17/2023 0.69 2.00

Projected Year to Completion

2029

MW-34 Vinyl Chloride Regression Analysis Continued

*The first order attenuation rate projected that compliance with the GWPS has already been achieved. However, the confidence band placed around the linear trend line (above), has not yet indicated compliance with the GWPS (although it is noted that upper 95% confidence limit is close to statistically achieving compliance with the GWPS, and the 2019, Apr. 2020, and Aug. 2024 and 2025 individual results were below the GWPS). While an overall decreasing trend has been identifed, individual results have fluctuated above and below the linear trend line. Individual results were below the GWPS between Mar. 2019 and Apr. 2020, above the GWPS between Aug. 2020 and Aug. 2023, and back below the GWPS in Aug. 2024 and Aug. 2025. Assuming future concentrations remain below the GWPS and below or near the linear trend line, it is estimated that compliance with the GWPS may be achieved in 2026 with a projected year to completion of 2029.

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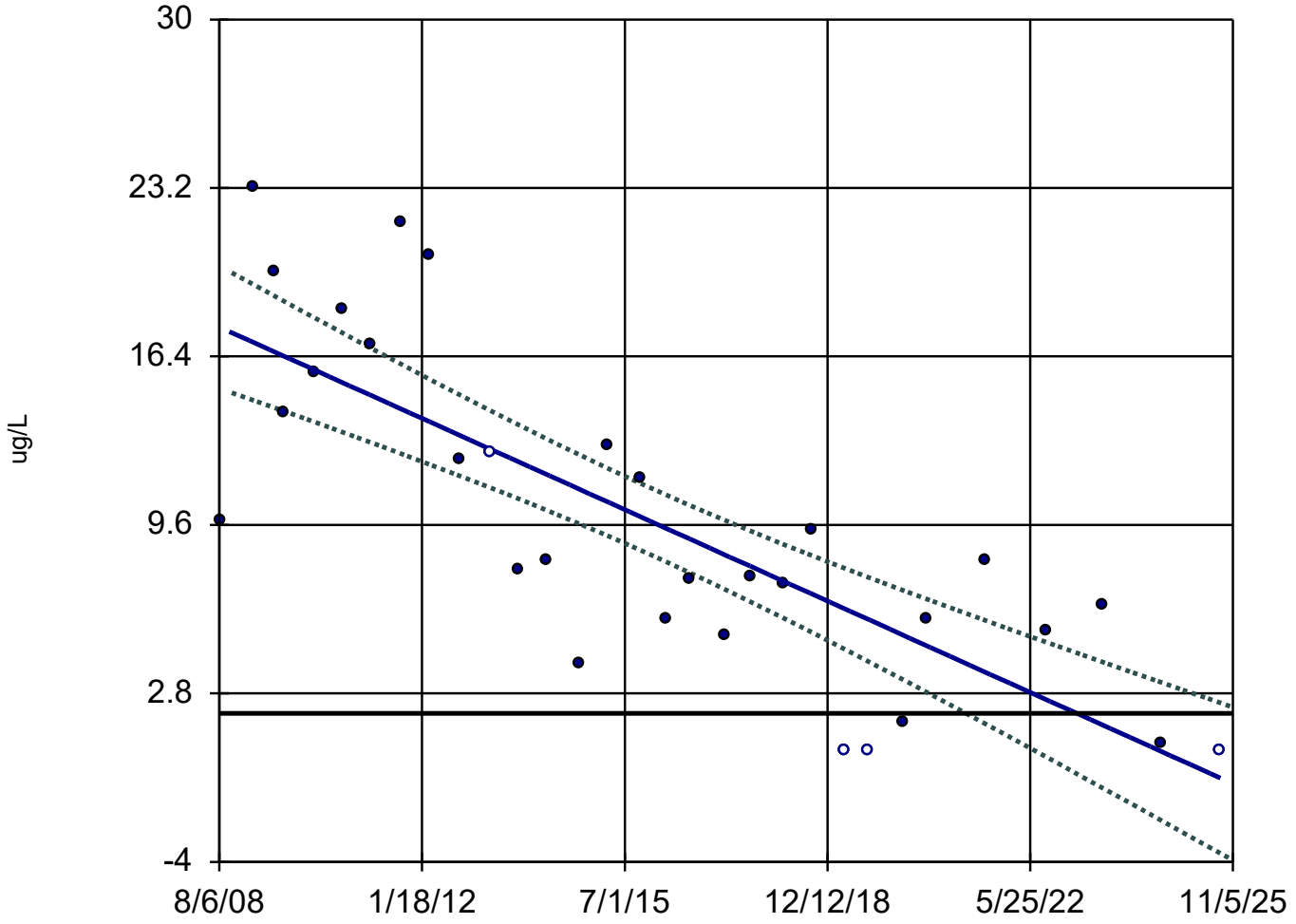
Hollow symbols indicate censored values.

Linear Regression and 90% Confidence Band

MW-34



n = 31
12.9% NDs

Slope = -1.068
units/year.

alpha = 0.02
t = -7.011
critical = -2.15

Significant decreasing trend.

GWPS = 2 ug/L.

Constituent: Vinyl Chloride Analysis Run 10/23/2025 9:24 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Upper Bedrock Cobalt

GWPS as Background - *Two-Sample* Prediction Limit Testing Method

Prediction Limits in Corrective Action Mode [1]

Constituent	Well	Upper Limit	Date	Observation	Exceed	Background N	Background Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Delineation Monitoring Locations													
Cobalt (mg/L)	MW-105A	0.008	8/20/2025	0.00325	No	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2
Cobalt (mg/L)	MW-106A	0.008	8/18/2025	0.0253	Yes	44	n/a	n/a	30	n/a	n/a	0.0009157	NP Inter (normality) 1 of 2

[1] Interwell prediction limit data consists of the detected Appendix I and II parameters in the combined MW-37 and MW-101A data set. Note that background data set adjustments were incorporated in accordance with Section 3.1 of the Fall 2025 Statistical Evaluation memo.

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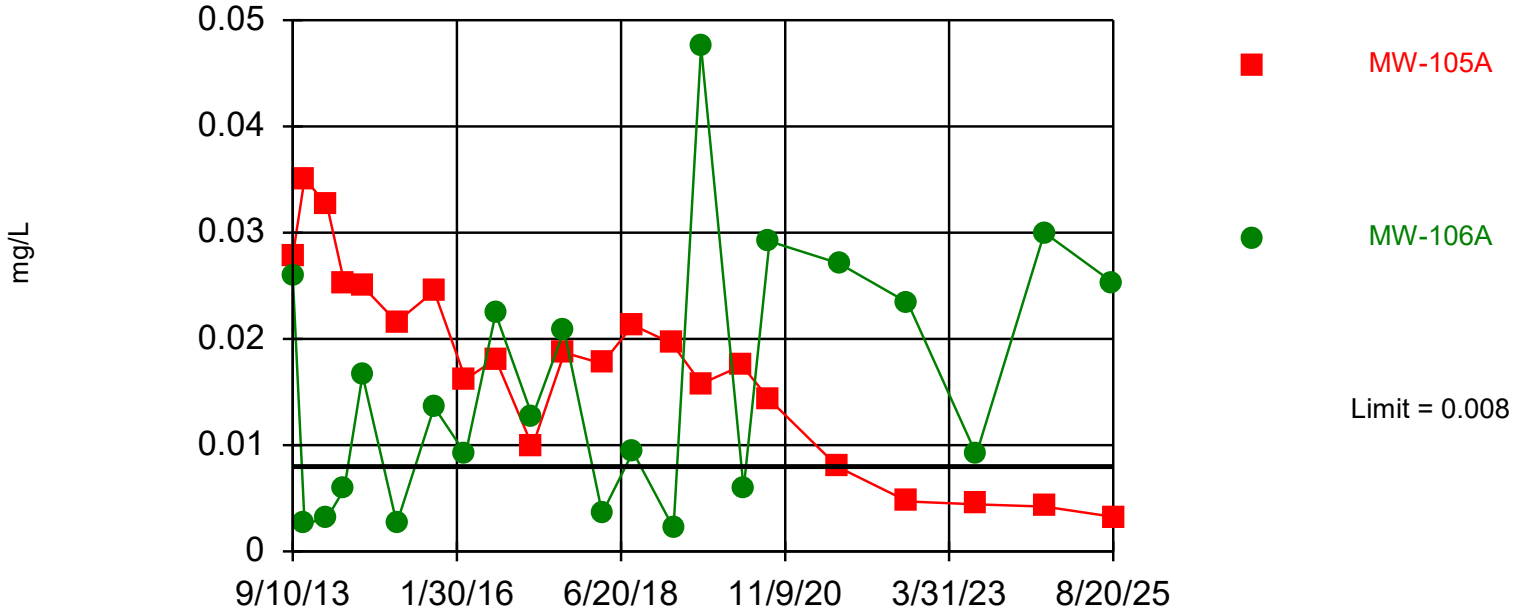
Exceeds Limit: MW-106A

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 44 background values. 29.55% NDs. Annual per-constituent alpha = 0.03775. Individual comparison alpha = 0.0009157 (1 of 2).

Constituent: Cobalt Analysis Run 10/22/2025 2:02 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Fall 2025 Evaluation

Deeper Bedrock

Confidence Interval - Corrective Action Mode [1]

Constituent Name	Well	Upper Limit	Lower Limit	Compliance Limit [2]	Exceeds	N	Mean	Standard Deviation	% Non-detects	Non-detect Adjustment	Transformation	Alpha	Method
Delineation Monitoring Locations													
Arsenic (mg/L)	MW-109B	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											
Cobalt (mg/L)	MW-105B	0.00372	0.00264	0.0021	Yes	18	0.00367	0.00192	0	None	No	0.1	NP (normality)
Cobalt (mg/L)	MW-109B	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											
Thallium (mg/L)	MW-109B	Evaluated with Linear Regression Confidence Band Testing Method. Significant Decreasing Trend in Data.											
Corrective Action Monitoring Locations													
Arsenic (mg/L)	CRL-9	0.0411	0.0367	0.01	Yes	31	0.0389	0.0094	0	None	No	0.1	Param.
Arsenic (mg/L)	MW-14	0.0253	0.0197	0.01	Yes	36	0.0286	0.0262	0	None	No	0.1	NP (normality)
Arsenic (mg/L)	MW-22	0.0517	0.0421	0.01	Yes	31	0.0486	0.0206	0	None	No	0.1	NP (normality)
Arsenic (mg/L)	MW-33	0.0387	0.0349	0.01	Yes	36	0.0368	0.0088	0	None	No	0.1	Param.
Arsenic (mg/L)	MW-36	0.0692	0.0586	0.01	Yes	31	0.0625	0.0178	0	None	No	0.1	NP (normality)
Cobalt (mg/L)	AW-6	0.00916	0.00854	0.0021	Yes	26	0.00885	0.00120	0	None	No	0.1	Param.
Cobalt (mg/L)	CRL-9	0.00496	0.00412	0.0021	Yes	18	0.00454	0.00134	0	None	No	0.1	Param.
Cobalt (mg/L)	MW-22	0.00312	0.00285	0.0021	Yes	18	0.00298	0.00043	0	None	No	0.1	Param.

[1] Under corrective action mode, an SSL is rejected when the upper confidence limit lies below the groundwater protection standard (compliance limit).

[2] Value is the 40 CFR Part 141 Safe Drinking Water Act MCL or the IAC 567 Chapter 137 Statewide Standard for a Protected Groundwater Source.

MW-109B Arsenic Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.652606137
R Square	0.42589477
Adjusted R Square	0.368484247
Standard Error	0.002483429
Observations	12

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	4.57525E-05	4.575E-05	7.4184095	0.02142472
Residual	10	6.16742E-05	6.167E-06		
Total	11	0.000107427			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	0.160534853	0.051357735	3.1258165	0.0107669	0.04610269	0.274967	0.0461027	0.274967017
X Variable 1	-3.11486E-06	1.14362E-06	-2.723676	0.0214247	-5.663E-06	-5.67E-07	-5.663E-06	-5.66707E-07

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
3/31/2020	0.0276	0.0237	0.0261	0.0213	0.0288	0.0186
8/20/2020	0.0243	0.0233	0.0255	0.0211	0.0283	0.0183
3/25/2021	0.0224	0.0226	0.0244	0.0208	0.0275	0.0177
8/23/2021	0.0189	0.0221	0.0238	0.0205	0.0269	0.0174
3/31/2022	0.0168	0.0215	0.0229	0.0201	0.0262	0.0167
8/25/2022	0.0219	0.0210	0.0223	0.0197	0.0257	0.0163
3/23/2023	0.0202	0.0203	0.0217	0.0190	0.0250	0.0157
8/24/2023	0.0192	0.0199	0.0213	0.0185	0.0246	0.0151
3/28/2024	0.0196	0.0192	0.0208	0.0176	0.0240	0.0144
8/15/2024	0.0214	0.0187	0.0206	0.0169	0.0236	0.0139
3/26/2025	0.0165	0.0181	0.0202	0.0159	0.0231	0.0131
8/20/2025	0.0192	0.0176	0.0200	0.0152	0.0227	0.0125

GWPS = 0.01 mg/L

Projected Year to Attain Compliance with the GWPS (Assuming Future First Order Attenuation Instead of Linear Decay)

11/23/2066 -6.166 0.0021

Projected Year to Completion

11/22/2069

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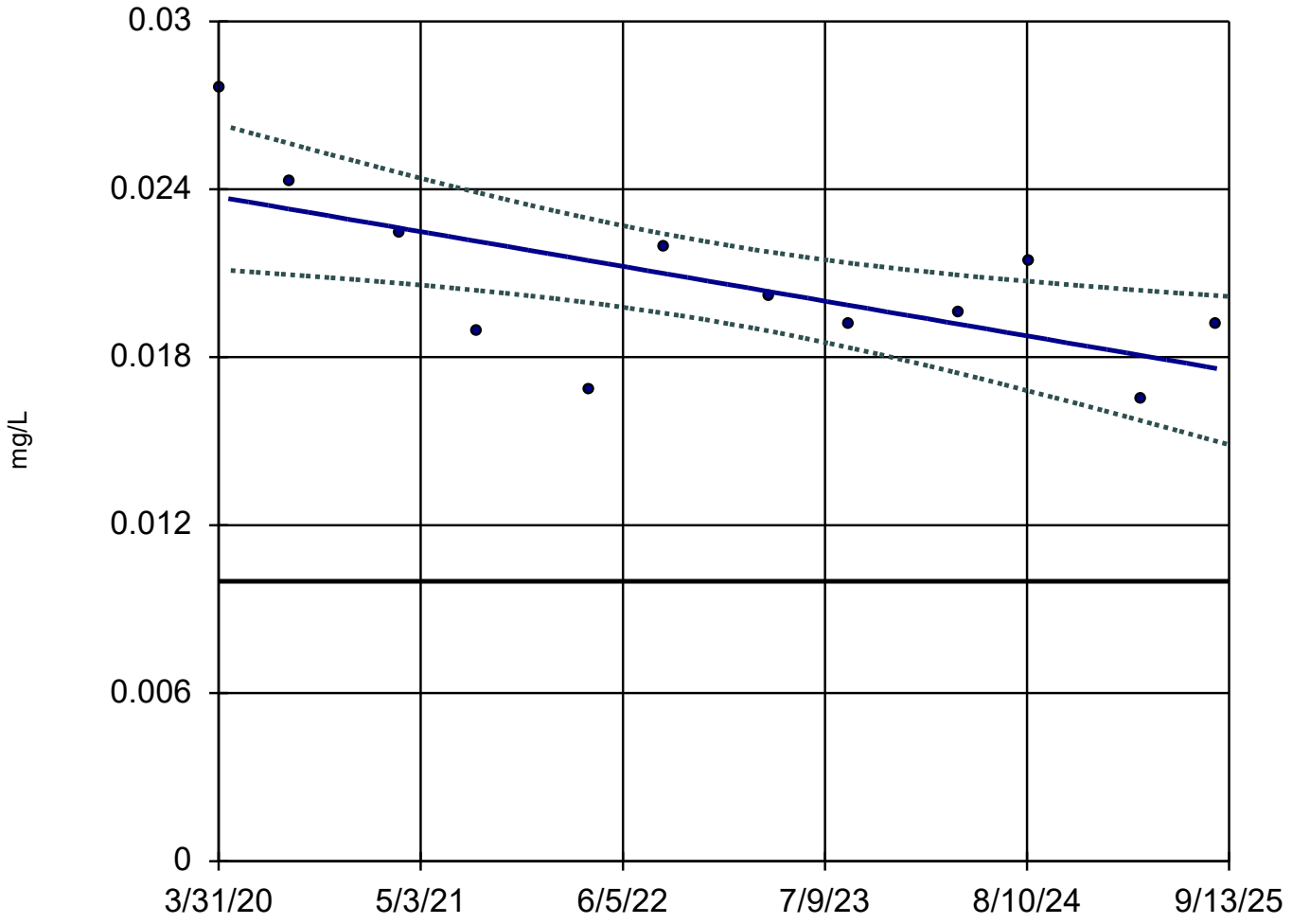
Linear Regression and 90% Confidence Band

MW-109B



n = 12

Slope = -0.001138 units/year.

alpha = 0.02
t = -2.722
critical = -2.359

Significant decreasing trend.

GWPS = 0.01 mg/L.

Constituent: Arsenic Analysis Run 10/23/2025 10:21 AM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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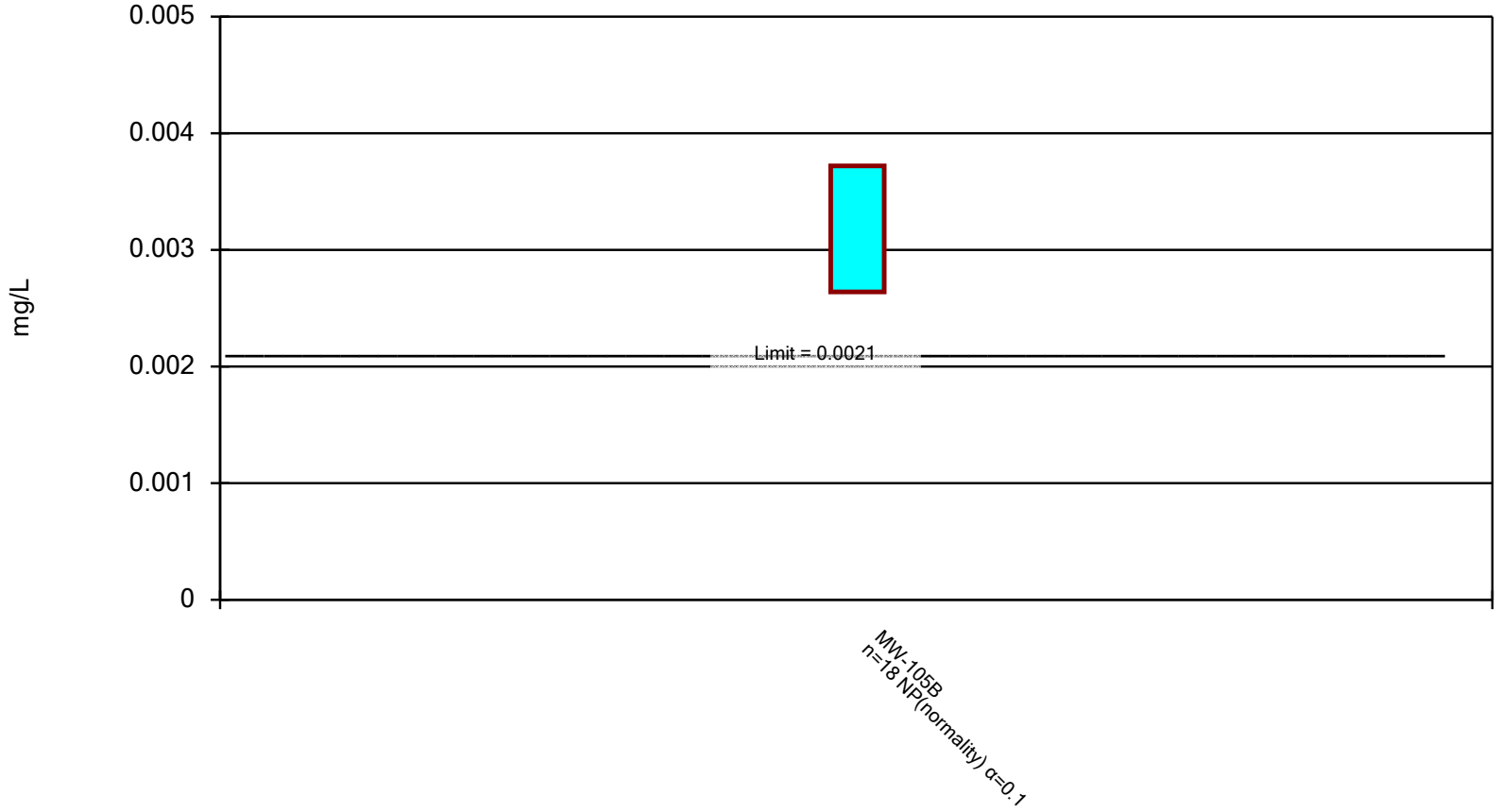
Non-Parametric Confidence Interval, Corrective Action Mode

Compliance limit is exceeded.



Constituent: Cobalt Analysis Run 10/23/2025 10:56 AM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

MW-109B Cobalt Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.644992748
R Square	0.416015645
Adjusted R Square	0.381663624
Standard Error	0.002191952
Observations	19

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	5.81861E-05	5.819E-05	12.110369	0.00286566
Residual	17	8.16791E-05	4.805E-06		
Total	18	0.000139865			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	0.104565823	0.024703436	4.2328453	0.0005605	0.05244613	0.1566855	0.0524461	0.156685517
X Variable 1	-1.93857E-06	5.57062E-07	-3.479996	0.0028657	-3.114E-06	-7.63E-07	-3.114E-06	-7.63275E-07

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
11/27/2017	0.0269	0.02108	0.02259	0.01957	0.02518	0.01698
3/8/2018	0.0191	0.02088	0.02232	0.01945	0.02496	0.01681
6/15/2018	0.0232	0.02069	0.02205	0.01933	0.02474	0.01664
9/4/2018	0.0214	0.02053	0.02183	0.01924	0.02456	0.01651
11/27/2018	0.0192	0.02037	0.02161	0.01913	0.02438	0.01636
4/19/2019	0.016	0.02009	0.02124	0.01895	0.02408	0.01611
8/27/2019	0.0181	0.01984	0.02091	0.01877	0.02380	0.01588
3/31/2020	0.0184	0.01942	0.02038	0.01846	0.02335	0.01549
8/20/2020	0.0194	0.01915	0.02006	0.01823	0.02307	0.01523
3/25/2021	0.018	0.01873	0.01960	0.01785	0.02264	0.01481
8/23/2021	0.0168	0.01843	0.01931	0.01755	0.02235	0.01452
3/31/2022	0.0163	0.01801	0.01893	0.01708	0.02193	0.01408
8/25/2022	0.0191	0.01772	0.01870	0.01674	0.02166	0.01378
3/23/2023	0.0173	0.01731	0.01840	0.01622	0.02128	0.01335
8/24/2023	0.0169	0.01702	0.01820	0.01583	0.02101	0.01302
3/28/2024	0.0191	0.01660	0.01793	0.01526	0.02064	0.01255
8/15/2024	0.0173	0.01632	0.01777	0.01488	0.02040	0.01225
3/26/2025	0.0157	0.01589	0.01751	0.01427	0.02003	0.01175
8/20/2025	0.0155	0.01561	0.01735	0.01387	0.01980	0.01142

GWPS = 0.0021 mg/L

Projected Year to Attain Compliance with the GWPS (Assuming Future First Order Attenuation Instead of Linear Decay)

11/9/2081 -6.166 0.0021

Projected Year to Completion

11/8/2084

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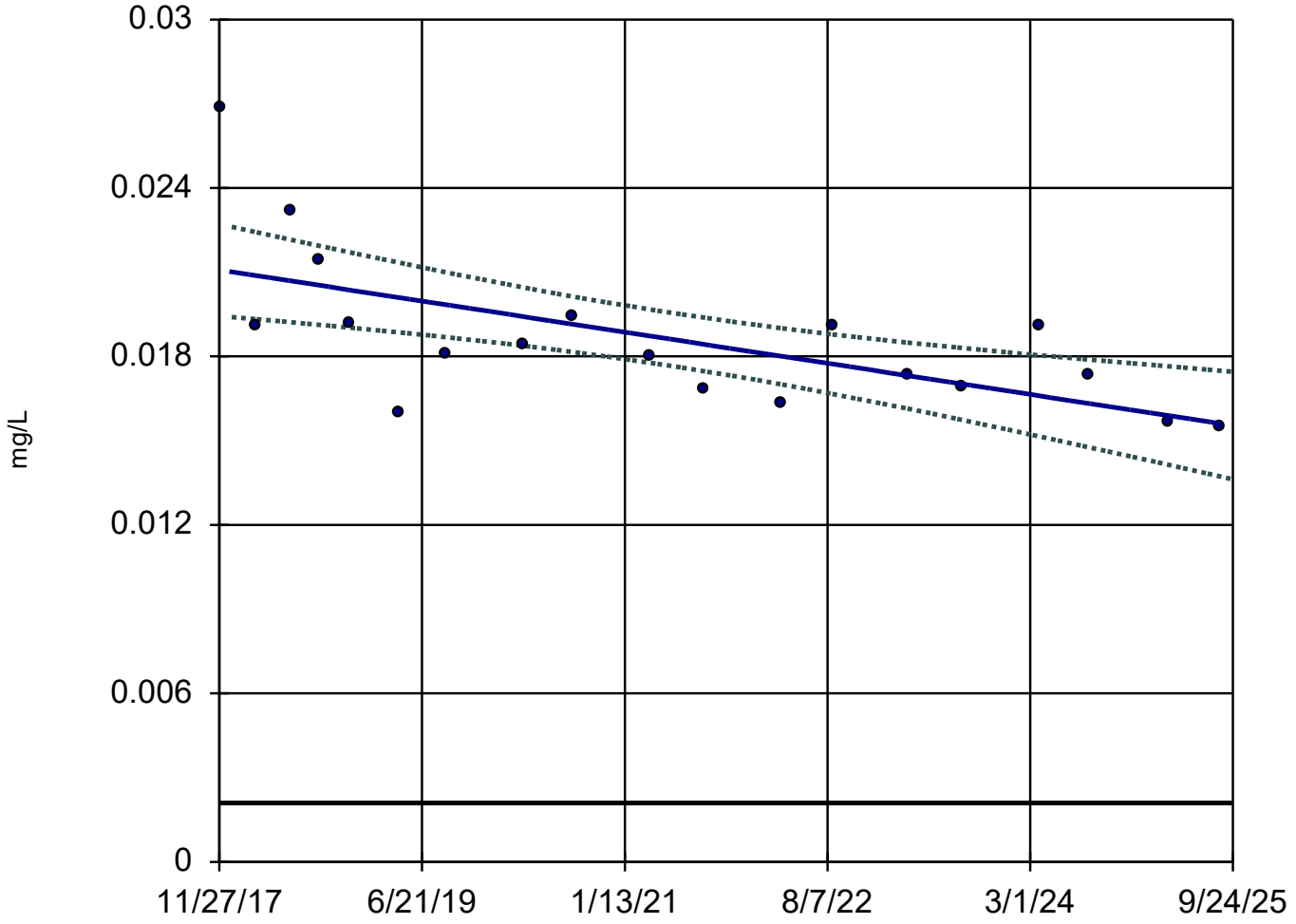
Linear Regression and 90% Confidence Band

MW-109B



n = 19

Slope = -0.000708 units/year.

alpha = 0.02
t = -3.478
critical = -2.224

Significant decreasing trend.

GWPS = 0.0021 mg/L.

Constituent: Cobalt Analysis Run 10/23/2025 10:24 AM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

MW-109B Thallium Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.536926824
R Square	0.288290415
Adjusted R Square	0.246425145
Standard Error	0.000519694
Observations	19

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.85982E-06	1.86E-06	6.8861473	0.01776901
Residual	17	4.59139E-06	2.701E-07		
Total	18	6.45121E-06			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	0.020069553	0.005856981	3.4266035	0.0032171	0.0077124	0.0324267	0.0077124	0.032426703
X Variable 1	-3.46584E-07	1.32075E-07	-2.624147	0.017769	-6.252E-07	-6.79E-08	-6.252E-07	-6.79302E-08

X	Y	Predicted	Upper 95% CL	Lower 95% CL	Upper 95% PL	Lower 95% PL
11/27/2017	0.00463	0.00514	0.00550	0.00479	0.00612	0.00417
3/8/2018	0.0052	0.00511	0.00545	0.00477	0.00607	0.00414
6/15/2018	0.00513	0.00507	0.00540	0.00475	0.00603	0.00411
9/4/2018	0.00531	0.00505	0.00535	0.00474	0.00600	0.00409
11/27/2018	0.00453	0.00502	0.00531	0.00472	0.00597	0.00407
4/19/2019	0.00464	0.00497	0.00524	0.00470	0.00591	0.00402
8/27/2019	0.00482	0.00492	0.00518	0.00467	0.00586	0.00398
3/31/2020	0.00557	0.00485	0.00508	0.00462	0.00578	0.00391
8/20/2020	0.00446	0.00480	0.00501	0.00458	0.00573	0.00387
3/25/2021	0.00525	0.00472	0.00493	0.00452	0.00565	0.00380
8/23/2021	0.00475	0.00467	0.00488	0.00446	0.00560	0.00374
3/31/2022	0.00456	0.00459	0.00481	0.00437	0.00552	0.00366
8/25/2022	0.00557	0.00454	0.00478	0.00431	0.00548	0.00361
3/23/2023	0.00515	0.00447	0.00473	0.00421	0.00541	0.00353
8/24/2023	0.00342	0.00442	0.00470	0.00414	0.00536	0.00347
3/28/2024	0.00452	0.00434	0.00466	0.00403	0.00530	0.00338
8/15/2024	0.00378	0.00429	0.00464	0.00395	0.00526	0.00333
3/26/2025	0.00382	0.00422	0.00460	0.00383	0.00520	0.00323
8/20/2025	0.00425	0.00417	0.00458	0.00375	0.00516	0.00317

GWPS = 0.002 mg//L

Projected Year to Attain Compliance with the GWPS (Assuming Future First Order Attenuation Instead of Linear Decay)

12/24/2048 -6.166 0.0021

Projected Year to Completion

12/24/2051

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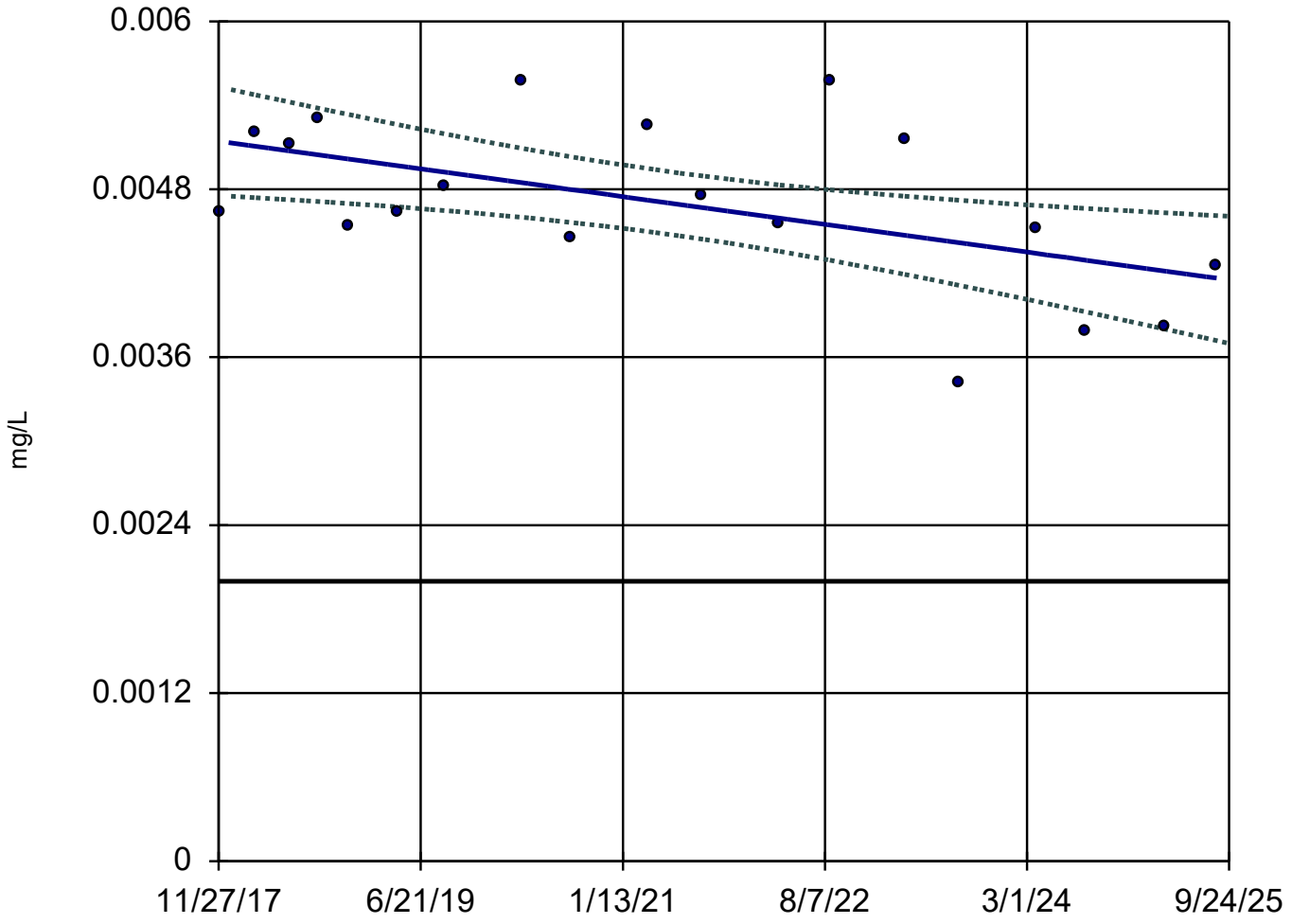
Linear Regression and 90% Confidence Band

MW-109B



n = 19

Slope = -0.0001266 units/year.

alpha = 0.02
t = -2.623
critical = -2.224

Significant decreasing trend.

GWPS = 0.002 mg/L.

Constituent: Thallium Analysis Run 10/23/2025 10:34 AM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

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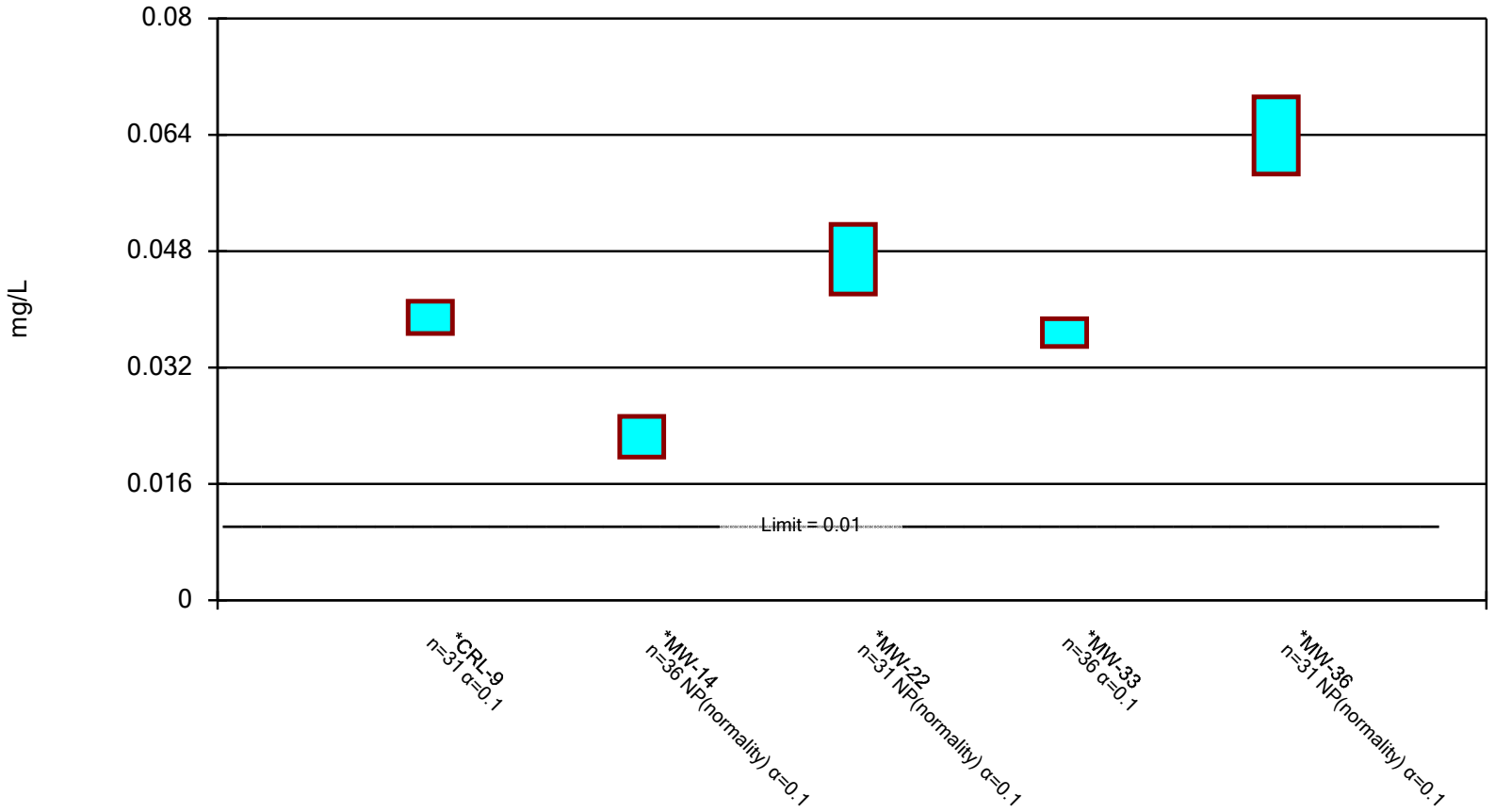
Parametric and Non-Parametric (NP) Confidence Interval, Corrective Action Mode

Compliance limit is exceeded.* Normality Test: Shapiro Wilk, alpha based on n.



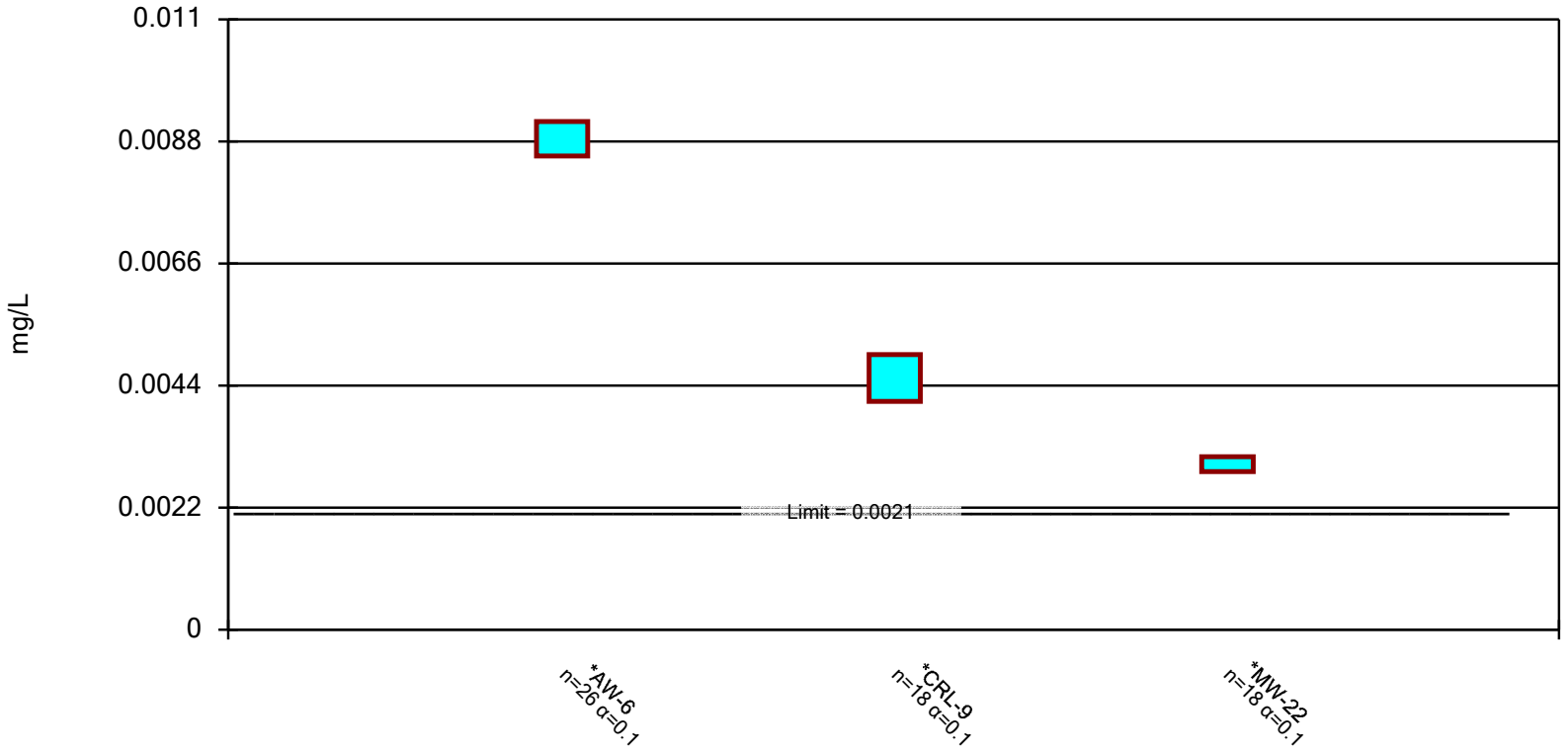
Constituent: Arsenic Analysis Run 10/23/2025 10:59 AM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Sanitas™ v.10.1.02 Software licensed to Foth Infrastructure & Environment, LLC. UG

Parametric Confidence Interval, Corrective Action Mode

Compliance limit is exceeded.* Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 10/23/2025 10:59 AM

Linn County SWAL Client: Foth Data: Site 1 Deeper Bedrock - Fall 2025 Evaluation

Sample Values and Corresponding 1st-Order Regression Calculations for Date to Completion

	Upper Bedrock Corrective Action and Delineation Monitoring					Deeper Bedrock Corrective Action		
Date	AW-2 Arsenic mg/L	MW-32 Arsenic mg/L	MW-106A Arsenic mg/L	MW-106A Arsenic mg/L	MW-106A Cobalt mg/L	AW-6 Cobalt mg/L	AW-6 Cobalt mg/L	CRL-9 Arsenic mg/L
				Start 10/2015			Start 3/2012	
2008/08	0.0435	0.051						0.0369
2009/03	0.0219	0.0676						0.0239
2009/07	0.202	0.027						0.029
2009/09	0.0159	0.0456						0.0392
2010/03	0.0184	0.0231						0.019
2010/09	0.0167	0.0236				0.00636		0.0428
2011/03	0.0165	0.0971				0.00834		0.0466
2011/09	0.0138	0.035				0.00615		0.0382
2012/03	0.017	0.0614				0.00948		0.0372
2012/09	0.0216	0.065				0.00999		0.0326
2013/03	0.0343	0.127				0.00882		0.0712
2013/05								
2013/09	0.0176	0.146	0.00766		0.0259	0.0074		0.034
2013/11			0.0110		0.00259			
2014/03	0.022	0.085	0.0111		0.00314	0.00827		0.0415
2014/06			0.0122		0.00589			
2014/09	0.0175	0.118	0.0184		0.0166	0.0079		0.0329
2015/03	0.0533	0.11	0.0163		0.00263	0.00881		0.0394
2015/09	0.0163	0.0506				0.00912		0.0417
2015/10			0.0192		0.0136			
2016/03	0.0148	0.0373	0.0177		0.00917	0.00985		0.039
2016/08	0.0133	0.0361	0.0168		0.0224	0.00924		0.04
2017/03	0.0148	0.0328	0.0173		0.0127	0.00942		0.0307
2017/08	0.0131	0.0384	0.0235		0.0208	0.00788		0.0319
2017/11								
2018/03	0.0161	0.189	0.0151		0.00358	0.00981		0.0412
2018/06								
2018/08	0.0141	0.0639	0.0128		0.00937	0.00918		0.0397
2018/09								
2018/11								
2019/03	0.014	0.0743	0.0133		0.00222	0.0118		0.0543
2019/04								
2019/08	0.0143	0.0253	0.0168		0.0475	0.00792		0.0413
2020/03	0.0171	0.0702						0.0367
2020/04			0.0102		0.0059	0.00876		
2020/08	0.0149	0.0465	0.0135		0.0292	0.009		0.0332
2021/03		0.0889						
2021/08	0.0172	0.0272	0.0141		0.0271	0.00852		0.0413
2022/03		0.172						
2022/08	0.0157	0.345	0.0106		0.0234	0.00919		0.037
2023/03		0.135						
2023/08	0.0173	0.207	0.0124		0.00913	0.01		0.0335
2024/03		0.109						
2024/08	0.0166	0.247	0.0128		0.03	0.0104		0.0487
2025/03		0.409						
2025/08	0.0175	0.532	0.0243		0.0253	0.0084		0.0511
Aug. 2025 Sample	0.0175	0.532	0.0243	0.0243	0.0253	0.0084	0.0084	0.0511
GWPS	0.01	0.01	0.01	0.01	0.008	0.0021	0.0021	0.01
Regression Sample Size	31	36	22	16	22	26	23	31
Regression Slope	-0.000120	0.000253	0.000028	-0.000061	0.000304	0.000040	0.000014	0.000043
Regression y-Intercept	1.150416	-13.351754	-5.446321	-1.510652	-17.643279	-6.437135	-5.306846	-5.098198
Regression *p* -level	0.028	0.00024	0.561	0.312	0.047	0.025	0.390	0.079
Estimated Date to Attain GWPS	Feb-2031	No Attenuation	No Attenuation	Jul-2038	No Attenuation	No Attenuation	No Attenuation	No Attenuation
Projected Year to Completion	Feb-2034	No Attenuation	No Attenuation	Jul-2041	No Attenuation	No Attenuation	No Attenuation	No Attenuation

Sample Values and Corresponding 1st-Order Regression Calculations for Date to Completion

	Deeper Bedrock Corrective Action Monitoring						
Date	CRL-9 Arsenic mg/L	CRL-9 Cobalt mg/L	CRL-9 Cobalt mg/L	MW-14 Arsenic mg/L	MW-22 Arsenic mg/L	MW-22 Arsenic mg/L	MW-22 Cobalt mg/L
	Start 9/2010		Start 3/2015			Start 3/2015	
2008/08				0.0308	0.0282		
2009/03				0.0224	0.0258		
2009/07				0.019	0.029		
2009/09				0.019	0.0334		
2010/03				0.0155	0.025		
2010/09				0.0216	0.0442		
2011/03				0.0237	0.0433		
2011/09				0.0296	0.0316		
2012/03				0.0327	0.0415		
2012/09				0.0201	0.0339		
2013/03				0.139	0.141		
2013/05							
2013/09				0.0199	0.0395		
2013/11							
2014/03				0.0153	0.0421		
2014/06							
2014/09		0.00163		0.0234	0.0401		0.00338
2015/03		0.0058		0.0164	0.0558		0.00272
2015/09		0.00411			0.0473		0.00246
2015/10				0.0286			
2016/03		0.00574		0.0248	0.0574		0.00345
2016/08		0.00422		0.0346	0.0471		0.00246
2017/03		0.00373		0.0244	0.0501		0.00327
2017/08		0.00397		0.0264	0.0414		0.0028
2017/11							
2018/03		0.00602		0.0291	0.0669		0.00271
2018/06							
2018/08		0.00493		0.0105			
2018/09					0.0464		0.00246
2018/11							
2019/03		0.00234		0.115	0.0655		0.0034
2019/04							
2019/08		0.00431		0.0633	0.0436		0.00306
2020/03		0.00572		0.0317	0.0585		0.00322
2020/04							
2020/08		0.00411		0.0197	0.0525		0.00383
2021/03				0.0281			
2021/08		0.00741		0.0273	0.0517		0.00328
2022/03				0.0129			
2022/08		0.00401		0.0108	0.0523		0.00272
2023/03				0.00844			
2023/08		0.00489		0.0142	0.0566		0.00338
2024/03				0.0253			
2024/08		0.00408		0.0151	0.0551		0.00254
2025/03				0.0112			
2025/08		0.00464		0.0189	0.0607		0.00255
Aug. 2025 Sample	0.0511	0.00464	0.00464	0.0189	0.0607	0.0607	0.00255
GWPS	0.01	0.0021	0.0021	0.01	0.01	0.01	0.0021
Regression Sample Size	26	18	17	36	31	17	18
Regression Slope	0.000004	0.000068	-0.000003	-0.000068	0.000107	0.000032	-0.000004
Regression y-Intercept	-3.382979	-8.428623	-5.240579	-0.858147	-7.613204	-4.330350	-5.630306
Regression *p* -level	0.878	0.346	0.954	0.190	0.001	0.288	0.883
Estimated Date to Attain GWPS	No Attenuation	No Attenuation	No Attenuation	Oct-2050	No Attenuation	No Attenuation	Nov-2228
Projected Year to Completion	No Attenuation	No Attenuation	No Attenuation	Oct-2053	No Attenuation	No Attenuation	Nov-2231

Sample Values and Corresponding 1st-Order Regression Calculations for Date to Completion

	Deeper Bedrock Corrective Action Monitoring					
Date	MW-33 Arsenic mg/L	MW-33 Arsenic mg/L	MW-36 Arsenic mg/L	MW-36 Arsenic mg/L	MW-105B Cobalt mg/L	MW-105B Cobalt mg/L
		Start 3/2015		Start 3/2011		Start 3/2017
2008/08	0.0249		0.0372			
2009/03	0.0233		0.0441			
2009/07	0.0248		0.0413			
2009/09	0.023		0.0358			
2010/03	0.0262		0.0443			
2010/09	0.0272		0.0382			
2011/03	0.0341		0.0696			
2011/09	0.0283		0.0592			
2012/03	0.0292		0.0633			
2012/09	0.0261		0.071			
2013/03	0.027		0.134			
2013/05						
2013/09	0.0324		0.0701			
2013/11						
2014/03	0.0297		0.075			
2014/06						
2014/09	0.0271		0.0585		0.00224	
2015/03	0.0442		0.0683		0.00233	
2015/09	0.0422		0.0659			
2015/10					0.00249	
2016/03	0.0425		0.0586		0.00227	
2016/08	0.0379		0.0531		0.00224	
2017/03	0.038		0.0519		0.00276	
2017/08	0.0428		0.0656		0.00264	
2017/11						
2018/03	0.0469		0.0694		0.00294	
2018/06						
2018/08	0.0413		0.0703		0.00297	
2018/09						
2018/11						
2019/03	0.0461		0.0534		0.00333	
2019/04						
2019/08	0.0454		0.0619		0.00499	
2020/03	0.0474		0.0714		0.00372	
2020/04						
2020/08	0.0477		0.0719		0.00732	
2021/03	0.0514					
2021/08	0.0351		0.0633		0.00383	
2022/03	0.0326					
2022/08	0.037		0.0745		0.00277	
2023/03	0.0399					
2023/08	0.0496		0.072		0.00315	
2024/03	0.0409					
2024/08	0.0503		0.0692		0.00945	
2025/03	0.0456					
2025/08	0.0369		0.0532		0.00455	
Aug. 2025 Sample	0.0369	0.0369	0.0532	0.0532	0.00455	0.00455
GWPS	0.01	0.01	0.01	0.01	0.0021	0.0021
Regression Sample Size	36	22	31	25	18	13
Regression Slope	0.000103	-0.000001	0.000062	-0.000021	0.000238	0.000203
Regression y-Intercept	-7.720408	-3.108963	-5.436259	-1.798014	-16.073995	-14.499511
Regression *p* -level	0.000	0.962	0.020	0.406	0.001	0.076
Estimated Date to Attain GWPS	No Attenuation	No Attenuation	No Attenuation	Jun-2261	No Attenuation	No Attenuation
Projected Year to Completion	No Attenuation	No Attenuation	No Attenuation	Jun-2264	No Attenuation	No Attenuation

Attachment 6

Effective Power and Site-Wide False Positive Rate Discussion

Effective Power and Site-Wide False Positive Rate

Statistical power refers to the ability of a test to identify real increases in concentration levels given they exist. The Unified Guidance defines the effective power as the "probability of detecting contamination in the monitoring network when one and only one well-constituent pair is contaminated." It further states that any statistical test procedure with effective power at least as high as the appropriate USEPA Reference Power Curve (ERPC) should be considered to have reasonable power.

The Unified Guidance gives the following criteria for comparing the effective power to the ERPC:

If the effective power first exceeds the ERPC at a mean concentration increase no greater than 3 background standard deviations, the power is labeled 'good;' if the effective power first exceeds the ERPC at a mean increase between 3 and 4 standard deviations, the power is considered 'acceptable;' and if the first exceedance of the ERPC does not occur until an increase greater than 4 standard deviations, the power is considered 'low.'

Effective power curves were developed with Sanitas for the 1-of-2 prediction limit plan, with power curves illustrated below. Based on the power curves, the parametric and non-parametric prediction limits have good power.

The Unified Guidance "strongly encourages use of a comprehensive design strategy to account for both the cumulative SWFPR and effective power to identify real exceedances." The Unified Guidance recommends and uses an annual SWFPR target of 10%. The current annual SWFPR based on the 1-of-2 prediction limit plan may be calculated using the basic subdivision principle discussed in Unified Guidance Sections 6.2.2, 19.2.1 and 19.4.

Currently, comparisons were made at 9 wells semiannually and 43 wells annually. Based on the Sanitas prediction limit output summarized in Attachment 2 of the Spring and Fall 2025 statistical evaluations, a total of 247 well/constituent pairs resulted for the upper bedrock, and 171 well/constituent pairs for the deeper bedrock, totaling 418 well/ constituent pairs annually for the site.

The cumulative annual SWFPR can be approximated directly from the α-levels reported in the Sanitas output as SWFPR $= 1 - \prod_{i=1}^{418}(1 - \alpha_i) = 0.219 \approx 22\%$. The current annual SWFPR is higher than the Unified Guidance target 10% false positive rate due to moving from a 1-of-3 to the 1-of-2 prediction plan starting with the Spring 2021 statistical evaluation and the relatively large number of downgradient comparisons with nonparametric prediction limits. Given the number of non-parametric prediction limit evaluations, a background sample size of approximately 80-90 is needed to reduce the SWFPR once again to the 10% target level.

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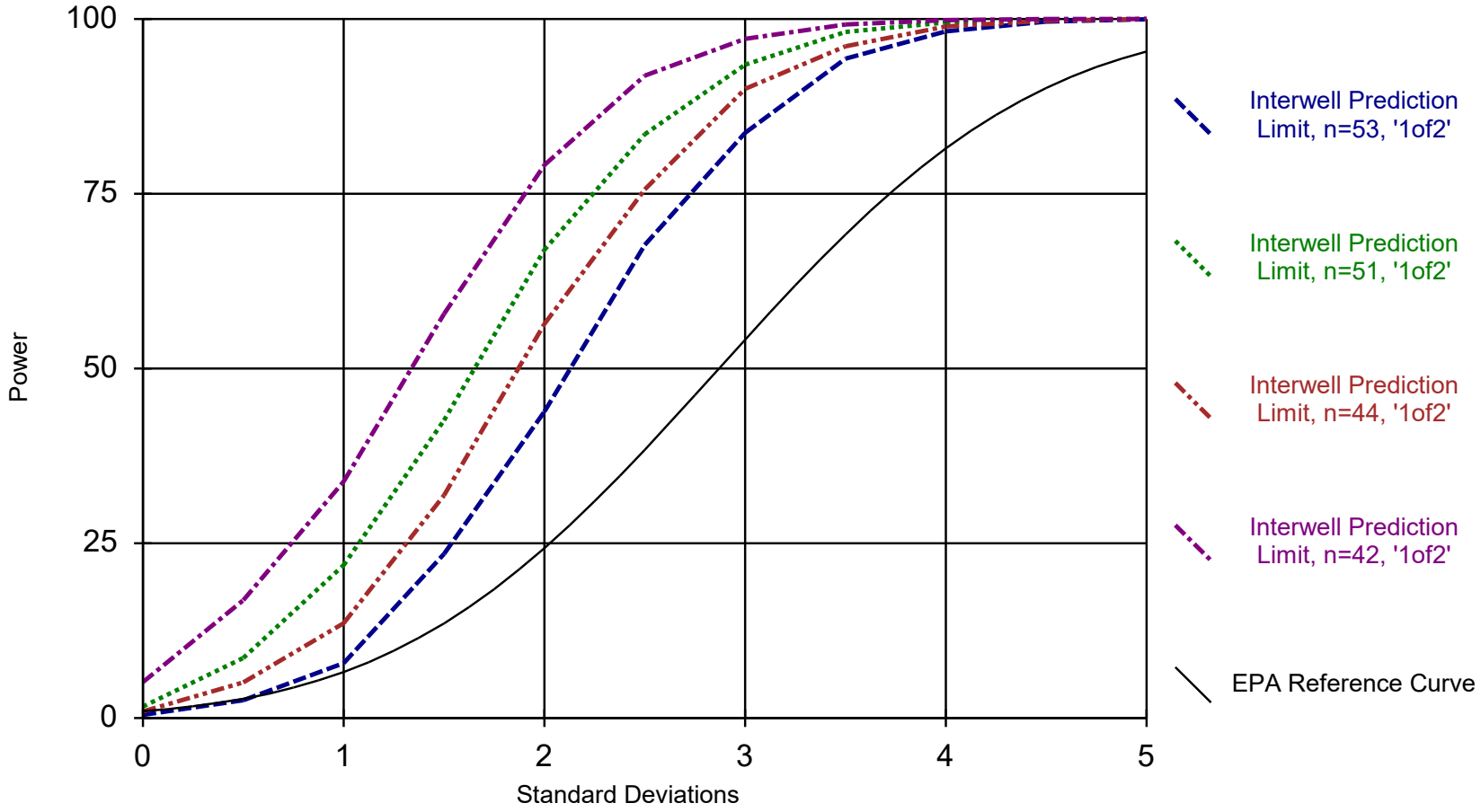
Parametric Power Curve



Analysis Run 10/23/2025 1:54 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

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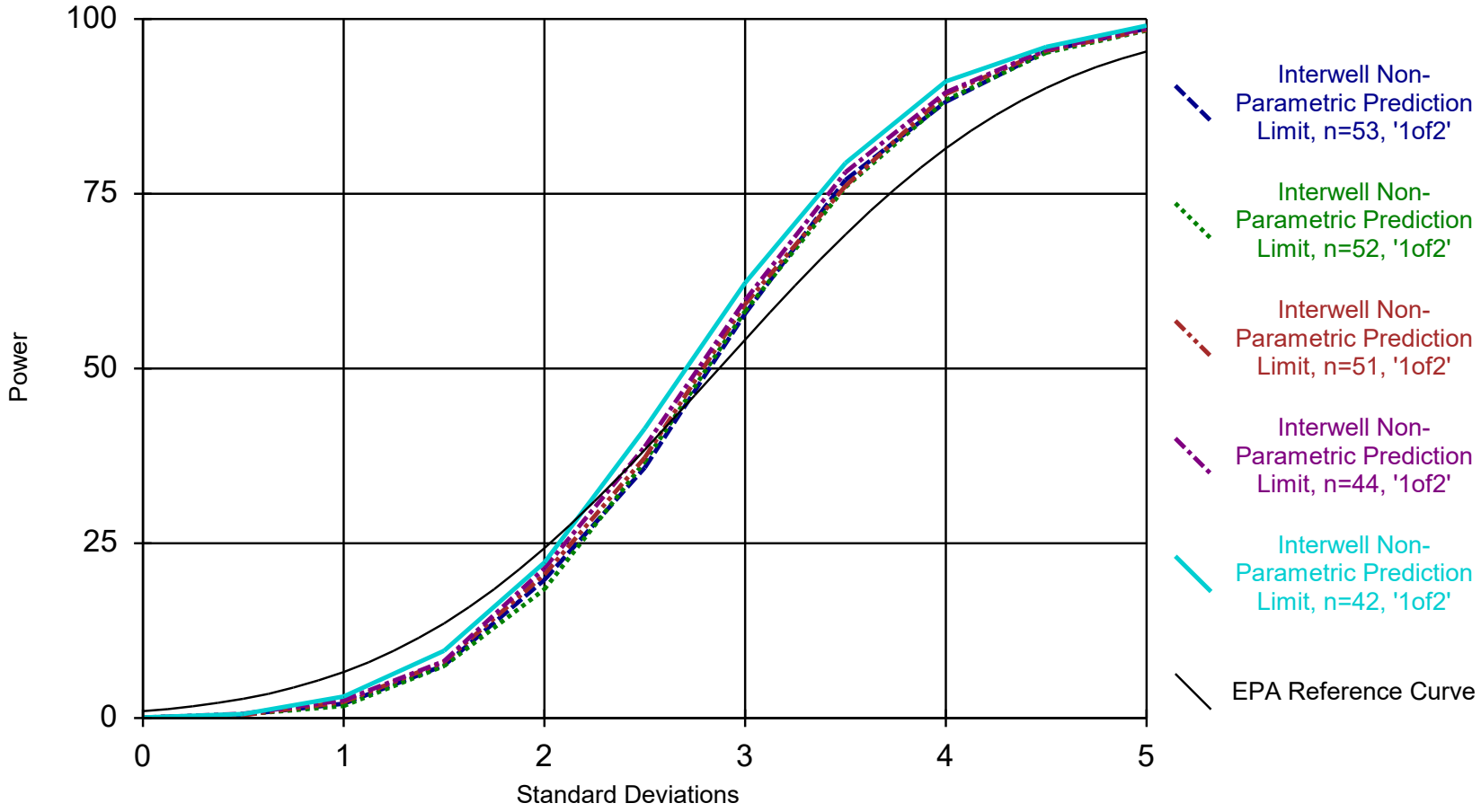
Non-Parametric Power Curve



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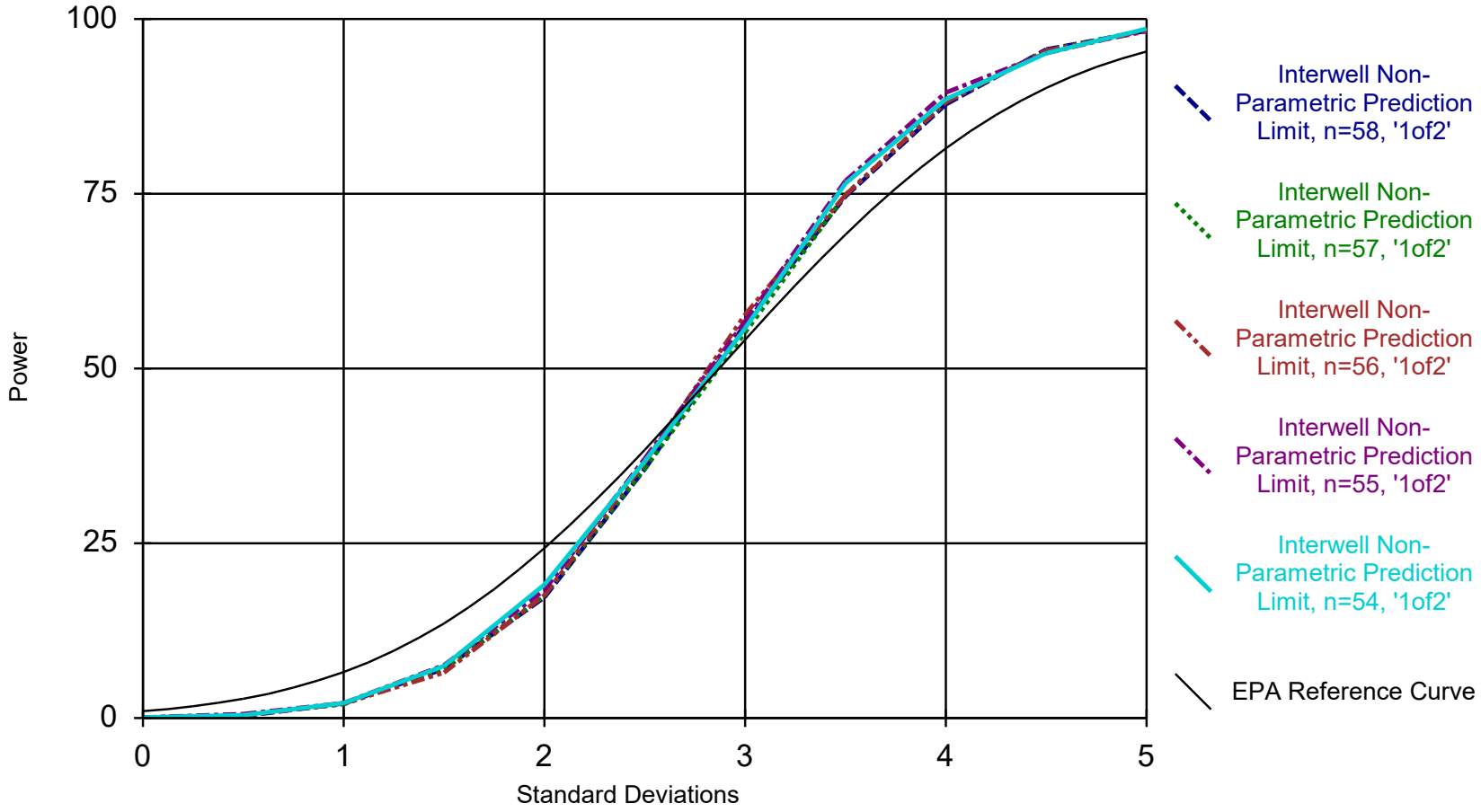
Non-Parametric Power Curve



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Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Spring 2025 Evaluation

Attachment 7

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Memorandum

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January 11, 2026

TO: Iowa Department of Natural Resources

FR: Hannah Dubbs; Gina Wilming

RE: Site 1 Statistical Analysis - Winter 2025 Evaluation

1 Memorandum Organization

This memo addresses the statistical analysis of the groundwater monitoring data collected in December 2025. The statistical methods and results are summarized, with the memo organization given as follows:

Page
1 Memorandum Organization 1
2 Background 1
3 Statistical Methodology 1
4 Comparison to Background Levels 2
4.1 Double Quantification Rule 2
5 Conclusions 2

Attachments

Attachment 1 Detailed Discussion of Statistical Methods
Attachment 2 Sanitas Report Output for Double Quantification Rule Evaluations
Attachment 3 References

2 Background

In December 2025, resamples were collected for m/p-cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18 since the well/constituent pairs were newly detected during the five-year resampling for the full Appendix II list conducted in August 2025. The analytical results for the resamples will be provided in Table 14 of the 2025 Annual Water Quality Report (AWQR).

Under the detection monitoring program of 567 IAC 113.10(5), Appendix I monitoring results are statistically compared to background levels as given in 567 IAC 113.10(6)e. Based on the August 2008 through December 2025 results, this memo presents an evaluation of statistically significant increases (SSIs) under the requirements of paragraphs 113.10(4)g and h of 567 IAC.

3 Statistical Methodology

The statistical method utilized for evaluating the resample result was consistent with the methods used in previous statistical evaluations. Detailed descriptions of the statistical

methods are provided in Attachment 1. Sanitas® v10.1 (Sanitas Technologies) software was utilized to complete the statistical comparison.

4 Comparison to Background Levels

4.1 Double Quantification Rule

The Double Quantification Rule (DQR) was used to evaluate SSIs over background for m/p-cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18. The DQR output is included in Attachment 2. The December 2025 resample results did not confirm the single DQR detections identified during the Fall 2025 statistical evaluation; therefore, SSIs were not declared for m/p-cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18. m/p-Cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18 will be added as detected Appendix II constituents during semiannual/annual assessment and corrective action monitoring events for the Appendix I and detected Appendix II constituents.

5 Conclusions

In December 2025, resamples were collected for m/p-cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18 since the well/constituent pairs were newly detected during the five-year resampling for the full Appendix II list conducted in August 2025. The methodology described in Attachment 1 was utilized to conduct the statistical evaluation for the resamples collected at MW-32, CRL-9, and MW-18. SSIs were not identified for m/p-cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18. m/p-Cresol in MW-32, o-toluidine and sulfide in CRL-9, and methoxychlor in MW-18 will be added as detected Appendix II constituents during semiannual/annual assessment and corrective action monitoring events for the Appendix I and detected Appendix II constituents. MW-32 will continue semiannual corrective action monitoring for the Appendix I and detected Appendix II constituents in Spring 2026. In accordance with Permit Amendment #16, annual monitoring for the Appendix I and detected Appendix II constituents will continue for assessment monitoring well MW-18 and corrective action monitoring well CRL-9 in Fall 2026.

Attachment 1
Detailed Discussion of Statistical Methods

Foth

Memorandum

Statistical Methodology

1. Comparison to Background

For determining which parameters will need a formal statistical treatment, the Unified Guidance (USEPA, 2009) suggests splitting monitoring parameters into three distinct groups: a) reliable indicators selected for formal testing; b) other analytes which are monitored for general groundwater quality information but not statistically tested; and c) those meeting the "never-detected" criteria. Only those parameters with some historically detected presence in background need to be included in the first group and treated with a formal statistical test. Any parameter that has never been detected in background is eligible for the third group of "never-detected" constituents. Constituents with detections below the reporting limit (J-flagged data) will be considered "never-detected." As a means of evaluating the third group, the Unified Guidance suggests the Double Quantification Rule (DQR). The DQR is stated in the Unified Guidance as:

"A confirmed exceedance is registered if any well-constituent pair in the '100% non-detect' group exhibits quantified measurements [i.e., at or above the reporting limit (RL)] in two consecutive sample and resample events."

The Unified Guidance also recommends establishing background sample sizes as large as feasible. The guidance recognizes that small sample sizes in background can be "particularly" troublesome, especially in controlling statistical test false positive and negative rates. With parametric tests (such as parametric prediction limits), the false positive rate may be controlled, but at the expense of statistical power. With non-parametric tests (such as non-parametric prediction limits or the "quasi-statistical" DQR), the false positive rate may be unacceptably high. The Unified Guidance suggests that generally at least 8 to 10 separate background measurements be available, recognizing that statistical power continues to increase with larger sample sizes.

In reports prior to the *2011 Annual Water Quality Report* (Foth, 2012), the ANOVA and a "2x2 contingency table" methods were used to evaluate statistically significant increases (SSIs) over background. These methods met the criteria of 567 Iowa Administrative Code (IAC) 113.10(4)g and h. The ANOVA and "2x2 contingency table" methods were used to maximize the statistical power while minimizing potentially large false positive rates as a result of the smaller sample sizes.

Starting with the *2011 Annual Water Quality Report* (Foth, 2012), the statistical analysis methods utilized for comparison to background were the DQR and "1-of-3" interwell prediction limits as recommended in the Unified Guidance (USEPA, 2009). Note that a "1-of-2" retesting plan was not selected as it would have resulted in a 'low' effective statistical power level for the site based on USEPA reference power curves as defined in the Unified Guidance.

Starting with the Spring 2021 statistical evaluation, the interwell prediction limit retesting plan was modified to a "1-of-2" plan. With increases in the number of background samples, a "1-of-2" plan was able to achieve a 'good' effective statistical power level for the site based on the USEPA reference power curves.

Expansion of the Background Data Set

The background data set was modified in 2013 to add MW-101A and MW-101B to the upper bedrock and deeper bedrock background data sets, respectively. The statistical analysis methods continued the DQR and "1-of-2" interwell prediction limits as recommended in the Unified Guidance (USEPA, 2009), utilizing the pooled data from MW-37 and MW-101A for the upper bedrock system and MW-38 and MW-101B for the deeper bedrock system.

Double Quantification Rule

The DQR will be used to evaluate SSIs over background for the Appendix I and II constituents that were not detected above the reporting limit in the background data sets. An SSI will be indicated for any well-constituent pair with quantified measurements at or above the reporting limit noted for two consecutive sample and resample events. If applicable, the resample will be collected prior to next semiannual sampling event.

Interwell Prediction Limits

Interwell prediction limits will be used to statistically evaluate SSIs over background for the Appendix I and II constituents which have been detected above the reporting limit in the background data set. A "1-of-2" retesting plan will be utilized on individual sample results. The 1-of-2 retesting plan as defined in the Unified Guidance concludes that an SSI has occurred when two out of two sample results exceed the prediction limit, while no SSI is concluded if 1-of-2 are below the limit. If applicable, the resample will be collected prior to next semiannual sampling event. The prediction limit for each constituent will be recalculated semiannually.

For interwell constituents with less than or equal to 50% detects in the background data set, a non-parametric prediction limit will be utilized. The non-parametric prediction limit will be taken as the maximum order statistic (maximum value) of the background data.

For interwell constituents with greater than 50% detects in the background data set, normality assumptions will be verified using the Shapiro-Wilk normality test. If the background data is not normally distributed, a non-parametric prediction limit will be utilized (as described in the paragraph above). If the background data is normally distributed or can be fit to a normal distribution utilizing a normalizing transformation, then a normal-based parametric prediction limit will be applied.

When considering a lognormal prediction limit, a comparison will be made to the maximum order statistic for the background data set. Lognormal prediction limits can be sensitive to smaller departures from lognormality. That is, if data are not truly lognormal, but also not rejected as lognormal, the prediction limit may be inflated because of the transformation. In choosing a lognormal limit, in addition to the percent detections and lognormal goodness of fit criteria, an additional convention will be applied. If the lognormal limit exceeds the level of twice the maximum background concentration, it is assumed that the lognormal model does not adequately fit the background distribution and a non-parametric prediction limit will be selected.

For interwell constituents with 50% to 85% detects in the background data set, Kaplan-Meier estimation will be applied to manage statistical bias introduced by non-detects. For interwell constituents with over 85% detects in the background data set, half the reporting limit will be used for non-detect data. These estimation methods follow Unified Guidance recommendations and are given in detail in Unified Guidance Chapter 15 (USEPA, 2009).

The parametric prediction limit will be calculated as:

$$PL = \bar{x} + k \cdot s$$

where $\bar{x}$ is the sample mean of the August 2008 through current event background data, *s* is the sample standard deviation, and *k* is the multiplier obtained from the Unified Guidance Table 19-1 (USEPA, 2009) for 1-of-2 interwell prediction limits on observations. In determining *k*, the number of constituents of concern (COCs) for formal statistical evaluation along with the number of downgradient wells need to be identified. Per the basic subdivision discussion presented in Section 19.2.1 of the Unified Guidance, along with the discussion regarding the use of the appendix tables for parametric retesting plans given on pages 19-13 through 19-15 of the Unified Guidance (USEPA, 2009), the *k*-multiplier is chosen based on the number of constituents, wells, and evaluations performed annually. When an exact well and COC configuration is not given in the appendix tables, the *k*-multiplier is linearly interpolated as described on page 19-14 of the Unified Guidance (USEPA, 2009).

Sanitas® v10.1 software (Sanitas Technologies) will be used to check distributional assumptions, perform Kaplan-Meier in the case of 50% to 85% detects in the background data set, and calculate the *k*-multipliers and subsequent prediction limits.

Intrawell Prediction Limits

Intrawell prediction limits are calculated in a similar manner to that described above for the interwell case. A main difference between the two methods is the intrawell limit is calculated from a collection of background measurements within the compliance well. A minimum of eight compliance well background samples will be used when calculating the limit.

A second difference is for the parametric prediction limit, in which the *k*-multiplier is modified from the interwell case, as given in Appendix D Tables 19-10 through 19-18 of the Unified Guidance (USEPA, 2009).

Updating intrawell background is performed periodically. The Unified Guidance (Section 5.3.2) recommends that 4 to 8 new compliance observations be collected prior to updating the background dataset. The guidance also states that "a potential update is predicated on there being no statistically significant increase [SSI] recorded for that well constituent, including since the last update." A two-sample t-test or Wilcoxon rank-sum test between existing intrawell background data and the potential set of newer background data is performed, and a non-significant result (α = 0.05) implies that the newer compliance data can be re-classified as background measurements.

For Wilcoxon rank-sum tests, non-detect results cannot be ranked with certainty and the problem is compounded with multiple PQLs and/or J-flagged values (USEPA, 2009). In comparisons where a substantial fraction of non-detect and/or J-flagged measurements or changing PQLs occur, professional judgment will be utilized for evaluating significant differences between the existing intrawell background data and the potential newer set of background data. Consideration will be given to whether significant differences are due to artificial variation introduced by censored data.

2. Comparison to Groundwater Protection Standard – Assessment Monitoring

According to 567 IAC 113.10(6)f and g, under the assessment monitoring program Appendix II results which have been determined to be statistically above background are also statistically compared to the GWPS. If "Appendix II constituents are detected at statistically significant levels above the GWPS" a notice is placed in the operating record and characterization is begun.

Under 567 IAC 113.10(6)h, the GWPS is the maximum contaminant level (MCL) promulgated under Section 1412 of the Safe Drinking Water Act in 40 Code of Federal Regulations (CFR) Part 141. If no MCL exists, or if background concentrations are higher than the MCL, the GWPS is defined as background. Also, per 567 IAC 113.10(6)i, an alternative GWPS may be established by the department for constituents for which there is no MCL such as the "health-based concentrations that comply with the statewide standards for groundwater established pursuant to 567 IAC Chapter 137."

When the GWPS is background concentrations, the statistical methods discussed in the above "1. Comparison to Background" are used. When the GWPS is the MCL or an alternative health-based concentration, per the Unified Guidance (USEPA, 2009), "confidence intervals are the recommended general statistical strategy in compliance/assessment or corrective action monitoring." In the case of normally distributed data, a normal-based parametric confidence interval is used. If the data are not normally distributed a non-parametric confidence interval on the median is used. A lower 99% confidence limit falling above the GWPS implies that concentrations are detected at statistically significant levels above the GWPS with an α-level of 0.01, which is the minimum RCRA regulatory limit from §264.97(i)(2) for an individual test false positive error rate.

The Unified Guidance recognizes that statistical power is also of prime concern to USEPA and that there "should be a high probability that the statistical test will positively identify concentrations that have exceeded a fixed regulatory standard." In compliance/assessment monitoring, instead of pre-specifying the false positive rate prior to computing confidence interval limits, the Unified Guidance suggests the desired level of power (1-β) should be set as an initial target.

For compliance/assessment monitoring purposes, the Unified Guidance (Chapter 22) suggests evaluating increases in the true concentration mean of 1.5 and 2.0 times a fixed standard. (This is similar in concept to the critical power targets in detection monitoring, i.e., 55-60% power at 3σ above background and 80-85% power at 4σ over background). As a general guide, the Unified Guidance suggests there should be at least 70-80% statistical power for detecting increases of 2 times a fixed standard. Specifically, the Unified Guidance recommends there be 50% power of detecting increases in the true concentration mean of 1.5 times a fixed standard (risk ratio of 1.5) and 80% power of detecting increases in the true concentration mean of 2.0 times a fixed standard (risk ratio of 2.0).

To meet these levels of statistical power, α is chosen based on either Unified Guidance Equation 22.1:

$$1 - \beta = G_{T,n-1}\left(t_{1-\alpha,n-1}\middle|\Delta - \sqrt{n}(R-1)\right);$$

where R is the desired risk ratio, $t_{(1-\alpha,n-1)}$ is the (1−α) Student's t-quantile with (n−1) degrees of freedom and G represents the cumulative non-central t-distribution with (n−1) degrees of freedom and noncentrality parameter Δ;

or Unified Guidance Equation 22.2:

$$\alpha \sim 1 - F_{T,n-1}\left(\frac{(R-1)\sqrt{n}}{R \cdot \widehat{CV}} - t_{1-\beta,n-1}\right);$$

where R is the desired risk ratio, n is the sample size, CV is the estimated sample coefficient of variation, $t_{(1-\beta,n-1)}$ is the (1−β) Student's t-quantile with (n−1) degrees of freedom, and F is the cumulative (central) Student's t-distribution function.

The first equation (Unified Guidance Equation 22.1) assumes a coefficient of variation (CV) =1. This version is used if only poorer estimates of the true CV are available. In practice, a convention has been adopted with the statistical updates to utilize Unified Guidance Equation 22.2 in all cases where a parametric confidence interval is calculated and use Unified Guidance Equation 22.1 when non-parametric confidence intervals are calculated. Since a non-parametric confidence interval is based on the median, it is not as sensitive to departures from normality, and the assumption of a CV=1 in Unified Guidance Equation 22.1 should provide a conservative estimate.

Since 0.01 is the minimum RCRA regulatory limit for α, it is never set lower than this. Conversely, the Unified Guidance recognizes the "difficulty of simultaneously attaining the recommended level of power while controlling the false positive rate, especially for small sample sizes and highly variable data." The Unified Guidance suggests a maximum false positive rate of α=0.2 is a reasonable upper bound.

Finally, like the need for defining a SWFPR under detection monitoring, the Unified Guidance (Chapter 7) recognizes there may be concern about the "use of relatively high individual test-wise false positive rates (α) in order to meet a pre-specified power, especially when considering the cumulative false positive error rate across multiple wells and/or constituents." However, "the Unified Guidance considers computation of cumulative SWFPRs in compliance/assessment testing to be problematic, and reliance on individual test false positive rates preferable." Notwithstanding, if several confidence limit calculations are compared to the GWPS with high α-levels, caution should be taken in the interpretation.

For calculation of confidence intervals, Sanitas® v10.1 software is again used to check distributional assumptions, perform Kaplan-Meier estimation in the case of 50% to 85% detects, and calculate either parametric or nonparametric confidence limits.

3. Comparison to Groundwater Protection Standard – Corrective Action Monitoring

As stated above, if "Appendix II constituents are detected at statistically significant levels above the GWPS" a notice is placed in the operating record and characterization is begun. Owners or operators are required to initiate an assessment of corrective measures, select a remedy, and implement a remedy in accordance with 567 IAC 113.10(7), (8), and (9). For remedy completion in accordance with 567 IAC 113.10(9)e(2), compliance with the GWPS is considered achieved by demonstrating that concentrations of Appendix II constituents have not exceeded the GWPS

for a period of three consecutive years or an alternate length of time established by the Department.

Starting with the Fall 2019 statistical evaluation, individual analyte/well pairs may return to assessment constituents (at the corrective action monitoring location) once compliance with the GWPS has been achieved for a period of 3 years. Note that monitoring wells will not move out of the corrective action monitoring program until all Appendix II constituents have achieved compliance with the GWPS for a period of three consecutive years.

Confidence Intervals in Corrective Action Mode

In the case of the GWPS being a fixed standard as either the 40 CFR Part 141 Safe Drinking Water Act MCL or the 567 IAC Chapter 137 Statewide Standard for a Protected Groundwater Source, "confidence intervals are the recommended general statistical strategy in compliance/assessment or corrective action monitoring" (USEPA, 2009). However, a primary difference between confidence intervals as used under assessment monitoring and confidence intervals used under corrective action is reversal of the null hypothesis. As detailed in Section 7.2 of the Unified Guidance (USEPA, 2009), the hypothesis testing structure under assessment monitoring is to presume compliance point concentrations do not to exceed the fixed standard unless sampling data indicates otherwise. As a formal statistical hypothesis, this is written as:

$$H_0: \Theta \leq G \quad \text{vs.} \quad H_A: \Theta > G$$

In corrective action mode, the hypothesis is reversed. Namely, compliance point concentrations are presumed to exceed the fixed standard and evidence must be presented to demonstrate regulatory compliance. In the case of corrective action, the statistical hypothesis is written as:

$$H_0: \Theta > G \quad \text{vs.} \quad H_A: \Theta \leq G$$

For testing under assessment monitoring, a lower confidence limit (LCL) is compared to the compliance standard *G*. If the LCL is larger than the standard *G*, it is concluded that the compliance standard has been violated.

However, under corrective action monitoring, the upper confidence limit (UCL) is compared to the compliance standard G. In this case, the UCL should lie below the standard to accept the alternative hypothesis that concentration levels are in compliance.

The UCL α-level under corrective action monitoring is set so that a high degree of confidence is achieved in declaring successful remediation. Per the Unified Guidance (Section 7.4.2) "USEPA's overriding concern in corrective action is that remediation efforts are not declared successful without sufficient statistical proof." The Unified Guidance "recommends the use of a reasonably low, fixed test-wide false positive rate (e.g., α = 0.05 or 0.10)." In this case, α = 0.10 corresponds to a 90% UCL.

GWPS as Background

Pursuant to 567 IAC 113.10(6)h, when background concentrations of an analyte exceed the applicable MCL or 567 IAC Statewide Standard for a Protected Groundwater Source, the GWPS is the background concentration. In this case, the GWPS is not a fixed standard but based on a distribution of background sample results.

Section 7.5 of the Unified Guidance (USEPA, 2009) details statistical hypothesis testing under corrective action when the GWPS is background. The Unified Guidance offers two alternative statistical approaches to hypothesis testing in this case. These alternatives are as follows:

A. The first represents a *two-sample* test of two distinct populations, namely the compliance well to background populations. Similar to the statistical tests used under detection and assessment monitoring, with this alternative under corrective action, the Unified Guidance states that "one highly recommended statistical test approach is a prediction limit." The Unified Guidance also states, "whatever the critical value for a selected background test, it becomes the GWPS under compliance/assessment or corrective action monitoring." Further, "the only allowable hypothesis test structure for the two-sample approach follows that of detection and compliance monitoring. Once exceeded and in corrective action, a return to compliance is through evidence that future samples lie below the GWPS using the same hypothesis structure." Therefore, with this approach in corrective action, prediction limits are calculated similarly as in assessment monitoring. Compliance well concentrations below a prediction limit indicate a return to concentrations below the background GWPS.

B. The second involves computation of a fixed statistic from the background data as the GWPS. The Unified Guidance recommendation in this case is to define a fixed GWPS based on a background upper tolerance limit with 95% confidence and 95% coverage. This is designed to be a "reasonable maximum on the likely range of background concentrations." This upper tolerance limit based on background data is then used as a fixed standard in statistical comparisons with 90% or 95% UCLs from compliance wells as discussed previously. Also, with the UCL method, the null hypothesis is reversed from that of assessment monitoring, assuming contamination is above the GWPS. A UCL falling below the background GWPS offers evidence of a return to concentrations below the GWPS. The Unified Guidance refers to this approach as a *single-sample* testing method, since the compliance well population is tested against a defined fixed standard.

The Unified Guidance discusses tradeoffs between the two approaches and does not necessarily prescribe either approach over the other. The Unified Guidance suggests that both approaches may be used, where "the background GWPS would be a range based on the two testing methods rather than a single value."

Normality

For calculation of confidence intervals, Sanitas® v10.1 software is again used to check distributional assumptions, perform Kaplan-Meier estimation in the case of 50% to 85% detects, and calculate either parametric or nonparametric confidence limits. "Corrective Action Mode" is selected for this analysis.

Non-Corrective Action Constituents

As recommended in the Unified Guidance (USEPA, 2009), confidence intervals in corrective action mode will be utilized to evaluate only constituents and monitoring locations with previously identified SSLs over the GWPS. Other compliance constituents (i.e., those without SSLs over the GWPS during prior statistical evaluations) will continue to be evaluated using the "1. Comparison to Background" and "2. Comparison to Groundwater Protection Standard – Assessment Monitoring" methods described above.

Note: The Unified Guidance (USEPA, 2009) states: “it should be recognized that once corrective action or remediation activities are initiated, there will be a considerable time during which the GWPS may still be exceeded. As provided in the RCRA regulations, it is at the conclusion of remediation activities that formal corrective action monitoring evaluation is appropriate. However, in the intervening period of remedial activity, well constituents can still be monitored, and the relative efficacy of remediation measures tracked. The same corrective action hypothesis can be assumed for the targeted constituents; techniques such as trend testing may be appropriate interim applications.” Given the statement above and the intentions of 567 IAC 113.10(6)g, as soon as an SSL is identified for an assessment monitoring constituent/location, then the next statistical evaluation will utilize corrective action monitoring (confidence intervals in corrective action mode).

Data Concentration Shifts During Corrective Action

Confidence intervals assume that the population is stable over time. As a result, confidence intervals may not accurately represent the current well concentrations if increasing or decreasing trends are observed (i.e., during a release or under active remediation). Per the Unified Guidance (USEPA, 2009), lower or upper confidence limits constructed on accumulated data may be overly wide (due to high sample variability caused by combining pre- and post-shift data) and may not be reflective of more recent upward/downward shifts in the contaminant distribution.

Alternative procedures may be applied to data sets with shifting distributions. For example, where trends tests are significant, pre-shift data may be removed from the well/parameter data set for the purposes of constructing the confidence interval. “The reduction in sample size will often be more than offset by the gain in statistical power. More recent measurements may exhibit less variation around the shifted mean value, resulting in a shorter confidence interval” (USEPA, 2009).

Another alternative is to construct confidence bands around the trend line to track progress towards exceeding or meeting a fixed standard. As suggested in the Unified Guidance (Chapter 22), if a trend is present, a 90% confidence band (upper 95% confidence limit) is placed on the linear trend line. If the upper 95% confidence limit on the trend line falls below the GWPS, the well is found to have reduced to levels statistically below the GWPS.

As the discussed in the Unified Guidance, “inferences concerning a linear regression are generally appropriate when two conditions hold: 1) the residuals from the regression are approximately normal or at least reasonably symmetric in distribution; and 2) a plot of residuals versus concentrations indicates a scatter cloud of essentially uniform vertical thickness or width.” These conditions are assessed through normal probability plots of the regression residuals and plots of residuals against the predicted concentrations.

Data Adjustments Due to Exiting Corrective Action

When analyte/well pairs exit corrective action and return to assessment constituents, the hypothesis testing structure is reversed again. In corrective action mode, compliance point concentrations were presumed to exceed the GWPS, and evidence must be presented to demonstrated regulatory compliance (i.e., UCLs below the GWPS for three consecutive years). With the return to assessment constituents, analyte/well pairs have demonstrated regulatory compliance. The hypothesis testing structure reverts to the assessment monitoring structure where compliance point concentrations are presumed to not exceed the GWPS unless sampling

data indicates otherwise (i.e., LCL is above the GWPS). With this reversion in hypothesis, the focus shifts to evaluating concentration changes in the analyte/well pair that would indicate an increase over the GWPS and re-trigger corrective action. For constituents with historical SSLs, earlier concentrations that had previously triggered corrective action are no longer providing useful information regarding the current assessment monitoring hypothesis. Retaining the historical data during the timeframe in which the GWPS was exceeded will result in the regression or confidence interval methods being slower to respond to new increases. As a result, the historical data prior to when statistical compliance with the GWPS was first achieved will be removed when analyte/well pairs exit corrective action and return to assessment constituents.

Attachment 2

Sanitas Report Output for Double Quantification Rule Evaluations

Sanitas™ v.10.1.03a Software licensed to Foth Infrastructure & Environment, LLC. UG

Data Screening - Corrective Action Monitoring

Analysis Run 1/11/2026 7:29 PM

Linn County SWAL Client: Foth Data: Site 1 Upper Bedrock - Winter 2025 Evaluation

A listing of detects for 1 constituent in MW-32 (d) on 12/2/2025:

-none-

Attachment 3

References

References

Foth Infrastructure and Environment (Foth), 2012. *2011 Annual Water Quality Report, Cedar Rapids/Linn County Solid Waste Agency Site No.1, IDNR Permit No. 57-SDP-03-75C, Project ID: 11C050.00*. December 29. [Doc. #68145].

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

Appendix C
Leachate Sample Analytical Results

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Gina Wilming
Foth Infrastructure & Environment, LLC
411 6th Avenue SE
Suite 400
Cedar Rapids, Iowa 52401

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JOB DESCRIPTION

CRLCSWA 1 - Leachate

JOB NUMBER

310-320370-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

myEOL

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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Job ID: 310-320370-1 Eurofins Cedar Falls

Job Narrative
310-320370-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The sample was received on 11/12/2025 4:30 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 310-473627 recovered above the upper control limit for Bromomethane (56%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-473627/4).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-473791 recovered above the upper control limit for Dichlorodifluoromethane (22%D) and Bromomethane (63%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-473791/4).

Method 8260D: The laboratory control sample (LCS) for analytical batch 310-473791 recovered outside control limits for the following analytes: Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: The continuing calibration verification (CCV) associated with batch 310-473905 recovered above the upper control limit for 2-Nitrophenol(23%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-473905/3).

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-474293 recovered above the upper control limit for Benzo(k)fluoranthene(25%D) and Hexachloropropene(22%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-474293/3).

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 310-474293 was outside the method criteria for the following analyte(s): Bis(2-ethylhexyl) phthalate(-24%D) and p-Dimethylamino azobenzene(-23%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 310-473723 and analytical batch 310-474293 recovered outside control limits for the following analyte(s): Methapyrilene and 1,4-phenylenediamine. Methapyrilene and 1,4-phenylenediamine have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The laboratory control sample (LCS) for preparation batch 310-473723 and analytical batch 310-474293 recovered outside acceptance limits for Pyridine. There was insufficient sample and holding-time to perform a re-extraction or re-analysis; therefore, the data have been reported.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-473723 and analytical batch 310-474293 recovered outside control limits for the following analytes: 3,3'-

Dimethylbenzidine, Methapyrilene, 4-Nitrophenol, Phenol, 1,4-phenylenediamine and Pyridine.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Herbicides
Method 8151A: The following sample was diluted due to the nature of the sample matrix: CRLCSWA1_Leachate_25_11 (310-320370-1). Elevated reporting limits (RLs) are provided.

Method 8151A: The continuing calibration verification (CCV) associated with batch 500-843799 recovered above the upper control limit for Silvex (2,4,5-TP). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 500-843799/20).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6020B: The laboratory control sample (LCS) for preparation batch 310-473632 and analytical batch 310-474577 recovered outside control limits for the following analytes: Silver. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 3500_CR_B - Dissolved: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for Analytical Batch 473496 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Foth Infrastructure & Environment, LLC
Project/Site: CRLCSWA 1 - Leachate

Job ID: 310-320370-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-320370-1	CRLCSWA1_Leachate_25_11	Wastewater	11/12/25 11:30	11/12/25 16:30	Iowa

Detection Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-320370-1
Project/Site: CRLCSWA 1 - Leachate

Client Sample ID: CRLCSWA1_Leachate_25_11
Lab Sample ID: 310-320370-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.460	J	1.00	0.420	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	0.438	J	1.00	0.370	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	6.07		1.00	0.490	ug/L	1		8260D	Total/NA
Benzene	2.08		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	3.19		1.00	0.350	ug/L	1		8260D	Total/NA
Toluene	0.551	J	1.00	0.430	ug/L	1		8260D	Total/NA
Xylenes, Total	7.84		3.00	1.10	ug/L	1		8260D	Total/NA
Arsenic	0.00442		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.780		0.00200	0.000660	mg/L	1		6020B	Total/NA
Chromium	0.0141		0.00500	0.00180	mg/L	1		6020B	Total/NA
Iron	0.908		0.100	0.0500	mg/L	1		6020B	Total/NA
Magnesium	227		2.00	0.600	mg/L	4		6020B	Total/NA
Nickel	0.0397		0.00500	0.00230	mg/L	1		6020B	Total/NA
Potassium	329		2.00	0.680	mg/L	4		6020B	Total/NA
Total Volatile Solids	1510		250	250	mg/L	1		2540E	Total/NA
Fixed Solids	3880		250	250	mg/L	1		2540E	Total/NA
Ammonia as N	282		50.0	12.0	mg/L	100		350.1	Total/NA
Total Kjeldahl Nitrogen	404	B	50.0	31.0	mg/L	10		351.2	Total/NA
Total Phosphorus as P	1.86		0.100	0.0680	mg/L	1		365.1	Total/NA
Phosphorus as PO4	5.69		0.310	0.210	mg/L	1		365.1	Total/NA
pH	7.16	HF	1.00	1.00	SU	1		9040C	Total/NA
Total Suspended Solids	5.00		5.00	3.50	mg/L	1		I-3765-85	Total/NA
Total Solids	5390		250	225	mg/L	1		SM 2540B	Total/NA
Total Dissolved Solids	4620		250	180	mg/L	1		SM 2540C	Total/NA
Chloride	1110		200	140	mg/L	100		SM 4500 Cl- E	Total/NA
Carbonaceous Biochemical Oxygen Demand	9.31		3.00	3.00	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	689		250	230	mg/L	50		SM 5220D	Total/NA
Orthophosphate as P	1.66		0.100	0.0300	mg/L	1		365.1	Dissolved

This Detection Summary does not include radiochemical test results.

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-320370-1
Project/Site: CRLCSWA 1 - Leachate

Client Sample ID: CRLCSWA1_Leachate_25_11
Lab Sample ID: 310-320370-1
Date Collected: 11/12/25 11:30
Matrix: Wastewater
Date Received: 11/12/25 16:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			11/15/25 09:11	1
1,1,1-Trichloroethane	<0.420		1.00	0.420	ug/L			11/15/25 09:11	1
1,1,2,2-Tetrachloroethane	<0.350		1.00	0.350	ug/L			11/15/25 09:11	1
1,1,2-Trichloroethane	<0.330		1.00	0.330	ug/L			11/15/25 09:11	1
1,1-Dichloroethane	<0.400		1.00	0.400	ug/L			11/15/25 09:11	1
1,1-Dichloroethene	<0.460		2.00	0.460	ug/L			11/15/25 09:11	1
1,1-Dichloropropene	<0.410		1.00	0.410	ug/L			11/15/25 09:11	1
1,2,3-Trichlorobenzene	<1.80		5.00	1.80	ug/L			11/15/25 09:11	1
1,2,3-Trichloropropane	<0.430		1.00	0.430	ug/L			11/15/25 09:11	1
1,2,4-Trichlorobenzene	<1.90		5.00	1.90	ug/L			11/15/25 09:11	1
1,2,4-Trimethylbenzene	**0.460**	**J**	1.00	0.420	ug/L			11/17/25 15:33	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			11/15/25 09:11	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			11/15/25 09:11	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			11/15/25 09:11	1
1,2-Dichloroethane	<0.890		1.00	0.890	ug/L			11/15/25 09:11	1
1,2-Dichloropropane	<0.380		1.00	0.380	ug/L			11/15/25 09:11	1
1,3,5-Trimethylbenzene	**0.438**	**J**	1.00	0.370	ug/L			11/17/25 15:33	1
1,3-Dichlorobenzene	<0.470		1.00	0.470	ug/L			11/15/25 09:11	1
1,3-Dichloropropane	<0.390		1.00	0.390	ug/L			11/15/25 09:11	1
1,4-Dichlorobenzene	**6.07**		1.00	0.490	ug/L			11/17/25 15:33	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			11/15/25 09:11	1
2-Butanone (MEK)	<3.40		10.0	3.40	ug/L			11/15/25 09:11	1
2-Chloroethyl vinyl ether	<0.800		2.00	0.800	ug/L			11/15/25 09:11	1
2-Chlorotoluene	<0.470		1.00	0.470	ug/L			11/15/25 09:11	1
4-Chlorotoluene	<0.290		1.00	0.290	ug/L			11/15/25 09:11	1
Acetone	<3.80		10.0	3.80	ug/L			11/15/25 09:11	1
Benzene	**2.08**		0.500	0.220	ug/L			11/17/25 15:33	1
Bromobenzene	<0.490		1.00	0.490	ug/L			11/15/25 09:11	1
Bromochloromethane	<1.70		5.00	1.70	ug/L			11/15/25 09:11	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			11/15/25 09:11	1
Bromoform	<2.60		5.00	2.60	ug/L			11/15/25 09:11	1
Bromomethane	<1.10		4.00	1.10	ug/L			11/15/25 09:11	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			11/15/25 09:11	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			11/15/25 09:11	1
Chlorobenzene	**3.19**		1.00	0.350	ug/L			11/17/25 15:33	1
Chlorodibromomethane	<1.50		5.00	1.50	ug/L			11/15/25 09:11	1
Chloroethane	<0.900		4.00	0.900	ug/L			11/15/25 09:11	1
Chloroform	<1.30		3.00	1.30	ug/L			11/15/25 09:11	1
Chloromethane	<0.610		3.00	0.610	ug/L			11/15/25 09:11	1
cis-1,2-Dichloroethene	<0.550		1.00	0.550	ug/L			11/15/25 09:11	1
cis-1,3-Dichloropropene	<1.20		5.00	1.20	ug/L			11/15/25 09:11	1
Dibromomethane	<0.330		1.00	0.330	ug/L			11/15/25 09:11	1
Dichlorodifluoromethane	<0.850		3.00	0.850	ug/L			11/15/25 09:11	1
Ethylbenzene	<0.420		1.00	0.420	ug/L			11/17/25 15:33	1
Hexachlorobutadiene	<1.40		5.00	1.40	ug/L			11/15/25 09:11	1
Hexane	<0.780		1.00	0.780	ug/L			11/15/25 09:11	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			11/15/25 09:11	1
Methyl tert-butyl ether	<0.300		1.00	0.300	ug/L			11/15/25 09:11	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			11/15/25 09:11	1

Client Sample ID: CRLCSWA1_Leachate_25_11
Lab Sample ID: 310-320370-1
Date Collected: 11/12/25 11:30
Matrix: Wastewater
Date Received: 11/12/25 16:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<1.80		5.00	1.80	ug/L			11/17/25 15:33	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			11/15/25 09:11	1
N-Propylbenzene	<0.390		1.00	0.390	ug/L			11/15/25 09:11	1
p-Isopropyltoluene	<0.330		1.00	0.330	ug/L			11/15/25 09:11	1
sec-Butylbenzene	<0.440		1.00	0.440	ug/L			11/15/25 09:11	1
Styrene	<0.370		1.00	0.370	ug/L			11/15/25 09:11	1
tert-Butylbenzene	<0.380		1.00	0.380	ug/L			11/15/25 09:11	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			11/15/25 09:11	1
Toluene	**0.551**	**J**	1.00	0.430	ug/L			11/17/25 15:33	1
trans-1,2-Dichloroethene	<0.410		1.00	0.410	ug/L			11/15/25 09:11	1
trans-1,3-Dichloropropene	<2.30		5.00	2.30	ug/L			11/15/25 09:11	1
Trichloroethene	<0.350		1.00	0.350	ug/L			11/15/25 09:11	1
Trichlorofluoromethane	<0.470		4.00	0.470	ug/L			11/15/25 09:11	1
Vinyl chloride	<0.430		1.00	0.430	ug/L			11/15/25 09:11	1
Xylenes, Total	**7.84**		3.00	1.10	ug/L			11/17/25 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*76 - 130*		*11/15/25 09:11*	*1*
Dibromofluoromethane (Surr)	*100*		*76 - 130*		*11/17/25 15:33*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*11/15/25 09:11*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/17/25 15:33*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*11/15/25 09:11*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*11/17/25 15:33*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.653		10.2	0.653	ug/L		11/17/25 07:50	11/18/25 21:39	1
Acenaphthylene	<0.735		10.2	0.735	ug/L		11/17/25 07:50	11/18/25 21:39	1
Acetophenone	<0.704		10.2	0.704	ug/L		11/17/25 07:50	11/18/25 21:39	1
2-Acetylaminofluorene	<2.76		10.2	2.76	ug/L		11/17/25 07:50	11/20/25 23:12	1
4-Aminobiphenyl	<2.24		10.2	2.24	ug/L		11/17/25 07:50	11/20/25 23:12	1
Anthracene	<0.888		10.2	0.888	ug/L		11/17/25 07:50	11/18/25 21:39	1
Benzo[a]anthracene	<0.867		10.2	0.867	ug/L		11/17/25 07:50	11/18/25 21:39	1
Benzo[a]pyrene	<8.27		10.2	8.27	ug/L		11/17/25 07:50	11/18/25 21:39	1
Benzo[b]fluoranthene	<5.00		10.2	5.00	ug/L		11/17/25 07:50	11/18/25 21:39	1
Benzo[g,h,i]perylene	<6.43		10.2	6.43	ug/L		11/17/25 07:50	11/18/25 21:39	1
Benzoic acid	<17.3		102	17.3	ug/L		11/17/25 07:50	11/18/25 21:39	1
Benzo[k]fluoranthene	<2.24		10.2	2.24	ug/L		11/17/25 07:50	11/18/25 21:39	1
Benzyl alcohol	<1.33		10.2	1.33	ug/L		11/17/25 07:50	11/18/25 21:39	1
Bis(2-chloroethoxy)methane	<0.776		10.2	0.776	ug/L		11/17/25 07:50	11/18/25 21:39	1
Bis(2-chloroethyl)ether	<0.837		10.2	0.837	ug/L		11/17/25 07:50	11/18/25 21:39	1
bis (2-chloroisopropyl) ether	<0.551		10.2	0.551	ug/L		11/17/25 07:50	11/18/25 21:39	1
Bis(2-ethylhexyl) phthalate	<5.61		10.2	5.61	ug/L		11/17/25 07:50	11/18/25 21:39	1
4-Bromophenyl phenyl ether	<0.714		10.2	0.714	ug/L		11/17/25 07:50	11/18/25 21:39	1
Butyl benzyl phthalate	<5.51		10.2	5.51	ug/L		11/17/25 07:50	11/18/25 21:39	1
4-Chloroaniline	<0.633		10.2	0.633	ug/L		11/17/25 07:50	11/18/25 21:39	1
Chlorobenzilate	<3.67		10.2	3.67	ug/L		11/17/25 07:50	11/20/25 23:12	1
4-Chloro-3-methylphenol	<0.857		10.2	0.857	ug/L		11/17/25 07:50	11/18/25 21:39	1
2-Chloronaphthalene	<0.653		10.2	0.653	ug/L		11/17/25 07:50	11/18/25 21:39	1
2-Chlorophenol	<0.551		10.2	0.551	ug/L		11/17/25 07:50	11/18/25 21:39	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-320370-1
Project/Site: CRLCSWA 1 - Leachate

Client Sample ID: CRLCSWA1_Leachate_25_11
Lab Sample ID: 310-320370-1
Date Collected: 11/12/25 11:30
Matrix: Wastewater
Date Received: 11/12/25 16:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	<0.704		10.2	0.704	ug/L		11/17/25 07:50	11/18/25 21:39	1
Chrysene	<0.888		10.2	0.888	ug/L		11/17/25 07:50	11/18/25 21:39	1
Diallate	<4.08		10.2	4.08	ug/L		11/17/25 07:50	11/20/25 23:12	1
Dibenzo(a,h)anthracene	<3.98		10.2	3.98	ug/L		11/17/25 07:50	11/18/25 21:39	1
Dibenzofuran	<0.755		10.2	0.755	ug/L		11/17/25 07:50	11/18/25 21:39	1
3,3'-Dichlorobenzidine	<1.43		10.2	1.43	ug/L		11/17/25 07:50	11/18/25 21:39	1
2,4-Dichlorophenol	<0.867		10.2	0.867	ug/L		11/17/25 07:50	11/18/25 21:39	1
2,6-Dichlorophenol	<0.704		10.2	0.704	ug/L		11/17/25 07:50	11/18/25 21:39	1
Diethyl phthalate	<1.73		10.2	1.73	ug/L		11/17/25 07:50	11/18/25 21:39	1
Dimethoate	<3.67		10.2	3.67	ug/L		11/17/25 07:50	11/20/25 23:12	1
7,12-Dimethylbenz(a)anthracene	<1.94		10.2	1.94	ug/L		11/17/25 07:50	11/20/25 23:12	1
3,3'-Dimethylbenzidine	<1.53	*1	10.2	1.53	ug/L		11/17/25 07:50	11/20/25 23:12	1
2,4-Dimethylphenol	<0.592		10.2	0.592	ug/L		11/17/25 07:50	11/18/25 21:39	1
Dimethyl phthalate	<1.02		10.2	1.02	ug/L		11/17/25 07:50	11/18/25 21:39	1
Di-n-butyl phthalate	<5.71		10.2	5.71	ug/L		11/17/25 07:50	11/18/25 21:39	1
1,3-Dinitrobenzene	<3.27		10.2	3.27	ug/L		11/17/25 07:50	11/18/25 21:39	1
4,6-Dinitro-2-methylphenol	<7.04		10.2	7.04	ug/L		11/17/25 07:50	11/18/25 21:39	1
2,4-Dinitrophenol	<13.3		20.4	13.3	ug/L		11/17/25 07:50	11/18/25 21:39	1
2,4-Dinitrotoluene	<6.53		10.2	6.53	ug/L		11/17/25 07:50	11/18/25 21:39	1
2,6-Dinitrotoluene	<0.531		10.2	0.531	ug/L		11/17/25 07:50	11/18/25 21:39	1
Di-n-octyl phthalate	<7.14		20.4	7.14	ug/L		11/17/25 07:50	11/18/25 21:39	1
Dinoseb	<2.45		10.2	2.45	ug/L		11/17/25 07:50	11/20/25 23:12	1
Diphenylamine	<6.12		10.2	6.12	ug/L		11/17/25 07:50	11/18/25 21:39	1
Disulfoton	<2.45		10.2	2.45	ug/L		11/17/25 07:50	11/20/25 23:12	1
Ethyl methanesulfonate	<3.67		10.2	3.67	ug/L		11/17/25 07:50	11/20/25 23:12	1
Ethyl Parathion	<2.24		10.2	2.24	ug/L		11/17/25 07:50	11/20/25 23:12	1
Famphur	<3.88		10.2	3.88	ug/L		11/17/25 07:50	11/20/25 23:12	1
Fluoranthene	<1.73		10.2	1.73	ug/L		11/17/25 07:50	11/18/25 21:39	1
Fluorene	<0.806		10.2	0.806	ug/L		11/17/25 07:50	11/18/25 21:39	1
Hexachlorobenzene	<0.714		10.2	0.714	ug/L		11/17/25 07:50	11/18/25 21:39	1
Hexachlorobutadiene	<0.878		10.2	0.878	ug/L		11/17/25 07:50	11/18/25 21:39	1
Hexachlorocyclopentadiene	<5.20		10.2	5.20	ug/L		11/17/25 07:50	11/18/25 21:39	1
Hexachloroethane	<0.990		10.2	0.990	ug/L		11/17/25 07:50	11/18/25 21:39	1
Hexachloropropene	<2.65		10.2	2.65	ug/L		11/17/25 07:50	11/20/25 23:12	1
Indeno[1,2,3-cd]pyrene	<4.29		10.2	4.29	ug/L		11/17/25 07:50	11/18/25 21:39	1
Isodrin	<4.80		10.2	4.80	ug/L		11/17/25 07:50	11/20/25 23:12	1
Isophorone	<0.949		10.2	0.949	ug/L		11/17/25 07:50	11/18/25 21:39	1
Isosafrole	<2.35		10.2	2.35	ug/L		11/17/25 07:50	11/20/25 23:12	1
Kepone	<1.02		10.2	1.02	ug/L		11/17/25 07:50	11/20/25 23:12	1
Methapyrilene	<0.776	*- *1	10.2	0.776	ug/L		11/17/25 07:50	11/20/25 23:12	1
3-Methylcholanthrene	<0.327		10.2	0.327	ug/L		11/17/25 07:50	11/20/25 23:12	1
Methyl methanesulfonate	<3.37		10.2	3.37	ug/L		11/17/25 07:50	11/20/25 23:12	1
2-Methylnaphthalene	<0.602		10.2	0.602	ug/L		11/17/25 07:50	11/18/25 21:39	1
Methyl parathion	<2.35		10.2	2.35	ug/L		11/17/25 07:50	11/20/25 23:12	1
2-Methylphenol	<0.663		10.2	0.663	ug/L		11/17/25 07:50	11/18/25 21:39	1
Methylphenol, 3 & 4	<0.714		10.2	0.714	ug/L		11/17/25 07:50	11/18/25 21:39	1
1,4-Naphthoquinone	<3.67		10.2	3.67	ug/L		11/17/25 07:50	11/20/25 23:12	1
1-Naphthylamine	<2.55		10.2	2.55	ug/L		11/17/25 07:50	11/20/25 23:12	1
2-Naphthylamine	<2.14		10.2	2.14	ug/L		11/17/25 07:50	11/20/25 23:12	1

Client Sample ID: CRLCSWA1_Leachate_25_11
Lab Sample ID: 310-320370-1
Date Collected: 11/12/25 11:30
Matrix: Wastewater
Date Received: 11/12/25 16:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	<6.02		10.2	6.02	ug/L		11/17/25 07:50	11/18/25 21:39	1
3-Nitroaniline	<2.76		10.2	2.76	ug/L		11/17/25 07:50	11/18/25 21:39	1
4-Nitroaniline	<1.33		10.2	1.33	ug/L		11/17/25 07:50	11/18/25 21:39	1
Nitrobenzene	<0.816		10.2	0.816	ug/L		11/17/25 07:50	11/18/25 21:39	1
5-Nitro-o-toluidine	<2.86		10.2	2.86	ug/L		11/17/25 07:50	11/20/25 23:12	1
2-Nitrophenol	<6.94		10.2	6.94	ug/L		11/17/25 07:50	11/18/25 21:39	1
4-Nitrophenol	<7.76		10.2	7.76	ug/L		11/17/25 07:50	11/18/25 21:39	1
N-Nitrosodiethylamine	<3.47		10.2	3.47	ug/L		11/17/25 07:50	11/20/25 23:12	1
N-Nitrosodimethylamine	<0.735		10.2	0.735	ug/L		11/17/25 07:50	11/18/25 21:39	1
N-Nitrosodi-n-butylamine	<3.98		10.2	3.98	ug/L		11/17/25 07:50	11/20/25 23:12	1
N-Nitrosodi-n-propylamine	<0.939		10.2	0.939	ug/L		11/17/25 07:50	11/18/25 21:39	1
N-Nitrosodiphenylamine	<0.765		10.2	0.765	ug/L		11/17/25 07:50	11/18/25 21:39	1
N-Nitrosomethylethylamine	<5.00		10.2	5.00	ug/L		11/17/25 07:50	11/20/25 23:12	1
N-Nitrosopiperidine	<2.76		10.2	2.76	ug/L		11/17/25 07:50	11/20/25 23:12	1
N-Nitrosopyrrolidine	<3.67		10.2	3.67	ug/L		11/17/25 07:50	11/20/25 23:12	1
o,o',o''-Triethylphosphorothioate	<3.27		10.2	3.27	ug/L		11/17/25 07:50	11/20/25 23:12	1
o-Toluidine	<2.96		10.2	2.96	ug/L		11/17/25 07:50	11/20/25 23:12	1
p-Dimethylamino azobenzene	<2.24		10.2	2.24	ug/L		11/17/25 07:50	11/20/25 23:12	1
Pentachlorobenzene	<2.86		10.2	2.86	ug/L		11/17/25 07:50	11/20/25 23:12	1
Pentachloronitrobenzene	<5.92		10.2	5.92	ug/L		11/17/25 07:50	11/20/25 23:12	1
Pentachlorophenol	<9.80		10.2	9.80	ug/L		11/17/25 07:50	11/18/25 21:39	1
Phenacetin	<1.94		10.2	1.94	ug/L		11/17/25 07:50	11/20/25 23:12	1
Phenanthrene	<0.806		10.2	0.806	ug/L		11/17/25 07:50	11/18/25 21:39	1
Phenol	<1.12		10.2	1.12	ug/L		11/17/25 07:50	11/18/25 21:39	1
1,4-phenylenediamine	<1.94	*-	10.2	1.94	ug/L		11/17/25 07:50	11/20/25 23:12	1
Phorate	<3.27		10.2	3.27	ug/L		11/17/25 07:50	11/20/25 23:12	1
Pronamide	<2.76		10.2	2.76	ug/L		11/17/25 07:50	11/20/25 23:12	1
Pyrene	<0.806		10.2	0.806	ug/L		11/17/25 07:50	11/18/25 21:39	1
Pyridine	<1.63	*- *1	10.2	1.63	ug/L		11/17/25 07:50	11/18/25 21:39	1
Safrole	<2.86		10.2	2.86	ug/L		11/17/25 07:50	11/20/25 23:12	1
1,2,4,5-Tetrachlorobenzene	<0.551		10.2	0.551	ug/L		11/17/25 07:50	11/18/25 21:39	1
2,3,4,6-Tetrachlorophenol	<5.41		10.2	5.41	ug/L		11/17/25 07:50	11/18/25 21:39	1
Thionazin	<3.57		10.2	3.57	ug/L		11/17/25 07:50	11/20/25 23:12	1
2,4,5-Trichlorophenol	<5.41		10.2	5.41	ug/L		11/17/25 07:50	11/18/25 21:39	1
2,4,6-Trichlorophenol	<5.10		10.2	5.10	ug/L		11/17/25 07:50	11/18/25 21:39	1
1,3,5-Trinitrobenzene	<2.35		10.2	2.35	ug/L		11/17/25 07:50	11/20/25 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*80*		*33 - 126*	*11/17/25 07:50*	*11/18/25 21:39*	*1*
2-Fluorophenol (Surr)	*66*		*21 - 110*	*11/17/25 07:50*	*11/18/25 21:39*	*1*
Nitrobenzene-d5 (Surr)	*85*		*39 - 140*	*11/17/25 07:50*	*11/18/25 21:39*	*1*
Phenol-d5 (Surr)	*57*		*21 - 110*	*11/17/25 07:50*	*11/18/25 21:39*	*1*
Terphenyl-d14 (Surr)	*56*		*13 - 150*	*11/17/25 07:50*	*11/18/25 21:39*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*20 - 144*	*11/17/25 07:50*	*11/18/25 21:39*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0202		0.0916	0.0202	ug/L		11/17/25 12:41	12/03/25 18:02	1
alpha-BHC	<0.00916		0.0916	0.00916	ug/L		11/17/25 12:41	12/03/25 18:02	1
beta-BHC	<0.0385		0.0916	0.0385	ug/L		11/17/25 12:41	12/03/25 18:02	1

Client Sample ID: CRLCSWA1_Leachate_25_11
Lab Sample ID: 310-320370-1
Date Collected: 11/12/25 11:30
Matrix: Wastewater
Date Received: 11/12/25 16:30

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	<0.00916		0.0916	0.00916	ug/L		11/17/25 12:41	12/03/25 18:02	1
Chlordane (technical)	<0.357		1.83	0.357	ug/L		11/17/25 12:41	12/03/25 18:02	1
delta-BHC	<0.0293		0.0916	0.0293	ug/L		11/17/25 12:41	12/03/25 18:02	1
Dieldrin	<0.0192		0.0916	0.0192	ug/L		11/17/25 12:41	12/03/25 18:02	1
4,4'-DDD	<0.0229		0.0916	0.0229	ug/L		11/17/25 12:41	12/03/25 18:02	1
4,4'-DDE	<0.0275		0.0916	0.0275	ug/L		11/17/25 12:41	12/03/25 18:02	1
4,4'-DDT	<0.0183		0.0916	0.0183	ug/L		11/17/25 12:41	12/03/25 18:02	1
Endosulfan I	<0.0257		0.0916	0.0257	ug/L		11/17/25 12:41	12/03/25 18:02	1
Endosulfan II	<0.0238		0.0916	0.0238	ug/L		11/17/25 12:41	12/03/25 18:02	1
Endosulfan sulfate	<0.0165		0.0916	0.0165	ug/L		11/17/25 12:41	12/03/25 18:02	1
Endrin	<0.0257		0.0916	0.0257	ug/L		11/17/25 12:41	12/03/25 18:02	1
Endrin aldehyde	<0.0247		0.0916	0.0247	ug/L		11/17/25 12:41	12/03/25 18:02	1
Heptachlor	<0.0211		0.0916	0.0211	ug/L		11/17/25 12:41	12/03/25 18:02	1
Heptachlor epoxide	<0.0293		0.0916	0.0293	ug/L		11/17/25 12:41	12/03/25 18:02	1
Methoxychlor	<0.0293		0.0916	0.0293	ug/L		11/17/25 12:41	12/03/25 18:02	1
Toxaphene	<0.916		1.83	0.916	ug/L		11/17/25 12:41	12/03/25 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*65*		*10 - 150*	*11/17/25 12:41*	*12/03/25 18:02*	*1*
Tetrachloro-m-xylene (Surr)	*63*		*17 - 150*	*11/17/25 12:41*	*12/03/25 18:02*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.751		1.83	0.751	ug/L		11/17/25 12:41	12/03/25 18:02	1
PCB-1221	<0.751		1.83	0.751	ug/L		11/17/25 12:41	12/03/25 18:02	1
PCB-1232	<0.751		1.83	0.751	ug/L		11/17/25 12:41	12/03/25 18:02	1
PCB-1242	<0.751		1.83	0.751	ug/L		11/17/25 12:41	12/03/25 18:02	1
PCB-1248	<0.632		1.83	0.632	ug/L		11/17/25 12:41	12/03/25 18:02	1
PCB-1254	<0.632		1.83	0.632	ug/L		11/17/25 12:41	12/03/25 18:02	1
PCB-1260	<0.632		1.83	0.632	ug/L		11/17/25 12:41	12/03/25 18:02	1
PCB-1268	<0.632		1.83	0.632	ug/L		11/17/25 12:41	12/03/25 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*65*		*10 - 150*	*11/17/25 12:41*	*12/03/25 18:02*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*17 - 150*	*11/17/25 12:41*	*12/03/25 18:02*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.630		5.00	0.630	ug/L		11/18/25 07:09	11/18/25 21:14	5
Silvex (2,4,5-TP)	<0.525		5.00	0.525	ug/L		11/18/25 07:09	11/18/25 21:14	5
2,4,5-T	<0.700		5.00	0.700	ug/L		11/18/25 07:09	11/18/25 21:14	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*101*		*25 - 130*	*11/18/25 07:09*	*11/18/25 21:14*	*5*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00442**		0.00200	0.000530	mg/L		11/17/25 08:30	11/24/25 02:26	1
Barium	**0.780**		0.00200	0.000660	mg/L		11/17/25 08:30	11/24/25 02:26	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		11/17/25 08:30	11/24/25 02:26	1
Chromium	**0.0141**		0.00500	0.00180	mg/L		11/17/25 08:30	11/24/25 02:26	1

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-320370-1
Project/Site: CRLCSWA 1 - Leachate

Client Sample ID: CRLCSWA1_Leachate_25_11

Lab Sample ID: 310-320370-1

Date Collected: 11/12/25 11:30

Matrix: Wastewater

Date Received: 11/12/25 16:30

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00320		0.00500	0.00320	mg/L		11/17/25 08:30	11/24/25 02:26	1
Iron	**0.908**		0.100	0.0500	mg/L		11/17/25 08:30	11/24/25 15:50	1
Lead	<0.000330		0.000500	0.000330	mg/L		11/17/25 08:30	11/24/25 02:26	1
Magnesium	**227**		2.00	0.600	mg/L		11/17/25 08:30	11/24/25 15:52	4
Nickel	**0.0397**		0.00500	0.00230	mg/L		11/17/25 08:30	11/24/25 02:26	1
Potassium	**329**		2.00	0.680	mg/L		11/17/25 08:30	11/24/25 15:52	4
Selenium	<0.00140		0.00500	0.00140	mg/L		11/17/25 08:30	11/24/25 02:26	1
Silver	<0.000500	*+	0.00100	0.000500	mg/L		11/17/25 08:30	11/24/25 02:26	1
Zinc	<0.0130		0.0200	0.0130	mg/L		11/17/25 08:30	11/24/25 15:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		11/20/25 13:30	11/21/25 09:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (EPA 350.1)	**282**		50.0	12.0	mg/L			11/19/25 13:24	100
Total Kjeldahl Nitrogen (EPA 351.2)	**404**	**B**	50.0	31.0	mg/L		11/14/25 05:02	11/14/25 14:43	10
Nitrate as N (EPA 353.2)	<0.0800		0.100	0.0800	mg/L			11/12/25 18:28	1
Total Phosphorus as P (EPA 365.1)	**1.86**		0.100	0.0680	mg/L		11/18/25 18:52	11/19/25 20:54	1
Phosphorus as PO4 (EPA 365.1)	**5.69**		0.310	0.210	mg/L		11/18/25 18:52	11/19/25 20:54	1
Cyanide, Total (SW846 9012B)	<0.00350		0.0100	0.00350	mg/L		11/20/25 08:45	11/21/25 23:56	1
Total Suspended Solids (USGS I-3765-85)	**5.00**		5.00	3.50	mg/L			11/13/25 10:53	1
Total Solids (SM 2540B)	**5390**		250	225	mg/L			11/13/25 10:03	1
Total Dissolved Solids (SM 2540C)	**4620**		250	180	mg/L			11/18/25 10:07	1
Chloride (SM 4500 Cl- E)	**1110**		200	140	mg/L			11/18/25 14:17	100
Carbonaceous Biochemical Oxygen Demand (SM 5210B)	**9.31**		3.00	3.00	mg/L			11/13/25 06:25	1
Chemical Oxygen Demand (SM 5220D)	**689**		250	230	mg/L			11/19/25 14:45	50

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Volatile Solids (SM 2540E)	**1510**		250	250	mg/L			11/13/25 10:03	1
Fixed Solids (SM 2540E)	**3880**		250	250	mg/L			11/13/25 10:03	1
pH (SW846 9040C)	**7.16**	**HF**	1.00	1.00	SU			11/12/25 17:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Orthophosphate as P (EPA 365.1)	**1.66**		0.100	0.0300	mg/L			11/12/25 18:52	1
Chromium (VI) (SM 3500 CR B)	<0.00690		0.0200	0.00690	mg/L			11/12/25 17:37	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F3	Duplicate RPD exceeds the control limit
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-320370-1
Project/Site: CRLCSWA 1 - Leachate

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Wastewater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-320370-1	CRLCSWA1_Leachate_25_11	100	106	107
310-320370-1	CRLCSWA1_Leachate_25_11	100	103	108

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-320388-D-4 MS	Matrix Spike	99	105	100
310-320388-D-4 MSD	Matrix Spike Duplicate	101	104	101
310-320470-E-2 MS	Matrix Spike	100	103	103
310-320470-E-2 MSD	Matrix Spike Duplicate	102	104	102
LCS 310-473627/6	Lab Control Sample	100	103	102
LCS 310-473627/7	Lab Control Sample	101	102	109
LCS 310-473791/6	Lab Control Sample	97	104	101
LCS 310-473791/7	Lab Control Sample	100	100	109
MB 310-473627/5	Method Blank	102	103	108
MB 310-473791/5	Method Blank	100	100	108

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Wastewater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(33-126)	(21-110)	(39-140)	(21-110)	(13-150)	(20-144)
310-320370-1	CRLCSWA1_Leachate_25_11	80	66	85	57	56	85

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Surrogate Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-320370-1
Project/Site: CRLCSWA 1 - Leachate

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(33-126)	(21-110)	(39-140)	(21-110)	(13-150)	(20-144)
LCS 310-473723/2-A	Lab Control Sample	84	72	88	58	77	100
LCSD 310-473723/3-A	Lab Control Sample Dup	86	87	90	80	77	96
MB 310-473723/1-A	Method Blank	82	72	89	60	77	91

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Wastewater **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-320370-1	CRLCSWA1_Leachate_25_11	65	63

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Wastewater **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-320370-1	CRLCSWA1_Leachate_25_11	65	62

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

Method: 8151A - Herbicides (GC)

Matrix: Wastewater **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		DCPAA1
Lab Sample ID	Client Sample ID	(25-130)
310-320370-1	CRLCSWA1_Leachate_25_11	101

Surrogate Legend

DCPAA = DCAA

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		DCPAA1
Lab Sample ID	Client Sample ID	(25-130)
LB 500-843175/1-F	Method Blank	95

Surrogate Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-320370-1
Project/Site: CRLCSWA 1 - Leachate

Method: 8151A - Herbicides (GC) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		DCPAA1
Lab Sample ID	Client Sample ID	(25-130)
LCS 500-843597/2-A	Lab Control Sample	109
LCSD 500-843597/3-A	Lab Control Sample Dup	114
MB 500-843597/1-A	Method Blank	100

Surrogate Legend

DCPAA = DCAA

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)
		DCPAA1
Lab Sample ID	Client Sample ID	(25-130)
310-320279-C-1-C MS	Matrix Spike	94

Surrogate Legend

DCPAA = DCAA

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-473627/5
Matrix: Water
Analysis Batch: 473627

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			11/15/25 01:34	1
1,1,1-Trichloroethane	<0.420		1.00	0.420	ug/L			11/15/25 01:34	1
1,1,2,2-Tetrachloroethane	<0.350		1.00	0.350	ug/L			11/15/25 01:34	1
1,1,2-Trichloroethane	<0.330		1.00	0.330	ug/L			11/15/25 01:34	1
1,1-Dichloroethane	<0.400		1.00	0.400	ug/L			11/15/25 01:34	1
1,1-Dichloroethene	<0.460		2.00	0.460	ug/L			11/15/25 01:34	1
1,1-Dichloropropene	<0.410		1.00	0.410	ug/L			11/15/25 01:34	1
1,2,3-Trichlorobenzene	<1.80		5.00	1.80	ug/L			11/15/25 01:34	1
1,2,3-Trichloropropane	<0.430		1.00	0.430	ug/L			11/15/25 01:34	1
1,2,4-Trichlorobenzene	<1.90		5.00	1.90	ug/L			11/15/25 01:34	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			11/15/25 01:34	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			11/15/25 01:34	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			11/15/25 01:34	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			11/15/25 01:34	1
1,2-Dichloroethane	<0.890		1.00	0.890	ug/L			11/15/25 01:34	1
1,2-Dichloropropane	<0.380		1.00	0.380	ug/L			11/15/25 01:34	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			11/15/25 01:34	1
1,3-Dichlorobenzene	<0.470		1.00	0.470	ug/L			11/15/25 01:34	1
1,3-Dichloropropane	<0.390		1.00	0.390	ug/L			11/15/25 01:34	1
1,4-Dichlorobenzene	<0.490		1.00	0.490	ug/L			11/15/25 01:34	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			11/15/25 01:34	1
2-Butanone (MEK)	<3.40		10.0	3.40	ug/L			11/15/25 01:34	1
2-Chloroethyl vinyl ether	<0.800		2.00	0.800	ug/L			11/15/25 01:34	1
2-Chlorotoluene	<0.470		1.00	0.470	ug/L			11/15/25 01:34	1
4-Chlorotoluene	<0.290		1.00	0.290	ug/L			11/15/25 01:34	1
Acetone	<3.80		10.0	3.80	ug/L			11/15/25 01:34	1
Benzene	<0.220		0.500	0.220	ug/L			11/15/25 01:34	1
Bromobenzene	<0.490		1.00	0.490	ug/L			11/15/25 01:34	1
Bromochloromethane	<1.70		5.00	1.70	ug/L			11/15/25 01:34	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			11/15/25 01:34	1
Bromoform	<2.60		5.00	2.60	ug/L			11/15/25 01:34	1
Bromomethane	<1.10		4.00	1.10	ug/L			11/15/25 01:34	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			11/15/25 01:34	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			11/15/25 01:34	1
Chlorobenzene	<0.350		1.00	0.350	ug/L			11/15/25 01:34	1
Chlorodibromomethane	<1.50		5.00	1.50	ug/L			11/15/25 01:34	1
Chloroethane	<0.900		4.00	0.900	ug/L			11/15/25 01:34	1
Chloroform	<1.30		3.00	1.30	ug/L			11/15/25 01:34	1
Chloromethane	<0.610		3.00	0.610	ug/L			11/15/25 01:34	1
cis-1,2-Dichloroethene	<0.550		1.00	0.550	ug/L			11/15/25 01:34	1
cis-1,3-Dichloropropene	<1.20		5.00	1.20	ug/L			11/15/25 01:34	1
Dibromomethane	<0.330		1.00	0.330	ug/L			11/15/25 01:34	1
Dichlorodifluoromethane	<0.850		3.00	0.850	ug/L			11/15/25 01:34	1
Ethylbenzene	<0.420		1.00	0.420	ug/L			11/15/25 01:34	1
Hexachlorobutadiene	<1.40		5.00	1.40	ug/L			11/15/25 01:34	1
Hexane	<0.780		1.00	0.780	ug/L			11/15/25 01:34	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			11/15/25 01:34	1
Methyl tert-butyl ether	<0.300		1.00	0.300	ug/L			11/15/25 01:34	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-473627/5
Matrix: Water
Analysis Batch: 473627

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<1.70		5.00	1.70	ug/L			11/15/25 01:34	1
Naphthalene	<1.80		5.00	1.80	ug/L			11/15/25 01:34	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			11/15/25 01:34	1
N-Propylbenzene	<0.390		1.00	0.390	ug/L			11/15/25 01:34	1
p-Isopropyltoluene	<0.330		1.00	0.330	ug/L			11/15/25 01:34	1
sec-Butylbenzene	<0.440		1.00	0.440	ug/L			11/15/25 01:34	1
Styrene	<0.370		1.00	0.370	ug/L			11/15/25 01:34	1
tert-Butylbenzene	<0.380		1.00	0.380	ug/L			11/15/25 01:34	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			11/15/25 01:34	1
Toluene	<0.430		1.00	0.430	ug/L			11/15/25 01:34	1
trans-1,2-Dichloroethene	<0.410		1.00	0.410	ug/L			11/15/25 01:34	1
trans-1,3-Dichloropropene	<2.30		5.00	2.30	ug/L			11/15/25 01:34	1
Trichloroethene	<0.350		1.00	0.350	ug/L			11/15/25 01:34	1
Trichlorofluoromethane	<0.470		4.00	0.470	ug/L			11/15/25 01:34	1
Vinyl chloride	<0.430		1.00	0.430	ug/L			11/15/25 01:34	1
Xylenes, Total	<1.10		3.00	1.10	ug/L			11/15/25 01:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*76 - 130*		*11/15/25 01:34*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/15/25 01:34*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*11/15/25 01:34*	*1*

Lab Sample ID: LCS 310-473627/6
Matrix: Water
Analysis Batch: 473627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	20.10		ug/L		101	70 - 121
1,1,1-Trichloroethane	20.0	18.76		ug/L		94	69 - 130
1,1,2,2-Tetrachloroethane	20.0	20.35		ug/L		102	70 - 122
1,1,2-Trichloroethane	20.0	19.41		ug/L		97	75 - 121
1,1-Dichloroethane	20.0	19.54		ug/L		98	69 - 127
1,1-Dichloroethene	20.0	21.40		ug/L		107	64 - 134
1,1-Dichloropropene	20.0	18.86		ug/L		94	70 - 133
1,2,3-Trichlorobenzene	20.0	21.73		ug/L		109	69 - 124
1,2,3-Trichloropropane	20.0	22.32		ug/L		112	70 - 122
1,2,4-Trichlorobenzene	20.0	21.78		ug/L		109	69 - 125
1,2,4-Trimethylbenzene	20.0	20.73		ug/L		104	71 - 125
1,2-Dibromo-3-Chloropropane	20.0	22.12		ug/L		111	62 - 132
1,2-Dibromoethane (EDB)	20.0	19.75		ug/L		99	74 - 122
1,2-Dichlorobenzene	20.0	21.41		ug/L		107	74 - 120
1,2-Dichloroethane	20.0	17.93		ug/L		90	68 - 125
1,2-Dichloropropane	20.0	18.01		ug/L		90	72 - 128
1,3,5-Trimethylbenzene	20.0	20.46		ug/L		102	72 - 124
1,3-Dichlorobenzene	20.0	21.68		ug/L		108	71 - 120
1,3-Dichloropropane	20.0	18.71		ug/L		94	72 - 125
1,4-Dichlorobenzene	20.0	21.54		ug/L		108	72 - 120
2,2-Dichloropropane	20.0	16.00		ug/L		80	51 - 146

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-473627/6
Matrix: Water
Analysis Batch: 473627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	40.0	38.77		ug/L		97	60 - 134
2-Chloroethyl vinyl ether	20.0	17.10		ug/L		85	50 - 150
2-Chlorotoluene	20.0	20.13		ug/L		101	73 - 121
4-Chlorotoluene	20.0	20.38		ug/L		102	72 - 121
Acetone	40.0	38.49		ug/L		96	59 - 136
Benzene	20.0	18.65		ug/L		93	71 - 125
Bromobenzene	20.0	21.25		ug/L		106	71 - 120
Bromochloromethane	20.0	19.43		ug/L		97	69 - 131
Bromodichloromethane	20.0	18.26		ug/L		91	70 - 122
Bromoform	20.0	19.22		ug/L		96	62 - 122
Carbon disulfide	20.0	20.40		ug/L		102	58 - 137
Carbon tetrachloride	20.0	19.13		ug/L		96	63 - 136
Chlorobenzene	20.0	20.29		ug/L		101	74 - 120
Chlorodibromomethane	20.0	19.72		ug/L		99	69 - 121
Chloroform	20.0	18.40		ug/L		92	72 - 122
cis-1,2-Dichloroethene	20.0	19.53		ug/L		98	72 - 123
cis-1,3-Dichloropropene	20.0	17.93		ug/L		90	72 - 123
Dibromomethane	20.0	19.18		ug/L		96	72 - 122
Ethylbenzene	20.0	20.79		ug/L		104	75 - 120
Hexachlorobutadiene	20.0	20.41		ug/L		102	67 - 127
Hexane	20.0	19.49		ug/L		97	49 - 150
Isopropylbenzene	20.0	20.34		ug/L		102	74 - 122
Methyl tert-butyl ether	20.0	17.46		ug/L		87	66 - 130
Methylene Chloride	20.0	20.13		ug/L		101	72 - 128
Naphthalene	20.0	21.05		ug/L		105	69 - 126
n-Butylbenzene	20.0	19.96		ug/L		100	70 - 130
N-Propylbenzene	20.0	20.37		ug/L		102	73 - 125
p-Isopropyltoluene	20.0	20.72		ug/L		104	72 - 127
sec-Butylbenzene	20.0	20.63		ug/L		103	72 - 127
Styrene	20.0	20.25		ug/L		101	74 - 122
tert-Butylbenzene	20.0	21.13		ug/L		106	72 - 125
Tetrachloroethene	20.0	21.93		ug/L		110	70 - 128
Toluene	20.0	20.24		ug/L		101	74 - 120
trans-1,2-Dichloroethene	20.0	20.14		ug/L		101	67 - 127
trans-1,3-Dichloropropene	20.0	16.74		ug/L		84	67 - 123
Trichloroethene	20.0	18.59		ug/L		93	70 - 128
Xylenes, Total	40.0	40.99		ug/L		102	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*76 - 130*
Toluene-d8 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-473627/7
Matrix: Water
Analysis Batch: 473627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromomethane			20.0	25.53		ug/L		128	33 - 138		
Chloroethane			20.0	18.20		ug/L		91	59 - 139		
Chloromethane			20.0	18.07		ug/L		90	52 - 146		
Dichlorodifluoromethane			20.0	18.91		ug/L		95	45 - 150		
Trichlorofluoromethane			20.0	18.44		ug/L		92	55 - 150		
Vinyl chloride			20.0	17.87		ug/L		89	60 - 142		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*76 - 130*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*

Lab Sample ID: 310-320388-D-4 MS
Matrix: Water
Analysis Batch: 473627

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane	<0.380		20.0	17.04		ug/L		85	55 - 121		
1,1,1-Trichloroethane	<0.420		20.0	15.74		ug/L		79	53 - 130		
1,1,2,2-Tetrachloroethane	<0.350		20.0	18.41		ug/L		92	55 - 123		
1,1,2-Trichloroethane	<0.330		20.0	17.08		ug/L		85	60 - 121		
1,1-Dichloroethane	<0.400		20.0	17.39		ug/L		87	53 - 127		
1,1-Dichloroethene	<0.460		20.0	18.33		ug/L		92	51 - 134		
1,1-Dichloropropene	<0.410		20.0	15.77		ug/L		79	55 - 133		
1,2,3-Trichlorobenzene	<1.80		20.0	19.14		ug/L		96	54 - 127		
1,2,3-Trichloropropane	<0.430		20.0	20.31		ug/L		102	56 - 122		
1,2,4-Trichlorobenzene	<1.90		20.0	18.44		ug/L		92	55 - 126		
1,2,4-Trimethylbenzene	<0.420		20.0	18.55		ug/L		93	51 - 125		
1,2-Dibromo-3-Chloropropane	<1.20		20.0	19.39		ug/L		97	44 - 138		
1,2-Dibromoethane (EDB)	<0.340		20.0	17.82		ug/L		89	60 - 122		
1,2-Dichlorobenzene	<0.370		20.0	19.07		ug/L		95	60 - 120		
1,2-Dichloroethane	<0.890		20.0	16.25		ug/L		81	48 - 128		
1,2-Dichloropropane	<0.380		20.0	16.14		ug/L		81	59 - 128		
1,3,5-Trimethylbenzene	<0.370		20.0	17.93		ug/L		90	53 - 124		
1,3-Dichlorobenzene	<0.470		20.0	19.05		ug/L		95	58 - 120		
1,3-Dichloropropane	<0.390		20.0	16.50		ug/L		83	58 - 125		
1,4-Dichlorobenzene	<0.490		20.0	19.00		ug/L		95	58 - 120		
2,2-Dichloropropane	<0.690		20.0	12.24		ug/L		61	34 - 146		
2-Butanone (MEK)	<3.40		40.0	35.00		ug/L		87	46 - 134		
2-Chloroethyl vinyl ether	<0.800	F1	20.0	<0.800	F1	ug/L		0	41 - 150		
2-Chlorotoluene	<0.470		20.0	17.85		ug/L		89	54 - 121		
4-Chlorotoluene	<0.290		20.0	17.86		ug/L		89	52 - 122		
Acetone	9.08	J	40.0	45.59		ug/L		91	39 - 141		
Benzene	<0.220		20.0	16.43		ug/L		82	48 - 125		
Bromobenzene	<0.490		20.0	19.10		ug/L		96	57 - 120		
Bromochloromethane	<1.70		20.0	17.42		ug/L		87	55 - 131		
Bromodichloromethane	<0.390		20.0	15.73		ug/L		79	53 - 122		
Bromoform	<2.60		20.0	15.55		ug/L		78	47 - 122		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-320388-D-4 MS
Matrix: Water
Analysis Batch: 473627

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	<0.450		20.0	17.89		ug/L		89	45 - 137
Carbon tetrachloride	<0.650		20.0	15.54		ug/L		78	45 - 136
Chlorobenzene	<0.350		20.0	18.08		ug/L		90	59 - 120
Chlorodibromomethane	<1.50		20.0	16.55		ug/L		83	53 - 121
Chloroform	<1.30		20.0	16.45		ug/L		82	52 - 122
cis-1,2-Dichloroethene	<0.550		20.0	17.56		ug/L		88	51 - 123
cis-1,3-Dichloropropene	<1.20		20.0	15.13		ug/L		76	55 - 123
Dibromomethane	<0.330		20.0	17.19		ug/L		86	57 - 122
Ethylbenzene	<0.420		20.0	18.35		ug/L		92	53 - 120
Hexachlorobutadiene	<1.40		20.0	18.07		ug/L		90	36 - 127
Hexane	<0.780		20.0	15.76		ug/L		79	30 - 150
Isopropylbenzene	<0.350		20.0	17.67		ug/L		88	51 - 122
Methyl tert-butyl ether	<0.300		20.0	15.34		ug/L		77	50 - 130
Methylene Chloride	<1.70		20.0	18.82		ug/L		94	59 - 128
Naphthalene	<1.80		20.0	19.51		ug/L		98	45 - 144
n-Butylbenzene	<0.440		20.0	17.08		ug/L		85	46 - 130
N-Propylbenzene	<0.390		20.0	17.86		ug/L		89	50 - 125
p-Isopropyltoluene	1.32		20.0	19.25		ug/L		90	55 - 127
sec-Butylbenzene	<0.440		20.0	18.02		ug/L		90	53 - 127
Styrene	<0.370		20.0	17.90		ug/L		90	50 - 125
tert-Butylbenzene	<0.380		20.0	18.75		ug/L		94	57 - 125
Tetrachloroethene	<0.480		20.0	18.32		ug/L		92	51 - 128
Toluene	<0.430		20.0	18.33		ug/L		92	52 - 120
trans-1,2-Dichloroethene	<0.410		20.0	17.65		ug/L		88	53 - 127
trans-1,3-Dichloropropene	<2.30		20.0	14.01		ug/L		70	50 - 123
Trichloroethene	<0.350		20.0	15.95		ug/L		80	50 - 128
Xylenes, Total	<1.10		40.0	36.97		ug/L		92	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*76 - 130*
Toluene-d8 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: 310-320388-D-4 MSD
Matrix: Water
Analysis Batch: 473627

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.380		20.0	16.89		ug/L		84	55 - 121	1	20
1,1,1-Trichloroethane	<0.420		20.0	15.56		ug/L		78	53 - 130	1	20
1,1,2,2-Tetrachloroethane	<0.350		20.0	18.73		ug/L		94	55 - 123	2	20
1,1,2-Trichloroethane	<0.330		20.0	16.94		ug/L		85	60 - 121	1	20
1,1-Dichloroethane	<0.400		20.0	16.95		ug/L		85	53 - 127	3	20
1,1-Dichloroethene	<0.460		20.0	18.03		ug/L		90	51 - 134	2	20
1,1-Dichloropropene	<0.410		20.0	14.93		ug/L		75	55 - 133	6	20
1,2,3-Trichlorobenzene	<1.80		20.0	20.69		ug/L		103	54 - 127	8	24
1,2,3-Trichloropropane	<0.430		20.0	19.98		ug/L		100	56 - 122	2	21
1,2,4-Trichlorobenzene	<1.90		20.0	20.34		ug/L		102	55 - 126	10	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-320388-D-4 MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 473627

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	<0.420		20.0	18.66		ug/L		93	51 - 125	1	20
1,2-Dibromo-3-Chloropropane	<1.20		20.0	19.05		ug/L		95	44 - 138	2	24
1,2-Dibromoethane (EDB)	<0.340		20.0	17.61		ug/L		88	60 - 122	1	20
1,2-Dichlorobenzene	<0.370		20.0	19.25		ug/L		96	60 - 120	1	20
1,2-Dichloroethane	<0.890		20.0	15.96		ug/L		80	48 - 128	2	20
1,2-Dichloropropane	<0.380		20.0	15.75		ug/L		79	59 - 128	2	20
1,3,5-Trimethylbenzene	<0.370		20.0	18.13		ug/L		91	53 - 124	1	20
1,3-Dichlorobenzene	<0.470		20.0	18.89		ug/L		94	58 - 120	1	20
1,3-Dichloropropane	<0.390		20.0	16.38		ug/L		82	58 - 125	1	20
1,4-Dichlorobenzene	<0.490		20.0	19.27		ug/L		96	58 - 120	1	20
2,2-Dichloropropane	<0.690		20.0	11.95		ug/L		60	34 - 146	2	20
2-Butanone (MEK)	<3.40		40.0	34.94		ug/L		87	46 - 134	0	23
2-Chloroethyl vinyl ether	<0.800	F1	20.0	<0.800	F1	ug/L		0	41 - 150	NC	20
2-Chlorotoluene	<0.470		20.0	17.56		ug/L		88	54 - 121	2	23
4-Chlorotoluene	<0.290		20.0	17.62		ug/L		88	52 - 122	1	20
Acetone	9.08	J	40.0	45.80		ug/L		92	39 - 141	0	23
Benzene	<0.220		20.0	15.79		ug/L		79	48 - 125	4	20
Bromobenzene	<0.490		20.0	18.64		ug/L		93	57 - 120	2	20
Bromochloromethane	<1.70		20.0	17.99		ug/L		90	55 - 131	3	21
Bromodichloromethane	<0.390		20.0	15.53		ug/L		78	53 - 122	1	20
Bromoform	<2.60		20.0	15.83		ug/L		79	47 - 122	2	20
Carbon disulfide	<0.450		20.0	16.27		ug/L		81	45 - 137	9	24
Carbon tetrachloride	<0.650		20.0	15.23		ug/L		76	45 - 136	2	20
Chlorobenzene	<0.350		20.0	17.60		ug/L		88	59 - 120	3	20
Chlorodibromomethane	<1.50		20.0	16.59		ug/L		83	53 - 121	0	20
Chloroform	<1.30		20.0	16.12		ug/L		81	52 - 122	2	20
cis-1,2-Dichloroethene	<0.550		20.0	17.03		ug/L		85	51 - 123	3	20
cis-1,3-Dichloropropene	<1.20		20.0	14.78		ug/L		74	55 - 123	2	20
Dibromomethane	<0.330		20.0	16.97		ug/L		85	57 - 122	1	20
Ethylbenzene	<0.420		20.0	17.76		ug/L		89	53 - 120	3	20
Hexachlorobutadiene	<1.40		20.0	17.61		ug/L		88	36 - 127	3	30
Hexane	<0.780		20.0	16.15		ug/L		81	30 - 150	2	20
Isopropylbenzene	<0.350		20.0	17.51		ug/L		88	51 - 122	1	20
Methyl tert-butyl ether	<0.300		20.0	15.27		ug/L		76	50 - 130	0	20
Methylene Chloride	<1.70		20.0	18.24		ug/L		91	59 - 128	3	20
Naphthalene	<1.80		20.0	20.47		ug/L		102	45 - 144	5	32
n-Butylbenzene	<0.440		20.0	17.98		ug/L		90	46 - 130	5	27
N-Propylbenzene	<0.390		20.0	17.78		ug/L		89	50 - 125	0	20
p-Isopropyltoluene	1.32		20.0	20.24		ug/L		95	55 - 127	5	20
sec-Butylbenzene	<0.440		20.0	18.94		ug/L		95	53 - 127	5	20
Styrene	<0.370		20.0	17.63		ug/L		88	50 - 125	2	20
tert-Butylbenzene	<0.380		20.0	19.08		ug/L		95	57 - 125	2	20
Tetrachloroethene	<0.480		20.0	17.62		ug/L		88	51 - 128	4	20
Toluene	<0.430		20.0	17.62		ug/L		88	52 - 120	4	20
trans-1,2-Dichloroethene	<0.410		20.0	16.94		ug/L		85	53 - 127	4	20
trans-1,3-Dichloropropene	<2.30		20.0	14.11		ug/L		71	50 - 123	1	20
Trichloroethene	<0.350		20.0	15.06		ug/L		75	50 - 128	6	20
Xylenes, Total	<1.10		40.0	35.93		ug/L		90	50 - 122	3	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-320388-D-4 MSD
Matrix: Water
Analysis Batch: 473627

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	*101*		*76 - 130*
Toluene-d8 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 310-473791/5
Matrix: Water
Analysis Batch: 473791

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			11/17/25 13:15	1
1,1,1-Trichloroethane	<0.420		1.00	0.420	ug/L			11/17/25 13:15	1
1,1,2,2-Tetrachloroethane	<0.350		1.00	0.350	ug/L			11/17/25 13:15	1
1,1,2-Trichloroethane	<0.330		1.00	0.330	ug/L			11/17/25 13:15	1
1,1-Dichloroethane	<0.400		1.00	0.400	ug/L			11/17/25 13:15	1
1,1-Dichloroethene	<0.460		2.00	0.460	ug/L			11/17/25 13:15	1
1,1-Dichloropropene	<0.410		1.00	0.410	ug/L			11/17/25 13:15	1
1,2,3-Trichlorobenzene	<1.80		5.00	1.80	ug/L			11/17/25 13:15	1
1,2,3-Trichloropropane	<0.430		1.00	0.430	ug/L			11/17/25 13:15	1
1,2,4-Trichlorobenzene	<1.90		5.00	1.90	ug/L			11/17/25 13:15	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			11/17/25 13:15	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			11/17/25 13:15	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			11/17/25 13:15	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			11/17/25 13:15	1
1,2-Dichloroethane	<0.890		1.00	0.890	ug/L			11/17/25 13:15	1
1,2-Dichloropropane	<0.380		1.00	0.380	ug/L			11/17/25 13:15	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			11/17/25 13:15	1
1,3-Dichlorobenzene	<0.470		1.00	0.470	ug/L			11/17/25 13:15	1
1,3-Dichloropropane	<0.390		1.00	0.390	ug/L			11/17/25 13:15	1
1,4-Dichlorobenzene	<0.490		1.00	0.490	ug/L			11/17/25 13:15	1
2,2-Dichloropropane	<0.690		4.00	0.690	ug/L			11/17/25 13:15	1
2-Butanone (MEK)	<3.40		10.0	3.40	ug/L			11/17/25 13:15	1
2-Chloroethyl vinyl ether	<0.800		2.00	0.800	ug/L			11/17/25 13:15	1
2-Chlorotoluene	<0.470		1.00	0.470	ug/L			11/17/25 13:15	1
4-Chlorotoluene	<0.290		1.00	0.290	ug/L			11/17/25 13:15	1
Acetone	<3.80		10.0	3.80	ug/L			11/17/25 13:15	1
Benzene	<0.220		0.500	0.220	ug/L			11/17/25 13:15	1
Bromobenzene	<0.490		1.00	0.490	ug/L			11/17/25 13:15	1
Bromochloromethane	<1.70		5.00	1.70	ug/L			11/17/25 13:15	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			11/17/25 13:15	1
Bromoform	<2.60		5.00	2.60	ug/L			11/17/25 13:15	1
Bromomethane	<1.10		4.00	1.10	ug/L			11/17/25 13:15	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			11/17/25 13:15	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			11/17/25 13:15	1
Chlorobenzene	<0.350		1.00	0.350	ug/L			11/17/25 13:15	1
Chlorodibromomethane	<1.50		5.00	1.50	ug/L			11/17/25 13:15	1
Chloroethane	<0.900		4.00	0.900	ug/L			11/17/25 13:15	1
Chloroform	<1.30		3.00	1.30	ug/L			11/17/25 13:15	1
Chloromethane	<0.610		3.00	0.610	ug/L			11/17/25 13:15	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-473791/5
Matrix: Water
Analysis Batch: 473791

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.550		1.00	0.550	ug/L			11/17/25 13:15	1
cis-1,3-Dichloropropene	<1.20		5.00	1.20	ug/L			11/17/25 13:15	1
Dibromomethane	<0.330		1.00	0.330	ug/L			11/17/25 13:15	1
Dichlorodifluoromethane	<0.850		3.00	0.850	ug/L			11/17/25 13:15	1
Ethylbenzene	<0.420		1.00	0.420	ug/L			11/17/25 13:15	1
Hexachlorobutadiene	<1.40		5.00	1.40	ug/L			11/17/25 13:15	1
Hexane	<0.780		1.00	0.780	ug/L			11/17/25 13:15	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			11/17/25 13:15	1
Methyl tert-butyl ether	<0.300		1.00	0.300	ug/L			11/17/25 13:15	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			11/17/25 13:15	1
Naphthalene	<1.80		5.00	1.80	ug/L			11/17/25 13:15	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			11/17/25 13:15	1
N-Propylbenzene	<0.390		1.00	0.390	ug/L			11/17/25 13:15	1
p-Isopropyltoluene	<0.330		1.00	0.330	ug/L			11/17/25 13:15	1
sec-Butylbenzene	<0.440		1.00	0.440	ug/L			11/17/25 13:15	1
Styrene	<0.370		1.00	0.370	ug/L			11/17/25 13:15	1
tert-Butylbenzene	<0.380		1.00	0.380	ug/L			11/17/25 13:15	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			11/17/25 13:15	1
Toluene	<0.430		1.00	0.430	ug/L			11/17/25 13:15	1
trans-1,2-Dichloroethene	<0.410		1.00	0.410	ug/L			11/17/25 13:15	1
trans-1,3-Dichloropropene	<2.30		5.00	2.30	ug/L			11/17/25 13:15	1
Trichloroethene	<0.350		1.00	0.350	ug/L			11/17/25 13:15	1
Trichlorofluoromethane	<0.470		4.00	0.470	ug/L			11/17/25 13:15	1
Vinyl chloride	<0.430		1.00	0.430	ug/L			11/17/25 13:15	1
Xylenes, Total	<1.10		3.00	1.10	ug/L			11/17/25 13:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*76 - 130*		*11/17/25 13:15*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/17/25 13:15*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*11/17/25 13:15*	*1*

Lab Sample ID: LCS 310-473791/6
Matrix: Water
Analysis Batch: 473791

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.99		ug/L		100	70 - 121
1,1,1-Trichloroethane	20.0	18.71		ug/L		94	69 - 130
1,1,2,2-Tetrachloroethane	20.0	20.08		ug/L		100	70 - 122
1,1,2-Trichloroethane	20.0	18.96		ug/L		95	75 - 121
1,1-Dichloroethane	20.0	18.82		ug/L		94	69 - 127
1,1-Dichloroethene	20.0	20.63		ug/L		103	64 - 134
1,1-Dichloropropene	20.0	18.70		ug/L		94	70 - 133
1,2,3-Trichlorobenzene	20.0	19.84		ug/L		99	69 - 124
1,2,3-Trichloropropane	20.0	21.66		ug/L		108	70 - 122
1,2,4-Trichlorobenzene	20.0	20.36		ug/L		102	69 - 125
1,2,4-Trimethylbenzene	20.0	19.38		ug/L		97	71 - 125
1,2-Dibromo-3-Chloropropane	20.0	21.32		ug/L		107	62 - 132

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-473791/6
Matrix: Water
Analysis Batch: 473791

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	20.0	19.40		ug/L		97	74 - 122
1,2-Dichlorobenzene	20.0	20.37		ug/L		102	74 - 120
1,2-Dichloroethane	20.0	17.43		ug/L		87	68 - 125
1,2-Dichloropropane	20.0	17.80		ug/L		89	72 - 128
1,3,5-Trimethylbenzene	20.0	19.30		ug/L		96	72 - 124
1,3-Dichlorobenzene	20.0	20.41		ug/L		102	71 - 120
1,3-Dichloropropane	20.0	18.36		ug/L		92	72 - 125
1,4-Dichlorobenzene	20.0	20.58		ug/L		103	72 - 120
2,2-Dichloropropane	20.0	18.64		ug/L		93	51 - 146
2-Butanone (MEK)	40.0	37.29		ug/L		93	60 - 134
2-Chloroethyl vinyl ether	20.0	16.89		ug/L		84	50 - 150
2-Chlorotoluene	20.0	19.52		ug/L		98	73 - 121
4-Chlorotoluene	20.0	19.85		ug/L		99	72 - 121
Acetone	40.0	37.32		ug/L		93	59 - 136
Benzene	20.0	18.20		ug/L		91	71 - 125
Bromobenzene	20.0	20.59		ug/L		103	71 - 120
Bromochloromethane	20.0	18.47		ug/L		92	69 - 131
Bromodichloromethane	20.0	18.29		ug/L		91	70 - 122
Bromoform	20.0	19.56		ug/L		98	62 - 122
Carbon disulfide	20.0	19.65		ug/L		98	58 - 137
Carbon tetrachloride	20.0	19.58		ug/L		98	63 - 136
Chlorobenzene	20.0	19.71		ug/L		99	74 - 120
Chlorodibromomethane	20.0	20.08		ug/L		100	69 - 121
Chloroform	20.0	18.24		ug/L		91	72 - 122
cis-1,2-Dichloroethene	20.0	19.06		ug/L		95	72 - 123
cis-1,3-Dichloropropene	20.0	18.23		ug/L		91	72 - 123
Dibromomethane	20.0	18.78		ug/L		94	72 - 122
Ethylbenzene	20.0	20.05		ug/L		100	75 - 120
Hexachlorobutadiene	20.0	20.46		ug/L		102	67 - 127
Hexane	20.0	20.18		ug/L		101	49 - 150
Isopropylbenzene	20.0	19.74		ug/L		99	74 - 122
Methyl tert-butyl ether	20.0	17.10		ug/L		85	66 - 130
Methylene Chloride	20.0	19.67		ug/L		98	72 - 128
Naphthalene	20.0	19.09		ug/L		95	69 - 126
n-Butylbenzene	20.0	19.66		ug/L		98	70 - 130
N-Propylbenzene	20.0	19.92		ug/L		100	73 - 125
p-Isopropyltoluene	20.0	19.95		ug/L		100	72 - 127
sec-Butylbenzene	20.0	19.73		ug/L		99	72 - 127
Styrene	20.0	19.62		ug/L		98	74 - 122
tert-Butylbenzene	20.0	20.12		ug/L		101	72 - 125
Tetrachloroethene	20.0	21.69		ug/L		108	70 - 128
Toluene	20.0	19.52		ug/L		98	74 - 120
trans-1,2-Dichloroethene	20.0	19.80		ug/L		99	67 - 127
trans-1,3-Dichloropropene	20.0	17.42		ug/L		87	67 - 123
Trichloroethene	20.0	18.67		ug/L		93	70 - 128
Xylenes, Total	40.0	40.00		ug/L		100	74 - 121

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-473791/6
Matrix: Water
Analysis Batch: 473791

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*97*		*76 - 130*
Toluene-d8 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Lab Sample ID: LCS 310-473791/7
Matrix: Water
Analysis Batch: 473791

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	34.67	*+	ug/L		173	33 - 138
Chloroethane	20.0	26.17		ug/L		131	59 - 139
Chloromethane	20.0	26.40		ug/L		132	52 - 146
Dichlorodifluoromethane	20.0	26.90		ug/L		135	45 - 150
Trichlorofluoromethane	20.0	25.44		ug/L		127	55 - 150
Vinyl chloride	20.0	25.34		ug/L		127	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*100*		*76 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*

Lab Sample ID: 310-320470-E-2 MS
Matrix: Water
Analysis Batch: 473791

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<0.380		20.0	16.57		ug/L		83	55 - 121
1,1,1-Trichloroethane	<0.420		20.0	14.24		ug/L		71	53 - 130
1,1,2,2-Tetrachloroethane	<0.350		20.0	16.97		ug/L		85	55 - 123
1,1,2-Trichloroethane	<0.330		20.0	15.91		ug/L		80	60 - 121
1,1-Dichloroethane	<0.400		20.0	15.87		ug/L		79	53 - 127
1,1-Dichloroethene	<0.460		20.0	16.56		ug/L		83	51 - 134
1,1-Dichloropropene	<0.410		20.0	14.15		ug/L		71	55 - 133
1,2,3-Trichlorobenzene	<1.80		20.0	16.85		ug/L		84	54 - 127
1,2,3-Trichloropropane	<0.430		20.0	18.03		ug/L		90	56 - 122
1,2,4-Trichlorobenzene	<1.90		20.0	16.86		ug/L		84	55 - 126
1,2,4-Trimethylbenzene	<0.420		20.0	16.91		ug/L		85	51 - 125
1,2-Dibromo-3-Chloropropane	<1.20		20.0	17.75		ug/L		89	44 - 138
1,2-Dibromoethane (EDB)	<0.340		20.0	16.18		ug/L		81	60 - 122
1,2-Dichlorobenzene	<0.370		20.0	17.66		ug/L		88	60 - 120
1,2-Dichloroethane	<0.890		20.0	14.95		ug/L		75	48 - 128
1,2-Dichloropropane	<0.380		20.0	14.68		ug/L		73	59 - 128
1,3,5-Trimethylbenzene	<0.370		20.0	16.23		ug/L		81	53 - 124
1,3-Dichlorobenzene	<0.470		20.0	17.41		ug/L		87	58 - 120
1,3-Dichloropropane	<0.390		20.0	15.54		ug/L		78	58 - 125
1,4-Dichlorobenzene	<0.490		20.0	17.55		ug/L		88	58 - 120
2,2-Dichloropropane	<0.690		20.0	12.76		ug/L		64	34 - 146
2-Butanone (MEK)	<3.40		40.0	30.62		ug/L		77	46 - 134

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-320470-E-2 MS
Matrix: Water
Analysis Batch: 473791

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chloroethyl vinyl ether	<0.800	F1	20.0	<0.800	F1	ug/L		0	41 - 150
2-Chlorotoluene	<0.470		20.0	16.14		ug/L		81	54 - 121
4-Chlorotoluene	<0.290		20.0	16.73		ug/L		84	52 - 122
Acetone	<3.80		40.0	32.47		ug/L		81	39 - 141
Benzene	<0.220		20.0	14.86		ug/L		74	48 - 125
Bromobenzene	<0.490		20.0	17.05		ug/L		85	57 - 120
Bromochloromethane	<1.70		20.0	15.91		ug/L		80	55 - 131
Bromodichloromethane	<0.390		20.0	15.20		ug/L		76	53 - 122
Bromoform	<2.60		20.0	15.59		ug/L		78	47 - 122
Carbon disulfide	<0.450		20.0	16.73		ug/L		84	45 - 137
Carbon tetrachloride	<0.650		20.0	14.69		ug/L		73	45 - 136
Chlorobenzene	<0.350		20.0	16.56		ug/L		83	59 - 120
Chlorodibromomethane	<1.50		20.0	16.37		ug/L		82	53 - 121
Chloroform	<1.30		20.0	15.30		ug/L		77	52 - 122
cis-1,2-Dichloroethene	<0.550		20.0	16.44		ug/L		82	51 - 123
cis-1,3-Dichloropropene	<1.20		20.0	14.37		ug/L		72	55 - 123
Dibromomethane	<0.330		20.0	16.15		ug/L		81	57 - 122
Ethylbenzene	<0.420		20.0	16.64		ug/L		83	53 - 120
Hexachlorobutadiene	<1.40		20.0	16.99		ug/L		85	36 - 127
Hexane	<0.780		20.0	14.30		ug/L		71	30 - 150
Isopropylbenzene	<0.350		20.0	16.06		ug/L		80	51 - 122
Methyl tert-butyl ether	<0.300		20.0	13.80		ug/L		69	50 - 130
Methylene Chloride	<1.70		20.0	16.85		ug/L		84	59 - 128
Naphthalene	<1.80		20.0	16.01		ug/L		80	45 - 144
n-Butylbenzene	<0.440		20.0	15.68		ug/L		78	46 - 130
N-Propylbenzene	<0.390		20.0	16.08		ug/L		80	50 - 125
p-Isopropyltoluene	<0.330		20.0	16.40		ug/L		82	55 - 127
sec-Butylbenzene	<0.440		20.0	16.34		ug/L		82	53 - 127
Styrene	<0.370		20.0	16.38		ug/L		82	50 - 125
tert-Butylbenzene	<0.380		20.0	16.81		ug/L		84	57 - 125
Tetrachloroethene	<0.480		20.0	16.81		ug/L		84	51 - 128
Toluene	<0.430		20.0	16.26		ug/L		81	52 - 120
trans-1,2-Dichloroethene	<0.410		20.0	16.26		ug/L		81	53 - 127
trans-1,3-Dichloropropene	<2.30		20.0	13.83		ug/L		69	50 - 123
Trichloroethene	<0.350		20.0	14.80		ug/L		74	50 - 128
Xylenes, Total	<1.10		40.0	33.02		ug/L		83	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*76 - 130*
Toluene-d8 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*

Lab Sample ID: 310-320470-E-2 MSD
Matrix: Water
Analysis Batch: 473791

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.380		20.0	15.36		ug/L		77	55 - 121	8	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-320470-E-2 MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 473791

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	<0.420		20.0	13.73		ug/L		69	53 - 130	4	20
1,1,2,2-Tetrachloroethane	<0.350		20.0	16.31		ug/L		82	55 - 123	4	20
1,1,2-Trichloroethane	<0.330		20.0	15.19		ug/L		76	60 - 121	5	20
1,1-Dichloroethane	<0.400		20.0	15.39		ug/L		77	53 - 127	3	20
1,1-Dichloroethene	<0.460		20.0	16.12		ug/L		81	51 - 134	3	20
1,1-Dichloropropene	<0.410		20.0	13.20		ug/L		66	55 - 133	7	20
1,2,3-Trichlorobenzene	<1.80		20.0	18.09		ug/L		90	54 - 127	7	24
1,2,3-Trichloropropane	<0.430		20.0	17.49		ug/L		87	56 - 122	3	21
1,2,4-Trichlorobenzene	<1.90		20.0	17.87		ug/L		89	55 - 126	6	20
1,2,4-Trimethylbenzene	<0.420		20.0	16.91		ug/L		85	51 - 125	0	20
1,2-Dibromo-3-Chloropropane	<1.20		20.0	18.25		ug/L		91	44 - 138	3	24
1,2-Dibromoethane (EDB)	<0.340		20.0	15.70		ug/L		78	60 - 122	3	20
1,2-Dichlorobenzene	<0.370		20.0	17.22		ug/L		86	60 - 120	3	20
1,2-Dichloroethane	<0.890		20.0	14.64		ug/L		73	48 - 128	2	20
1,2-Dichloropropane	<0.380		20.0	14.20		ug/L		71	59 - 128	3	20
1,3,5-Trimethylbenzene	<0.370		20.0	16.31		ug/L		82	53 - 124	0	20
1,3-Dichlorobenzene	<0.470		20.0	17.28		ug/L		86	58 - 120	1	20
1,3-Dichloropropane	<0.390		20.0	14.77		ug/L		74	58 - 125	5	20
1,4-Dichlorobenzene	<0.490		20.0	17.30		ug/L		87	58 - 120	1	20
2,2-Dichloropropane	<0.690		20.0	12.08		ug/L		60	34 - 146	5	20
2-Butanone (MEK)	<3.40		40.0	30.24		ug/L		76	46 - 134	1	23
2-Chloroethyl vinyl ether	<0.800	F1	20.0	<0.800	F1	ug/L		0	41 - 150	NC	20
2-Chlorotoluene	<0.470		20.0	15.91		ug/L		80	54 - 121	1	23
4-Chlorotoluene	<0.290		20.0	16.22		ug/L		81	52 - 122	3	20
Acetone	<3.80		40.0	32.96		ug/L		82	39 - 141	1	23
Benzene	<0.220		20.0	14.16		ug/L		71	48 - 125	5	20
Bromobenzene	<0.490		20.0	16.72		ug/L		84	57 - 120	2	20
Bromochloromethane	<1.70		20.0	15.65		ug/L		78	55 - 131	2	21
Bromodichloromethane	<0.390		20.0	14.72		ug/L		74	53 - 122	3	20
Bromoform	<2.60		20.0	14.98		ug/L		75	47 - 122	4	20
Carbon disulfide	<0.450		20.0	15.01		ug/L		75	45 - 137	11	24
Carbon tetrachloride	<0.650		20.0	14.04		ug/L		70	45 - 136	5	20
Chlorobenzene	<0.350		20.0	16.19		ug/L		81	59 - 120	2	20
Chlorodibromomethane	<1.50		20.0	15.47		ug/L		77	53 - 121	6	20
Chloroform	<1.30		20.0	14.54		ug/L		73	52 - 122	5	20
cis-1,2-Dichloroethene	<0.550		20.0	15.66		ug/L		78	51 - 123	5	20
cis-1,3-Dichloropropene	<1.20		20.0	13.50		ug/L		67	55 - 123	6	20
Dibromomethane	<0.330		20.0	15.59		ug/L		78	57 - 122	4	20
Ethylbenzene	<0.420		20.0	15.88		ug/L		79	53 - 120	5	20
Hexachlorobutadiene	<1.40		20.0	16.59		ug/L		83	36 - 127	2	30
Hexane	<0.780		20.0	14.63		ug/L		73	30 - 150	2	20
Isopropylbenzene	<0.350		20.0	15.87		ug/L		79	51 - 122	1	20
Methyl tert-butyl ether	<0.300		20.0	13.01		ug/L		65	50 - 130	6	20
Methylene Chloride	<1.70		20.0	16.60		ug/L		83	59 - 128	2	20
Naphthalene	<1.80		20.0	16.85		ug/L		84	45 - 144	5	32
n-Butylbenzene	<0.440		20.0	16.59		ug/L		83	46 - 130	6	27
N-Propylbenzene	<0.390		20.0	16.15		ug/L		81	50 - 125	0	20
p-Isopropyltoluene	<0.330		20.0	17.06		ug/L		85	55 - 127	4	20
sec-Butylbenzene	<0.440		20.0	17.20		ug/L		86	53 - 127	5	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-320470-E-2 MSD
Matrix: Water
Analysis Batch: 473791

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Styrene	<0.370		20.0	16.00		ug/L		80	50 - 125	2	20
tert-Butylbenzene	<0.380		20.0	16.90		ug/L		84	57 - 125	0	20
Tetrachloroethene	<0.480		20.0	16.16		ug/L		81	51 - 128	4	20
Toluene	<0.430		20.0	15.49		ug/L		77	52 - 120	5	20
trans-1,2-Dichloroethene	<0.410		20.0	15.37		ug/L		77	53 - 127	6	20
trans-1,3-Dichloropropene	<2.30		20.0	13.06		ug/L		65	50 - 123	6	20
Trichloroethene	<0.350		20.0	13.40		ug/L		67	50 - 128	10	20
Xylenes, Total	<1.10		40.0	31.80		ug/L		80	50 - 122	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*102*		*76 - 130*
Toluene-d8 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 310-473723/1-A
Matrix: Water
Analysis Batch: 473905

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 473723

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.640		10.0	0.640	ug/L		11/17/25 07:50	11/18/25 19:08	1
Acenaphthylene	<0.720		10.0	0.720	ug/L		11/17/25 07:50	11/18/25 19:08	1
Acetophenone	<0.690		10.0	0.690	ug/L		11/17/25 07:50	11/18/25 19:08	1
Anthracene	<0.870		10.0	0.870	ug/L		11/17/25 07:50	11/18/25 19:08	1
Benzo[a]anthracene	<0.850		10.0	0.850	ug/L		11/17/25 07:50	11/18/25 19:08	1
Benzo[a]pyrene	<8.10		10.0	8.10	ug/L		11/17/25 07:50	11/18/25 19:08	1
Benzo[b]fluoranthene	<4.90		10.0	4.90	ug/L		11/17/25 07:50	11/18/25 19:08	1
Benzo[g,h,i]perylene	<6.30		10.0	6.30	ug/L		11/17/25 07:50	11/18/25 19:08	1
Benzoic acid	<17.0		100	17.0	ug/L		11/17/25 07:50	11/18/25 19:08	1
Benzo[k]fluoranthene	<2.20		10.0	2.20	ug/L		11/17/25 07:50	11/18/25 19:08	1
Benzyl alcohol	<1.30		10.0	1.30	ug/L		11/17/25 07:50	11/18/25 19:08	1
Bis(2-chloroethoxy)methane	<0.760		10.0	0.760	ug/L		11/17/25 07:50	11/18/25 19:08	1
Bis(2-chloroethyl)ether	<0.820		10.0	0.820	ug/L		11/17/25 07:50	11/18/25 19:08	1
bis (2-chloroisopropyl) ether	<0.540		10.0	0.540	ug/L		11/17/25 07:50	11/18/25 19:08	1
Bis(2-ethylhexyl) phthalate	<5.50		10.0	5.50	ug/L		11/17/25 07:50	11/18/25 19:08	1
4-Bromophenyl phenyl ether	<0.700		10.0	0.700	ug/L		11/17/25 07:50	11/18/25 19:08	1
Butyl benzyl phthalate	<5.40		10.0	5.40	ug/L		11/17/25 07:50	11/18/25 19:08	1
4-Chloroaniline	<0.620		10.0	0.620	ug/L		11/17/25 07:50	11/18/25 19:08	1
4-Chloro-3-methylphenol	<0.840		10.0	0.840	ug/L		11/17/25 07:50	11/18/25 19:08	1
2-Chloronaphthalene	<0.640		10.0	0.640	ug/L		11/17/25 07:50	11/18/25 19:08	1
2-Chlorophenol	<0.540		10.0	0.540	ug/L		11/17/25 07:50	11/18/25 19:08	1
4-Chlorophenyl phenyl ether	<0.690		10.0	0.690	ug/L		11/17/25 07:50	11/18/25 19:08	1
Chrysene	<0.870		10.0	0.870	ug/L		11/17/25 07:50	11/18/25 19:08	1
Dibenzo(a,h)anthracene	<3.90		10.0	3.90	ug/L		11/17/25 07:50	11/18/25 19:08	1
Dibenzofuran	<0.740		10.0	0.740	ug/L		11/17/25 07:50	11/18/25 19:08	1
3,3'-Dichlorobenzidine	<1.40		10.0	1.40	ug/L		11/17/25 07:50	11/18/25 19:08	1
2,4-Dichlorophenol	<0.850		10.0	0.850	ug/L		11/17/25 07:50	11/18/25 19:08	1
2,6-Dichlorophenol	<0.690		10.0	0.690	ug/L		11/17/25 07:50	11/18/25 19:08	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-473723/1-A
Matrix: Water
Analysis Batch: 473905

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 473723

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	<1.70		10.0	1.70	ug/L		11/17/25 07:50	11/18/25 19:08	1
2,4-Dimethylphenol	<0.580		10.0	0.580	ug/L		11/17/25 07:50	11/18/25 19:08	1
Dimethyl phthalate	<1.00		10.0	1.00	ug/L		11/17/25 07:50	11/18/25 19:08	1
Di-n-butyl phthalate	<5.60		10.0	5.60	ug/L		11/17/25 07:50	11/18/25 19:08	1
1,3-Dinitrobenzene	<3.20		10.0	3.20	ug/L		11/17/25 07:50	11/18/25 19:08	1
4,6-Dinitro-2-methylphenol	<6.90		10.0	6.90	ug/L		11/17/25 07:50	11/18/25 19:08	1
2,4-Dinitrophenol	<13.0		20.0	13.0	ug/L		11/17/25 07:50	11/18/25 19:08	1
2,4-Dinitrotoluene	<6.40		10.0	6.40	ug/L		11/17/25 07:50	11/18/25 19:08	1
2,6-Dinitrotoluene	<0.520		10.0	0.520	ug/L		11/17/25 07:50	11/18/25 19:08	1
Di-n-octyl phthalate	<7.00		20.0	7.00	ug/L		11/17/25 07:50	11/18/25 19:08	1
Diphenylamine	<6.00		10.0	6.00	ug/L		11/17/25 07:50	11/18/25 19:08	1
Fluoranthene	<1.70		10.0	1.70	ug/L		11/17/25 07:50	11/18/25 19:08	1
Fluorene	<0.790		10.0	0.790	ug/L		11/17/25 07:50	11/18/25 19:08	1
Hexachlorobenzene	<0.700		10.0	0.700	ug/L		11/17/25 07:50	11/18/25 19:08	1
Hexachlorobutadiene	<0.860		10.0	0.860	ug/L		11/17/25 07:50	11/18/25 19:08	1
Hexachlorocyclopentadiene	<5.10		10.0	5.10	ug/L		11/17/25 07:50	11/18/25 19:08	1
Hexachloroethane	<0.970		10.0	0.970	ug/L		11/17/25 07:50	11/18/25 19:08	1
Indeno[1,2,3-cd]pyrene	<4.20		10.0	4.20	ug/L		11/17/25 07:50	11/18/25 19:08	1
Isophorone	<0.930		10.0	0.930	ug/L		11/17/25 07:50	11/18/25 19:08	1
2-Methylnaphthalene	<0.590		10.0	0.590	ug/L		11/17/25 07:50	11/18/25 19:08	1
2-Methylphenol	<0.650		10.0	0.650	ug/L		11/17/25 07:50	11/18/25 19:08	1
Methylphenol, 3 & 4	<0.700		10.0	0.700	ug/L		11/17/25 07:50	11/18/25 19:08	1
2-Nitroaniline	<5.90		10.0	5.90	ug/L		11/17/25 07:50	11/18/25 19:08	1
3-Nitroaniline	<2.70		10.0	2.70	ug/L		11/17/25 07:50	11/18/25 19:08	1
4-Nitroaniline	<1.30		10.0	1.30	ug/L		11/17/25 07:50	11/18/25 19:08	1
Nitrobenzene	<0.800		10.0	0.800	ug/L		11/17/25 07:50	11/18/25 19:08	1
2-Nitrophenol	<6.80		10.0	6.80	ug/L		11/17/25 07:50	11/18/25 19:08	1
4-Nitrophenol	<7.60		10.0	7.60	ug/L		11/17/25 07:50	11/18/25 19:08	1
N-Nitrosodimethylamine	<0.720		10.0	0.720	ug/L		11/17/25 07:50	11/18/25 19:08	1
N-Nitrosodi-n-propylamine	<0.920		10.0	0.920	ug/L		11/17/25 07:50	11/18/25 19:08	1
N-Nitrosodiphenylamine	<0.750		10.0	0.750	ug/L		11/17/25 07:50	11/18/25 19:08	1
Pentachlorophenol	<9.60		10.0	9.60	ug/L		11/17/25 07:50	11/18/25 19:08	1
Phenanthrene	<0.790		10.0	0.790	ug/L		11/17/25 07:50	11/18/25 19:08	1
Phenol	<1.10		10.0	1.10	ug/L		11/17/25 07:50	11/18/25 19:08	1
Pyrene	<0.790		10.0	0.790	ug/L		11/17/25 07:50	11/18/25 19:08	1
Pyridine	<1.60		10.0	1.60	ug/L		11/17/25 07:50	11/18/25 19:08	1
1,2,4,5-Tetrachlorobenzene	<0.540		10.0	0.540	ug/L		11/17/25 07:50	11/18/25 19:08	1
2,3,4,6-Tetrachlorophenol	<5.30		10.0	5.30	ug/L		11/17/25 07:50	11/18/25 19:08	1
2,4,5-Trichlorophenol	<5.30		10.0	5.30	ug/L		11/17/25 07:50	11/18/25 19:08	1
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		11/17/25 07:50	11/18/25 19:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*82*		*33 - 126*	*11/17/25 07:50*	*11/18/25 19:08*	*1*
2-Fluorophenol (Surr)	*72*		*21 - 110*	*11/17/25 07:50*	*11/18/25 19:08*	*1*
Nitrobenzene-d5 (Surr)	*89*		*39 - 140*	*11/17/25 07:50*	*11/18/25 19:08*	*1*
Phenol-d5 (Surr)	*60*		*21 - 110*	*11/17/25 07:50*	*11/18/25 19:08*	*1*
Terphenyl-d14 (Surr)	*77*		*13 - 150*	*11/17/25 07:50*	*11/18/25 19:08*	*1*
2,4,6-Tribromophenol (Surr)	*91*		*20 - 144*	*11/17/25 07:50*	*11/18/25 19:08*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-473723/1-A
Matrix: Water
Analysis Batch: 474293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 473723

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.640		10.0	0.640	ug/L		11/17/25 07:50	11/20/25 21:53	1
Acenaphthylene	<0.720		10.0	0.720	ug/L		11/17/25 07:50	11/20/25 21:53	1
Acetophenone	<0.690		10.0	0.690	ug/L		11/17/25 07:50	11/20/25 21:53	1
2-Acetylaminofluorene	<2.70		10.0	2.70	ug/L		11/17/25 07:50	11/20/25 21:53	1
4-Aminobiphenyl	<2.20		10.0	2.20	ug/L		11/17/25 07:50	11/20/25 21:53	1
Anthracene	<0.870		10.0	0.870	ug/L		11/17/25 07:50	11/20/25 21:53	1
Benzo[a]anthracene	<0.850		10.0	0.850	ug/L		11/17/25 07:50	11/20/25 21:53	1
Benzo[a]pyrene	<8.10		10.0	8.10	ug/L		11/17/25 07:50	11/20/25 21:53	1
Benzo[b]fluoranthene	<4.90		10.0	4.90	ug/L		11/17/25 07:50	11/20/25 21:53	1
Benzo[g,h,i]perylene	<6.30		10.0	6.30	ug/L		11/17/25 07:50	11/20/25 21:53	1
Benzoic acid	<17.0		100	17.0	ug/L		11/17/25 07:50	11/20/25 21:53	1
Benzo[k]fluoranthene	<2.20		10.0	2.20	ug/L		11/17/25 07:50	11/20/25 21:53	1
Benzyl alcohol	<1.30		10.0	1.30	ug/L		11/17/25 07:50	11/20/25 21:53	1
Bis(2-chloroethoxy)methane	<0.760		10.0	0.760	ug/L		11/17/25 07:50	11/20/25 21:53	1
Bis(2-chloroethyl)ether	<0.820		10.0	0.820	ug/L		11/17/25 07:50	11/20/25 21:53	1
bis (2-chloroisopropyl) ether	<0.540		10.0	0.540	ug/L		11/17/25 07:50	11/20/25 21:53	1
Bis(2-ethylhexyl) phthalate	<5.50		10.0	5.50	ug/L		11/17/25 07:50	11/20/25 21:53	1
4-Bromophenyl phenyl ether	<0.700		10.0	0.700	ug/L		11/17/25 07:50	11/20/25 21:53	1
Butyl benzyl phthalate	<5.40		10.0	5.40	ug/L		11/17/25 07:50	11/20/25 21:53	1
4-Chloroaniline	<0.620		10.0	0.620	ug/L		11/17/25 07:50	11/20/25 21:53	1
Chlorobenzilate	<3.60		10.0	3.60	ug/L		11/17/25 07:50	11/20/25 21:53	1
4-Chloro-3-methylphenol	<0.840		10.0	0.840	ug/L		11/17/25 07:50	11/20/25 21:53	1
2-Chloronaphthalene	<0.640		10.0	0.640	ug/L		11/17/25 07:50	11/20/25 21:53	1
2-Chlorophenol	<0.540		10.0	0.540	ug/L		11/17/25 07:50	11/20/25 21:53	1
4-Chlorophenyl phenyl ether	<0.690		10.0	0.690	ug/L		11/17/25 07:50	11/20/25 21:53	1
Chrysene	<0.870		10.0	0.870	ug/L		11/17/25 07:50	11/20/25 21:53	1
Diallate	<4.00		10.0	4.00	ug/L		11/17/25 07:50	11/20/25 21:53	1
Dibenzo(a,h)anthracene	<3.90		10.0	3.90	ug/L		11/17/25 07:50	11/20/25 21:53	1
Dibenzofuran	<0.740		10.0	0.740	ug/L		11/17/25 07:50	11/20/25 21:53	1
3,3'-Dichlorobenzidine	<1.40		10.0	1.40	ug/L		11/17/25 07:50	11/20/25 21:53	1
2,4-Dichlorophenol	<0.850		10.0	0.850	ug/L		11/17/25 07:50	11/20/25 21:53	1
2,6-Dichlorophenol	<0.690		10.0	0.690	ug/L		11/17/25 07:50	11/20/25 21:53	1
Diethyl phthalate	<1.70		10.0	1.70	ug/L		11/17/25 07:50	11/20/25 21:53	1
Dimethoate	<3.60		10.0	3.60	ug/L		11/17/25 07:50	11/20/25 21:53	1
7,12-Dimethylbenz(a)anthracene	<1.90		10.0	1.90	ug/L		11/17/25 07:50	11/20/25 21:53	1
3,3'-Dimethylbenzidine	<1.50		10.0	1.50	ug/L		11/17/25 07:50	11/20/25 21:53	1
2,4-Dimethylphenol	<0.580		10.0	0.580	ug/L		11/17/25 07:50	11/20/25 21:53	1
Dimethyl phthalate	<1.00		10.0	1.00	ug/L		11/17/25 07:50	11/20/25 21:53	1
Di-n-butyl phthalate	<5.60		10.0	5.60	ug/L		11/17/25 07:50	11/20/25 21:53	1
1,3-Dinitrobenzene	<3.20		10.0	3.20	ug/L		11/17/25 07:50	11/20/25 21:53	1
4,6-Dinitro-2-methylphenol	<6.90		10.0	6.90	ug/L		11/17/25 07:50	11/20/25 21:53	1
2,4-Dinitrophenol	<13.0		20.0	13.0	ug/L		11/17/25 07:50	11/20/25 21:53	1
2,4-Dinitrotoluene	<6.40		10.0	6.40	ug/L		11/17/25 07:50	11/20/25 21:53	1
2,6-Dinitrotoluene	<0.520		10.0	0.520	ug/L		11/17/25 07:50	11/20/25 21:53	1
Di-n-octyl phthalate	<7.00		20.0	7.00	ug/L		11/17/25 07:50	11/20/25 21:53	1
Dinoseb	<2.40		10.0	2.40	ug/L		11/17/25 07:50	11/20/25 21:53	1
Diphenylamine	<6.00		10.0	6.00	ug/L		11/17/25 07:50	11/20/25 21:53	1
Disulfoton	<2.40		10.0	2.40	ug/L		11/17/25 07:50	11/20/25 21:53	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-473723/1-A
Matrix: Water
Analysis Batch: 474293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 473723

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl methanesulfonate	<3.60		10.0	3.60	ug/L		11/17/25 07:50	11/20/25 21:53	1
Ethyl Parathion	<2.20		10.0	2.20	ug/L		11/17/25 07:50	11/20/25 21:53	1
Famphur	<3.80		10.0	3.80	ug/L		11/17/25 07:50	11/20/25 21:53	1
Fluoranthene	<1.70		10.0	1.70	ug/L		11/17/25 07:50	11/20/25 21:53	1
Fluorene	<0.790		10.0	0.790	ug/L		11/17/25 07:50	11/20/25 21:53	1
Hexachlorobenzene	<0.700		10.0	0.700	ug/L		11/17/25 07:50	11/20/25 21:53	1
Hexachlorobutadiene	<0.860		10.0	0.860	ug/L		11/17/25 07:50	11/20/25 21:53	1
Hexachlorocyclopentadiene	<5.10		10.0	5.10	ug/L		11/17/25 07:50	11/20/25 21:53	1
Hexachloroethane	<0.970		10.0	0.970	ug/L		11/17/25 07:50	11/20/25 21:53	1
Hexachloropropene	<2.60		10.0	2.60	ug/L		11/17/25 07:50	11/20/25 21:53	1
Indeno[1,2,3-cd]pyrene	<4.20		10.0	4.20	ug/L		11/17/25 07:50	11/20/25 21:53	1
Isodrin	<4.70		10.0	4.70	ug/L		11/17/25 07:50	11/20/25 21:53	1
Isophorone	<0.930		10.0	0.930	ug/L		11/17/25 07:50	11/20/25 21:53	1
Isosafrole	<2.30		10.0	2.30	ug/L		11/17/25 07:50	11/20/25 21:53	1
Kepone	<1.00		10.0	1.00	ug/L		11/17/25 07:50	11/20/25 21:53	1
Methapyrilene	<0.760		10.0	0.760	ug/L		11/17/25 07:50	11/20/25 21:53	1
3-Methylcholanthrene	<0.320		10.0	0.320	ug/L		11/17/25 07:50	11/20/25 21:53	1
Methyl methanesulfonate	<3.30		10.0	3.30	ug/L		11/17/25 07:50	11/20/25 21:53	1
2-Methylnaphthalene	<0.590		10.0	0.590	ug/L		11/17/25 07:50	11/20/25 21:53	1
Methyl parathion	<2.30		10.0	2.30	ug/L		11/17/25 07:50	11/20/25 21:53	1
2-Methylphenol	<0.650		10.0	0.650	ug/L		11/17/25 07:50	11/20/25 21:53	1
Methylphenol, 3 & 4	<0.700		10.0	0.700	ug/L		11/17/25 07:50	11/20/25 21:53	1
1,4-Naphthoquinone	<3.60		10.0	3.60	ug/L		11/17/25 07:50	11/20/25 21:53	1
1-Naphthylamine	<2.50		10.0	2.50	ug/L		11/17/25 07:50	11/20/25 21:53	1
2-Naphthylamine	<2.10		10.0	2.10	ug/L		11/17/25 07:50	11/20/25 21:53	1
2-Nitroaniline	<5.90		10.0	5.90	ug/L		11/17/25 07:50	11/20/25 21:53	1
3-Nitroaniline	<2.70		10.0	2.70	ug/L		11/17/25 07:50	11/20/25 21:53	1
4-Nitroaniline	<1.30		10.0	1.30	ug/L		11/17/25 07:50	11/20/25 21:53	1
Nitrobenzene	<0.800		10.0	0.800	ug/L		11/17/25 07:50	11/20/25 21:53	1
5-Nitro-o-toluidine	<2.80		10.0	2.80	ug/L		11/17/25 07:50	11/20/25 21:53	1
2-Nitrophenol	<6.80		10.0	6.80	ug/L		11/17/25 07:50	11/20/25 21:53	1
4-Nitrophenol	<7.60		10.0	7.60	ug/L		11/17/25 07:50	11/20/25 21:53	1
N-Nitrosodiethylamine	<3.40		10.0	3.40	ug/L		11/17/25 07:50	11/20/25 21:53	1
N-Nitrosodimethylamine	<0.720		10.0	0.720	ug/L		11/17/25 07:50	11/20/25 21:53	1
N-Nitrosodi-n-butylamine	<3.90		10.0	3.90	ug/L		11/17/25 07:50	11/20/25 21:53	1
N-Nitrosodi-n-propylamine	<0.920		10.0	0.920	ug/L		11/17/25 07:50	11/20/25 21:53	1
N-Nitrosodiphenylamine	<0.750		10.0	0.750	ug/L		11/17/25 07:50	11/20/25 21:53	1
N-Nitrosomethylethylamine	<4.90		10.0	4.90	ug/L		11/17/25 07:50	11/20/25 21:53	1
N-Nitrosopiperidine	<2.70		10.0	2.70	ug/L		11/17/25 07:50	11/20/25 21:53	1
N-Nitrosopyrrolidine	<3.60		10.0	3.60	ug/L		11/17/25 07:50	11/20/25 21:53	1
o,o',o''-Triethylphosphorothioate	<3.20		10.0	3.20	ug/L		11/17/25 07:50	11/20/25 21:53	1
o-Toluidine	<2.90		10.0	2.90	ug/L		11/17/25 07:50	11/20/25 21:53	1
p-Dimethylamino azobenzene	<2.20		10.0	2.20	ug/L		11/17/25 07:50	11/20/25 21:53	1
Pentachlorobenzene	<2.80		10.0	2.80	ug/L		11/17/25 07:50	11/20/25 21:53	1
Pentachloronitrobenzene	<5.80		10.0	5.80	ug/L		11/17/25 07:50	11/20/25 21:53	1
Pentachlorophenol	<9.60		10.0	9.60	ug/L		11/17/25 07:50	11/20/25 21:53	1
Phenacetin	<1.90		10.0	1.90	ug/L		11/17/25 07:50	11/20/25 21:53	1
Phenanthrene	<0.790		10.0	0.790	ug/L		11/17/25 07:50	11/20/25 21:53	1
Phenol	<1.10		10.0	1.10	ug/L		11/17/25 07:50	11/20/25 21:53	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-473723/1-A
Matrix: Water
Analysis Batch: 474293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 473723

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-phenylenediamine	<1.90		10.0	1.90	ug/L		11/17/25 07:50	11/20/25 21:53	1
Phorate	<3.20		10.0	3.20	ug/L		11/17/25 07:50	11/20/25 21:53	1
Pronamide	<2.70		10.0	2.70	ug/L		11/17/25 07:50	11/20/25 21:53	1
Pyrene	<0.790		10.0	0.790	ug/L		11/17/25 07:50	11/20/25 21:53	1
Pyridine	<1.60		10.0	1.60	ug/L		11/17/25 07:50	11/20/25 21:53	1
Safrole	<2.80		10.0	2.80	ug/L		11/17/25 07:50	11/20/25 21:53	1
1,2,4,5-Tetrachlorobenzene	<0.540		10.0	0.540	ug/L		11/17/25 07:50	11/20/25 21:53	1
2,3,4,6-Tetrachlorophenol	<5.30		10.0	5.30	ug/L		11/17/25 07:50	11/20/25 21:53	1
Thionazin	<3.50		10.0	3.50	ug/L		11/17/25 07:50	11/20/25 21:53	1
2,4,5-Trichlorophenol	<5.30		10.0	5.30	ug/L		11/17/25 07:50	11/20/25 21:53	1
2,4,6-Trichlorophenol	<5.00		10.0	5.00	ug/L		11/17/25 07:50	11/20/25 21:53	1
1,3,5-Trinitrobenzene	<2.30		10.0	2.30	ug/L		11/17/25 07:50	11/20/25 21:53	1

Lab Sample ID: LCS 310-473723/2-A
Matrix: Water
Analysis Batch: 473905

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 473723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	100	76.89		ug/L		77	38 - 118
Acenaphthylene	100	79.07		ug/L		79	39 - 115
Acetophenone	100	72.86		ug/L		73	47 - 118
Anthracene	100	86.54		ug/L		87	49 - 127
Benzo[a]anthracene	100	85.53		ug/L		86	49 - 126
Benzo[a]pyrene	100	93.81		ug/L		94	44 - 133
Benzo[b]fluoranthene	100	94.02		ug/L		94	44 - 136
Benzo[g,h,i]perylene	100	101.2		ug/L		101	42 - 135
Benzo[k]fluoranthene	100	89.12		ug/L		89	49 - 134
Benzyl alcohol	100	74.60		ug/L		75	46 - 123
Bis(2-chloroethoxy)methane	100	81.46		ug/L		81	44 - 126
Bis(2-chloroethyl)ether	100	69.35		ug/L		69	41 - 116
bis (2-chloroisopropyl) ether	100	65.03		ug/L		65	36 - 115
Bis(2-ethylhexyl) phthalate	100	75.65		ug/L		76	46 - 138
4-Bromophenyl phenyl ether	100	87.96		ug/L		88	41 - 131
Butyl benzyl phthalate	100	81.55		ug/L		82	47 - 133
4-Chloroaniline	100	80.86		ug/L		81	13 - 143
4-Chloro-3-methylphenol	100	82.20		ug/L		82	51 - 132
2-Chloronaphthalene	100	78.46		ug/L		78	33 - 112
2-Chlorophenol	100	76.40		ug/L		76	43 - 119
4-Chlorophenyl phenyl ether	100	74.43		ug/L		74	44 - 118
Chrysene	100	90.27		ug/L		90	50 - 128
Dibenzo(a,h)anthracene	100	105.1		ug/L		105	36 - 146
Dibenzofuran	100	78.47		ug/L		78	44 - 114
2,4-Dichlorophenol	100	89.67		ug/L		90	44 - 131
2,6-Dichlorophenol	100	88.79		ug/L		89	41 - 131
Diethyl phthalate	100	75.91		ug/L		76	43 - 135
2,4-Dimethylphenol	100	80.01		ug/L		80	30 - 128
Dimethyl phthalate	100	80.35		ug/L		80	46 - 129
Di-n-butyl phthalate	100	80.24		ug/L		80	49 - 138
1,3-Dinitrobenzene	100	89.56		ug/L		90	36 - 147

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-473723/2-A
Matrix: Water
Analysis Batch: 473905

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 473723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	200	204.8		ug/L		102	22 - 150
2,4-Dinitrophenol	200	158.5		ug/L		79	10 - 150
2,4-Dinitrotoluene	100	88.84		ug/L		89	48 - 136
2,6-Dinitrotoluene	100	92.17		ug/L		92	49 - 135
Di-n-octyl phthalate	100	72.11		ug/L		72	33 - 148
Fluoranthene	100	86.54		ug/L		87	49 - 132
Fluorene	100	78.47		ug/L		78	46 - 118
Hexachlorobenzene	100	90.71		ug/L		91	42 - 134
Hexachlorobutadiene	100	69.25		ug/L		69	29 - 110
Hexachlorocyclopentadiene	100	57.16		ug/L		57	10 - 110
Hexachloroethane	100	57.02		ug/L		57	25 - 110
Indeno[1,2,3-cd]pyrene	100	100.1		ug/L		100	36 - 149
Isophorone	100	83.03		ug/L		83	46 - 126
2-Methylnaphthalene	100	69.10		ug/L		69	35 - 110
2-Methylphenol	100	75.86		ug/L		76	47 - 114
Methylphenol, 3 & 4	100	71.72		ug/L		72	45 - 114
2-Nitroaniline	100	87.21		ug/L		87	48 - 135
3-Nitroaniline	100	89.52		ug/L		90	38 - 142
4-Nitroaniline	100	80.54		ug/L		81	33 - 141
Nitrobenzene	100	83.44		ug/L		83	42 - 123
2-Nitrophenol	100	100.2		ug/L		100	36 - 144
4-Nitrophenol	200	99.11		ug/L		50	22 - 110
N-Nitrosodimethylamine	100	64.60		ug/L		65	37 - 110
N-Nitrosodi-n-propylamine	100	74.01		ug/L		74	44 - 124
N-Nitrosodiphenylamine	100	88.14		ug/L		88	43 - 132
Pentachlorophenol	200	151.3		ug/L		76	28 - 142
Phenanthrene	100	85.98		ug/L		86	48 - 126
Phenol	100	54.92		ug/L		55	29 - 110
Pyrene	100	87.04		ug/L		87	45 - 134
Pyridine	200	38.22		ug/L		19	10 - 110
1,2,4,5-Tetrachlorobenzene	100	71.10		ug/L		71	35 - 110
2,3,4,6-Tetrachlorophenol	100	92.90		ug/L		93	32 - 142
2,4,5-Trichlorophenol	100	88.06		ug/L		88	39 - 136
2,4,6-Trichlorophenol	100	93.78		ug/L		94	35 - 141

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*84*		*33 - 126*
2-Fluorophenol (Surr)	*72*		*21 - 110*
Nitrobenzene-d5 (Surr)	*88*		*39 - 140*
Phenol-d5 (Surr)	*58*		*21 - 110*
Terphenyl-d14 (Surr)	*77*		*13 - 150*
2,4,6-Tribromophenol (Surr)	*100*		*20 - 144*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-473723/2-A
Matrix: Water
Analysis Batch: 474293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 473723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	100	78.83		ug/L		79	38 - 118
Acenaphthylene	100	77.04		ug/L		77	39 - 115
Acetophenone	100	71.88		ug/L		72	47 - 118
2-Acetylaminofluorene	51.2	30.67		ug/L		60	37 - 149
4-Aminobiphenyl	51.2	28.87		ug/L		56	23 - 123
Anthracene	100	90.51		ug/L		91	49 - 127
Benzo[a]anthracene	100	84.41		ug/L		84	49 - 126
Benzo[a]pyrene	100	66.76		ug/L		67	44 - 133
Benzo[b]fluoranthene	100	76.77		ug/L		77	44 - 136
Benzo[g,h,i]perylene	100	70.36		ug/L		70	42 - 135
Benzo[k]fluoranthene	100	84.39		ug/L		84	49 - 134
Benzyl alcohol	100	69.33		ug/L		69	46 - 123
Bis(2-chloroethoxy)methane	100	79.09		ug/L		79	44 - 126
Bis(2-chloroethyl)ether	100	68.96		ug/L		69	41 - 116
bis (2-chloroisopropyl) ether	100	63.66		ug/L		64	36 - 115
Bis(2-ethylhexyl) phthalate	100	53.58		ug/L		54	46 - 138
4-Bromophenyl phenyl ether	100	91.34		ug/L		91	41 - 131
Butyl benzyl phthalate	100	74.28		ug/L		74	47 - 133
4-Chloroaniline	100	73.68		ug/L		74	13 - 143
Chlorobenzilate	51.2	42.37		ug/L		83	39 - 145
4-Chloro-3-methylphenol	100	79.54		ug/L		80	51 - 132
2-Chloronaphthalene	100	68.50		ug/L		69	33 - 112
2-Chlorophenol	100	71.47		ug/L		71	43 - 119
4-Chlorophenyl phenyl ether	100	76.68		ug/L		77	44 - 118
Chrysene	100	88.79		ug/L		89	50 - 128
Diallate	44.8	42.75		ug/L		95	40 - 135
Dibenzo(a,h)anthracene	100	81.70		ug/L		82	36 - 146
Dibenzofuran	100	77.56		ug/L		78	44 - 114
2,4-Dichlorophenol	100	87.89		ug/L		88	44 - 131
2,6-Dichlorophenol	100	86.88		ug/L		87	41 - 131
Diethyl phthalate	100	84.19		ug/L		84	43 - 135
Dimethoate	44.8	35.51		ug/L		79	31 - 150
7,12-Dimethylbenz(a)anthracene	51.2	39.13		ug/L		76	47 - 129
3,3'-Dimethylbenzidine	51.2	14.91		ug/L		29	10 - 147
2,4-Dimethylphenol	100	74.96		ug/L		75	30 - 128
Dimethyl phthalate	100	82.29		ug/L		82	46 - 129
Di-n-butyl phthalate	100	79.09		ug/L		79	49 - 138
1,3-Dinitrobenzene	100	84.82		ug/L		85	36 - 147
4,6-Dinitro-2-methylphenol	200	212.9		ug/L		106	22 - 150
2,4-Dinitrophenol	200	175.7		ug/L		88	10 - 150
2,4-Dinitrotoluene	100	74.96		ug/L		75	48 - 136
2,6-Dinitrotoluene	100	81.03		ug/L		81	49 - 135
Di-n-octyl phthalate	100	49.30		ug/L		49	33 - 148
Dinoseb	51.2	56.22		ug/L		110	22 - 150
Disulfoton	44.8	33.02		ug/L		74	27 - 138
Ethyl methanesulfonate	51.2	33.32		ug/L		65	44 - 110
Ethyl Parathion	44.8	37.15		ug/L		83	52 - 141
Famphur	44.8	49.42		ug/L		110	67 - 150

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-473723/2-A
Matrix: Water
Analysis Batch: 474293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 473723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	100	84.97		ug/L		85	49 - 132
Fluorene	100	81.82		ug/L		82	46 - 118
Hexachlorobenzene	100	91.49		ug/L		91	42 - 134
Hexachlorobutadiene	100	69.82		ug/L		70	29 - 110
Hexachlorocyclopentadiene	100	51.41		ug/L		51	10 - 110
Hexachloroethane	100	55.12		ug/L		55	25 - 110
Hexachloropropene	51.2	12.09		ug/L		24	10 - 110
Indeno[1,2,3-cd]pyrene	100	75.92		ug/L		76	36 - 149
Isodrin	51.2	44.22		ug/L		86	50 - 122
Isophorone	100	77.15		ug/L		77	46 - 126
Methapyrilene	44.8	3.835	J *-	ug/L		9	10 - 110
3-Methylcholanthrene	51.2	41.31		ug/L		81	13 - 140
Methyl methanesulfonate	51.2	23.55		ug/L		46	16 - 110
2-Methylnaphthalene	100	70.76		ug/L		71	35 - 110
Methyl parathion	44.8	37.92		ug/L		85	49 - 150
2-Methylphenol	100	73.12		ug/L		73	47 - 114
Methylphenol, 3 & 4	100	69.94		ug/L		70	45 - 114
1,4-Naphthoquinone	51.2	33.92		ug/L		66	38 - 137
1-Naphthylamine	51.2	15.84		ug/L		31	10 - 110
2-Naphthylamine	51.2	28.45		ug/L		56	18 - 111
2-Nitroaniline	100	76.18		ug/L		76	48 - 135
3-Nitroaniline	100	73.33		ug/L		73	38 - 142
4-Nitroaniline	100	83.17		ug/L		83	33 - 141
Nitrobenzene	100	80.07		ug/L		80	42 - 123
5-Nitro-o-toluidine	51.2	44.32		ug/L		87	43 - 139
2-Nitrophenol	100	87.18		ug/L		87	36 - 144
4-Nitrophenol	200	93.74		ug/L		47	22 - 110
N-Nitrosodiethylamine	51.2	36.66		ug/L		72	51 - 116
N-Nitrosodimethylamine	100	63.97		ug/L		64	37 - 110
N-Nitrosodi-n-butylamine	51.2	39.10		ug/L		76	49 - 135
N-Nitrosodi-n-propylamine	100	74.97		ug/L		75	44 - 124
N-Nitrosodiphenylamine	100	83.09		ug/L		83	43 - 132
N-Nitrosomethylethylamine	51.2	35.31		ug/L		69	43 - 114
N-Nitrosopiperidine	51.2	41.76		ug/L		82	50 - 120
N-Nitrosopyrrolidine	51.2	39.12		ug/L		76	47 - 129
o,o',o''-Triethylphosphorothioate	44.8	33.05		ug/L		74	34 - 125
o-Toluidine	51.2	34.18		ug/L		67	19 - 128
p-Dimethylamino azobenzene	51.2	34.26		ug/L		67	45 - 133
Pentachlorobenzene	51.2	38.23		ug/L		75	27 - 112
Pentachloronitrobenzene	51.2	51.67		ug/L		101	45 - 132
Pentachlorophenol	200	159.1		ug/L		80	28 - 142
Phenacetin	51.2	37.13		ug/L		73	51 - 139
Phenanthrene	100	84.73		ug/L		85	48 - 126
Phenol	100	47.58		ug/L		48	29 - 110
1,4-phenylenediamine	51.2	<1.90	*-	ug/L		0.4	20 - 120
Phorate	44.8	37.60		ug/L		84	21 - 147
Pronamide	51.2	49.81		ug/L		97	52 - 135
Pyrene	100	90.51		ug/L		91	45 - 134
Pyridine	200	35.25		ug/L		18	10 - 110

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-473723/2-A
Matrix: Water
Analysis Batch: 474293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 473723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Safrole	44.8	30.05		ug/L		67	26 - 117
1,2,4,5-Tetrachlorobenzene	100	75.98		ug/L		76	35 - 110
2,3,4,6-Tetrachlorophenol	100	82.30		ug/L		82	32 - 142
Thionazin	44.8	36.22		ug/L		81	48 - 135
2,4,5-Trichlorophenol	100	84.61		ug/L		85	39 - 136
2,4,6-Trichlorophenol	100	89.44		ug/L		89	35 - 141
1,3,5-Trinitrobenzene	51.2	45.40		ug/L		89	26 - 150

Lab Sample ID: LCSD 310-473723/3-A
Matrix: Water
Analysis Batch: 473905

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 473723

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	100	79.63		ug/L		80	38 - 118	4	35
Acenaphthylene	100	81.35		ug/L		81	39 - 115	3	35
Acetophenone	100	78.20		ug/L		78	47 - 118	7	35
Anthracene	100	90.82		ug/L		91	49 - 127	5	35
Benzo[a]anthracene	100	89.54		ug/L		90	49 - 126	5	35
Benzo[a]pyrene	100	96.42		ug/L		96	44 - 133	3	35
Benzo[b]fluoranthene	100	98.90		ug/L		99	44 - 136	5	35
Benzo[g,h,i]perylene	100	105.0		ug/L		105	42 - 135	4	35
Benzo[k]fluoranthene	100	92.41		ug/L		92	49 - 134	4	35
Benzyl alcohol	100	77.44		ug/L		77	46 - 123	4	35
Bis(2-chloroethoxy)methane	100	85.09		ug/L		85	44 - 126	4	35
Bis(2-chloroethyl)ether	100	75.40		ug/L		75	41 - 116	8	35
bis (2-chloroisopropyl) ether	100	68.25		ug/L		68	36 - 115	5	35
Bis(2-ethylhexyl) phthalate	100	77.41		ug/L		77	46 - 138	2	35
4-Bromophenyl phenyl ether	100	94.78		ug/L		95	41 - 131	7	35
Butyl benzyl phthalate	100	83.08		ug/L		83	47 - 133	2	35
4-Chloroaniline	100	83.26		ug/L		83	13 - 143	3	35
4-Chloro-3-methylphenol	100	85.16		ug/L		85	51 - 132	4	35
2-Chloronaphthalene	100	81.82		ug/L		82	33 - 112	4	35
2-Chlorophenol	100	83.30		ug/L		83	43 - 119	9	35
4-Chlorophenyl phenyl ether	100	77.06		ug/L		77	44 - 118	3	35
Chrysene	100	93.21		ug/L		93	50 - 128	3	35
Dibenzo(a,h)anthracene	100	103.2		ug/L		103	36 - 146	2	35
Dibenzofuran	100	79.05		ug/L		79	44 - 114	1	35
2,4-Dichlorophenol	100	92.75		ug/L		93	44 - 131	3	35
2,6-Dichlorophenol	100	94.94		ug/L		95	41 - 131	7	35
Diethyl phthalate	100	77.41		ug/L		77	43 - 135	2	35
2,4-Dimethylphenol	100	88.85		ug/L		89	30 - 128	10	35
Dimethyl phthalate	100	83.92		ug/L		84	46 - 129	4	35
Di-n-butyl phthalate	100	81.83		ug/L		82	49 - 138	2	35
1,3-Dinitrobenzene	100	90.13		ug/L		90	36 - 147	1	35
4,6-Dinitro-2-methylphenol	200	215.1		ug/L		108	22 - 150	5	35
2,4-Dinitrophenol	200	157.1		ug/L		79	10 - 150	1	35
2,4-Dinitrotoluene	100	89.77		ug/L		90	48 - 136	1	35
2,6-Dinitrotoluene	100	93.78		ug/L		94	49 - 135	2	35
Di-n-octyl phthalate	100	71.65		ug/L		72	33 - 148	1	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-473723/3-A
Matrix: Water
Analysis Batch: 473905

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 473723

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoranthene			100	87.27		ug/L		87	49 - 132	1	35
Fluorene			100	77.61		ug/L		78	46 - 118	1	35
Hexachlorobenzene			100	101.0		ug/L		101	42 - 134	11	35
Hexachlorobutadiene			100	73.62		ug/L		74	29 - 110	6	35
Hexachlorocyclopentadiene			100	59.66		ug/L		60	10 - 110	4	35
Hexachloroethane			100	59.45		ug/L		59	25 - 110	4	35
Indeno[1,2,3-cd]pyrene			100	104.5		ug/L		105	36 - 149	4	35
Isophorone			100	87.38		ug/L		87	46 - 126	5	35
2-Methylnaphthalene			100	72.65		ug/L		73	35 - 110	5	35
2-Methylphenol			100	84.64		ug/L		85	47 - 114	11	35
Methylphenol, 3 & 4			100	80.86		ug/L		81	45 - 114	12	35
2-Nitroaniline			100	89.06		ug/L		89	48 - 135	2	35
3-Nitroaniline			100	90.35		ug/L		90	38 - 142	1	35
4-Nitroaniline			100	71.25		ug/L		71	33 - 141	12	35
Nitrobenzene			100	90.28		ug/L		90	42 - 123	8	35
2-Nitrophenol			100	108.5		ug/L		109	36 - 144	8	35
4-Nitrophenol			200	125.2		ug/L		63	22 - 110	23	35
N-Nitrosodimethylamine			100	70.18		ug/L		70	37 - 110	8	35
N-Nitrosodi-n-propylamine			100	78.26		ug/L		78	44 - 124	6	35
N-Nitrosodiphenylamine			100	94.13		ug/L		94	43 - 132	7	35
Pentachlorophenol			200	161.7		ug/L		81	28 - 142	7	35
Phenanthrene			100	90.14		ug/L		90	48 - 126	5	35
Phenol			100	77.20		ug/L		77	29 - 110	34	35
Pyrene			100	90.63		ug/L		91	45 - 134	4	35
Pyridine			200	3.527	J *- *1	ug/L		2	10 - 110	166	35
1,2,4,5-Tetrachlorobenzene			100	74.18		ug/L		74	35 - 110	4	35
2,3,4,6-Tetrachlorophenol			100	91.91		ug/L		92	32 - 142	1	35
2,4,5-Trichlorophenol			100	90.99		ug/L		91	39 - 136	3	35
2,4,6-Trichlorophenol			100	100.1		ug/L		100	35 - 141	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*86*		*33 - 126*
2-Fluorophenol (Surr)	*87*		*21 - 110*
Nitrobenzene-d5 (Surr)	*90*		*39 - 140*
Phenol-d5 (Surr)	*80*		*21 - 110*
Terphenyl-d14 (Surr)	*77*		*13 - 150*
2,4,6-Tribromophenol (Surr)	*96*		*20 - 144*

Lab Sample ID: LCSD 310-473723/3-A
Matrix: Water
Analysis Batch: 474293

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 473723

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			100	79.22		ug/L		79	38 - 118	0	35
Acenaphthylene			100	80.12		ug/L		80	39 - 115	4	35
Acetophenone			100	75.90		ug/L		76	47 - 118	5	35
2-Acetylaminofluorene			51.2	37.18		ug/L		73	37 - 149	19	26
4-Aminobiphenyl			51.2	29.14		ug/L		57	23 - 123	1	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-473723/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 474293
Prep Batch: 473723

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Anthracene	100	90.69		ug/L		91	49 - 127	0	35
Benzo[a]anthracene	100	86.41		ug/L		86	49 - 126	2	35
Benzo[a]pyrene	100	73.34		ug/L		73	44 - 133	9	35
Benzo[b]fluoranthene	100	77.68		ug/L		78	44 - 136	1	35
Benzo[g,h,i]perylene	100	86.73		ug/L		87	42 - 135	21	35
Benzo[k]fluoranthene	100	100.9		ug/L		101	49 - 134	18	35
Benzyl alcohol	100	73.74		ug/L		74	46 - 123	6	35
Bis(2-chloroethoxy)methane	100	83.10		ug/L		83	44 - 126	5	35
Bis(2-chloroethyl)ether	100	70.19		ug/L		70	41 - 116	2	35
bis (2-chloroisopropyl) ether	100	67.32		ug/L		67	36 - 115	6	35
Bis(2-ethylhexyl) phthalate	100	57.16		ug/L		57	46 - 138	6	35
4-Bromophenyl phenyl ether	100	91.68		ug/L		92	41 - 131	0	35
Butyl benzyl phthalate	100	78.22		ug/L		78	47 - 133	5	35
4-Chloroaniline	100	79.67		ug/L		80	13 - 143	8	35
Chlorobenzilate	51.2	45.90		ug/L		90	39 - 145	8	28
4-Chloro-3-methylphenol	100	89.83		ug/L		90	51 - 132	12	35
2-Chloronaphthalene	100	70.72		ug/L		71	33 - 112	3	35
2-Chlorophenol	100	77.34		ug/L		77	43 - 119	8	35
4-Chlorophenyl phenyl ether	100	81.63		ug/L		82	44 - 118	6	35
Chrysene	100	97.29		ug/L		97	50 - 128	9	35
Diallate	44.8	43.99		ug/L		98	40 - 135	3	29
Dibenzo(a,h)anthracene	100	88.73		ug/L		89	36 - 146	8	35
Dibenzofuran	100	81.96		ug/L		82	44 - 114	6	35
2,4-Dichlorophenol	100	93.99		ug/L		94	44 - 131	7	35
2,6-Dichlorophenol	100	96.19		ug/L		96	41 - 131	10	35
Diethyl phthalate	100	84.37		ug/L		84	43 - 135	0	35
Dimethoate	44.8	38.54		ug/L		86	31 - 150	8	35
7,12-Dimethylbenz(a)anthracene	51.2	39.16		ug/L		76	47 - 129	0	29
3,3'-Dimethylbenzidine	51.2	8.797	J *1	ug/L		17	10 - 147	52	35
2,4-Dimethylphenol	100	84.01		ug/L		84	30 - 128	11	35
Dimethyl phthalate	100	86.90		ug/L		87	46 - 129	5	35
Di-n-butyl phthalate	100	83.94		ug/L		84	49 - 138	6	35
1,3-Dinitrobenzene	100	91.71		ug/L		92	36 - 147	8	35
4,6-Dinitro-2-methylphenol	200	224.7		ug/L		112	22 - 150	5	35
2,4-Dinitrophenol	200	199.6		ug/L		100	10 - 150	13	35
2,4-Dinitrotoluene	100	85.06		ug/L		85	48 - 136	13	35
2,6-Dinitrotoluene	100	86.95		ug/L		87	49 - 135	7	35
Di-n-octyl phthalate	100	55.17		ug/L		55	33 - 148	11	35
Dinoseb	51.2	61.19		ug/L		120	22 - 150	8	35
Disulfoton	44.8	34.68		ug/L		77	27 - 138	5	32
Ethyl methanesulfonate	51.2	35.14		ug/L		69	44 - 110	5	30
Ethyl Parathion	44.8	39.56		ug/L		88	52 - 141	6	30
Famphur	44.8	54.16		ug/L		121	67 - 150	9	28
Fluoranthene	100	87.48		ug/L		87	49 - 132	3	35
Fluorene	100	84.63		ug/L		85	46 - 118	3	35
Hexachlorobenzene	100	92.42		ug/L		92	42 - 134	1	35
Hexachlorobutadiene	100	71.93		ug/L		72	29 - 110	3	35
Hexachlorocyclopentadiene	100	52.40		ug/L		52	10 - 110	2	35
Hexachloroethane	100	56.70		ug/L		57	25 - 110	3	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-473723/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 474293
Prep Batch: 473723

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachloropropene	51.2	13.37		ug/L		26	10 - 110	10	35
Indeno[1,2,3-cd]pyrene	100	79.77		ug/L		80	36 - 149	5	35
Isodrin	51.2	43.42		ug/L		85	50 - 122	2	28
Isophorone	100	86.40		ug/L		86	46 - 126	11	35
Methapyrilene	44.8	<0.760	*- *1	ug/L		0.8	10 - 110	166	35
3-Methylcholanthrene	51.2	46.93		ug/L		92	13 - 140	13	35
Methyl methanesulfonate	51.2	26.80		ug/L		52	16 - 110	13	28
2-Methylnaphthalene	100	76.12		ug/L		76	35 - 110	7	35
Methyl parathion	44.8	40.90		ug/L		91	49 - 150	8	29
2-Methylphenol	100	81.52		ug/L		82	47 - 114	11	35
Methylphenol, 3 & 4	100	78.14		ug/L		78	45 - 114	11	35
1,4-Naphthoquinone	51.2	38.47		ug/L		75	38 - 137	13	27
1-Naphthylamine	51.2	12.52		ug/L		24	10 - 110	23	35
2-Naphthylamine	51.2	27.68		ug/L		54	18 - 111	3	35
2-Nitroaniline	100	81.71		ug/L		82	48 - 135	7	35
3-Nitroaniline	100	79.21		ug/L		79	38 - 142	8	35
4-Nitroaniline	100	86.11		ug/L		86	33 - 141	3	35
Nitrobenzene	100	87.03		ug/L		87	42 - 123	8	35
5-Nitro-o-toluidine	51.2	49.98		ug/L		98	43 - 139	12	32
2-Nitrophenol	100	99.72		ug/L		100	36 - 144	13	35
4-Nitrophenol	200	140.5	*1	ug/L		70	22 - 110	40	35
N-Nitrosodiethylamine	51.2	39.73		ug/L		78	51 - 116	8	27
N-Nitrosodimethylamine	100	65.90		ug/L		66	37 - 110	3	35
N-Nitrosodi-n-butylamine	51.2	43.82		ug/L		86	49 - 135	11	28
N-Nitrosodi-n-propylamine	100	82.92		ug/L		83	44 - 124	10	35
N-Nitrosodiphenylamine	100	86.85		ug/L		87	43 - 132	4	35
N-Nitrosomethylethylamine	51.2	37.11		ug/L		72	43 - 114	5	29
N-Nitrosopiperidine	51.2	45.92		ug/L		90	50 - 120	9	26
N-Nitrosopyrrolidine	51.2	43.28		ug/L		85	47 - 129	10	31
o,o',o''-Triethylphosphorothioate	44.8	35.25		ug/L		79	34 - 125	6	33
o-Toluidine	51.2	28.47		ug/L		56	19 - 128	18	35
p-Dimethylamino azobenzene	51.2	34.94		ug/L		68	45 - 133	2	31
Pentachlorobenzene	51.2	39.60		ug/L		77	27 - 112	4	35
Pentachloronitrobenzene	51.2	49.51		ug/L		97	45 - 132	4	29
Pentachlorophenol	200	186.4		ug/L		93	28 - 142	16	35
Phenacetin	51.2	41.76		ug/L		82	51 - 139	12	29
Phenanthrene	100	87.22		ug/L		87	48 - 126	3	35
Phenol	100	68.17	*1	ug/L		68	29 - 110	36	35
1,4-phenylenediamine	51.2	<1.90	*-	ug/L		0.4	20 - 120	5	35
Phorate	44.8	38.07		ug/L		85	21 - 147	1	35
Pronamide	51.2	51.76		ug/L		101	52 - 135	4	28
Pyrene	100	94.97		ug/L		95	45 - 134	5	35
Pyridine	200	3.058	J *- *1	ug/L		2	10 - 110	168	35
Safrole	44.8	33.22		ug/L		74	26 - 117	10	35
1,2,4,5-Tetrachlorobenzene	100	77.35		ug/L		77	35 - 110	2	35
2,3,4,6-Tetrachlorophenol	100	90.17		ug/L		90	32 - 142	9	35
Thionazin	44.8	38.74		ug/L		86	48 - 135	7	30
2,4,5-Trichlorophenol	100	88.16		ug/L		88	39 - 136	4	35
2,4,6-Trichlorophenol	100	93.14		ug/L		93	35 - 141	4	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-473723/3-A
Matrix: Water
Analysis Batch: 474293

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 473723

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,3,5-Trinitrobenzene			51.2	47.53		ug/L		93	26 - 150	5	29

Method: 8151A - Herbicides (GC)

Lab Sample ID: LB 500-843175/1-F
Matrix: Water
Analysis Batch: 843799

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 843597

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<3.15		25.0	3.15	ug/L		11/18/25 07:09	11/18/25 17:58	1
Silvex (2,4,5-TP)	<2.63		25.0	2.63	ug/L		11/18/25 07:09	11/18/25 17:58	1
2,4,5-T	<3.50		25.0	3.50	ug/L		11/18/25 07:09	11/18/25 17:58	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*95*		*25 - 130*	*11/18/25 07:09*	*11/18/25 17:58*	*1*

Lab Sample ID: MB 500-843597/1-A
Matrix: Water
Analysis Batch: 843799

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 843597

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.126		1.00	0.126	ug/L		11/18/25 07:09	11/18/25 17:04	1
Silvex (2,4,5-TP)	<0.105		1.00	0.105	ug/L		11/18/25 07:09	11/18/25 17:04	1
2,4,5-T	<0.140		1.00	0.140	ug/L		11/18/25 07:09	11/18/25 17:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*100*		*25 - 130*	*11/18/25 07:09*	*11/18/25 17:04*	*1*

Lab Sample ID: LCS 500-843597/2-A
Matrix: Water
Analysis Batch: 843799

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 843597

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-D			10.0	9.422		ug/L		94	30 - 115
Silvex (2,4,5-TP)			2.50	2.509		ug/L		100	32 - 115
2,4,5-T			2.53	2.470		ug/L		98	30 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA	*109*		*25 - 130*

Lab Sample ID: LCSD 500-843597/3-A
Matrix: Water
Analysis Batch: 843799

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 843597

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D			10.0	10.44		ug/L		104	30 - 115	10	20
Silvex (2,4,5-TP)			2.50	2.791		ug/L		112	32 - 115	11	20
2,4,5-T			2.53	2.675		ug/L		106	30 - 115	8	20

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 500-843597/3-A
Matrix: Water
Analysis Batch: 843799

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 843597

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCAA	114		25 - 130

Lab Sample ID: 310-320279-C-1-C MS
Matrix: Water
Analysis Batch: 843799

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 843597

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-D	<3.15		250	214.3		ug/L		86	30 - 115
Silvex (2,4,5-TP)	<2.63		62.5	60.71		ug/L		97	32 - 115

Surrogate	MS %Recovery	MS Qualifier	Limits
DCAA	94		25 - 130

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-473632/1-A
Matrix: Water
Analysis Batch: 474577

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 473632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000530		0.00200	0.000530	mg/L		11/17/25 08:30	11/24/25 01:21	1
Barium	<0.000660		0.00200	0.000660	mg/L		11/17/25 08:30	11/24/25 01:21	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		11/17/25 08:30	11/24/25 01:21	1
Chromium	<0.00180		0.00500	0.00180	mg/L		11/17/25 08:30	11/24/25 01:21	1
Copper	<0.00320		0.00500	0.00320	mg/L		11/17/25 08:30	11/24/25 01:21	1
Lead	<0.000330		0.000500	0.000330	mg/L		11/17/25 08:30	11/24/25 01:21	1
Nickel	<0.00230		0.00500	0.00230	mg/L		11/17/25 08:30	11/24/25 01:21	1
Selenium	<0.00140		0.00500	0.00140	mg/L		11/17/25 08:30	11/24/25 01:21	1
Silver	<0.000500		0.00100	0.000500	mg/L		11/17/25 08:30	11/24/25 01:21	1

Lab Sample ID: MB 310-473632/1-A
Matrix: Water
Analysis Batch: 474730

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 473632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0500		0.100	0.0500	mg/L		11/17/25 08:30	11/24/25 15:01	1
Magnesium	<0.150		0.500	0.150	mg/L		11/17/25 08:30	11/24/25 15:01	1
Potassium	<0.170		0.500	0.170	mg/L		11/17/25 08:30	11/24/25 15:01	1
Zinc	<0.0130		0.0200	0.0130	mg/L		11/17/25 08:30	11/24/25 15:01	1

Lab Sample ID: LCS 310-473632/2-A
Matrix: Water
Analysis Batch: 474577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 473632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.1968		mg/L		98	80 - 120
Barium	0.100	0.09494		mg/L		95	80 - 120
Cadmium	0.100	0.09205		mg/L		92	80 - 120
Chromium	0.100	0.1010		mg/L		101	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 310-473632/2-A
Matrix: Water
Analysis Batch: 474577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 473632

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Copper			0.200	0.1987		mg/L		99	80 - 120		
Lead			0.200	0.2073		mg/L		104	80 - 120		
Nickel			0.200	0.1998		mg/L		100	80 - 120		
Selenium			0.400	0.3744		mg/L		94	80 - 120		
Silver			0.100	0.1310	*+	mg/L		131	80 - 120		

Lab Sample ID: LCS 310-473632/2-A
Matrix: Water
Analysis Batch: 474730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 473632

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron			0.200	0.2065		mg/L		103	80 - 120		
Magnesium			2.00	1.985		mg/L		99	80 - 120		
Potassium			2.00	2.047		mg/L		102	80 - 120		
Zinc			0.200	0.2091		mg/L		105	80 - 120		

Lab Sample ID: 310-320323-A-2-C MS
Matrix: Water
Analysis Batch: 474577

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 473632

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	<0.000530		0.200	0.1986		mg/L		99	75 - 125		
Barium	0.0578		0.100	0.1496		mg/L		92	75 - 125		
Cadmium	<0.000100		0.100	0.08199		mg/L		82	75 - 125		
Chromium	<0.00180		0.100	0.09615		mg/L		96	75 - 125		
Copper	0.0319		0.200	0.2178		mg/L		93	75 - 125		
Lead	<0.000330		0.200	0.1810		mg/L		91	75 - 125		
Nickel	<0.00230		0.200	0.1850		mg/L		92	75 - 125		
Selenium	<0.00140		0.400	0.3742		mg/L		94	75 - 125		
Silver	<0.000500	*+	0.100	0.1180		mg/L		118	75 - 125		

Lab Sample ID: 310-320323-A-2-C MS
Matrix: Water
Analysis Batch: 474730

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 473632

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron	0.293	F1	0.200	0.5379		mg/L		122	75 - 125		
Magnesium	139		2.00	145.5	4	mg/L		315	75 - 125		
Potassium	42.7		2.00	46.31	4	mg/L		181	75 - 125		
Zinc	0.0378	J	0.200	0.2270		mg/L		95	75 - 125		

Lab Sample ID: 310-320323-A-2-D MSD
Matrix: Water
Analysis Batch: 474577

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 473632

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	<0.000530		0.200	0.2027		mg/L		101	75 - 125	2	20
Barium	0.0578		0.100	0.1529		mg/L		95	75 - 125	2	20
Cadmium	<0.000100		0.100	0.08498		mg/L		85	75 - 125	4	20
Chromium	<0.00180		0.100	0.09988		mg/L		100	75 - 125	4	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-320323-A-2-D MSD
Matrix: Water
Analysis Batch: 474577

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 473632

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Copper	0.0319		0.200	0.2220		mg/L		95	75 - 125	2	20
Lead	<0.000330		0.200	0.1896		mg/L		95	75 - 125	5	20
Nickel	<0.00230		0.200	0.1896		mg/L		95	75 - 125	2	20
Selenium	<0.00140		0.400	0.3825		mg/L		96	75 - 125	2	20
Silver	<0.000500	*+	0.100	0.1203		mg/L		120	75 - 125	2	20

Lab Sample ID: 310-320323-A-2-D MSD
Matrix: Water
Analysis Batch: 474730

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 473632

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	0.293	F1	0.200	0.6378	F1	mg/L		172	75 - 125	17	20
Magnesium	139		2.00	149.2	4	mg/L		498	75 - 125	2	20
Potassium	42.7		2.00	46.99	4	mg/L		215	75 - 125	1	20
Zinc	0.0378	J	0.200	0.2398		mg/L		101	75 - 125	5	20

Lab Sample ID: 310-320337-A-2-B DU
Matrix: Water
Analysis Batch: 474577

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 473632

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<0.000530		<0.000530		mg/L		NC	20
Barium	0.106		0.1086		mg/L		2	20
Cadmium	<0.000100		<0.000100		mg/L		NC	20
Chromium	<0.00180		<0.00180		mg/L		NC	20
Copper	0.00346	J	0.003454	J	mg/L		0.1	20
Lead	<0.000330		<0.000330		mg/L		NC	20
Nickel	<0.00230		<0.00230		mg/L		NC	20
Selenium	<0.00140		<0.00140		mg/L		NC	20
Silver	<0.000500	*+	<0.000500	*+	mg/L		NC	20

Lab Sample ID: 310-320337-A-2-B DU
Matrix: Water
Analysis Batch: 474730

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 473632

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Iron	0.228		0.2261		mg/L		0.8	20
Magnesium	20.1		20.99		mg/L		4	20
Potassium	1.44		1.463		mg/L		2	20
Zinc	<0.0130		<0.0130		mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-474245/1-A
Matrix: Water
Analysis Batch: 474474

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 474245

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000110		0.000200	0.000110	mg/L		11/20/25 13:30	11/21/25 09:14	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 310-474245/2-A
Matrix: Water
Analysis Batch: 474474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 474245

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00167	0.001623		mg/L		97	80 - 120		

Lab Sample ID: 310-320324-B-1-F MS
Matrix: Water
Analysis Batch: 474474

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 474245

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.000110		0.00167	0.001695		mg/L		102	80 - 120		

Lab Sample ID: 310-320324-B-1-G MSD
Matrix: Water
Analysis Batch: 474474

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 474245

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000110		0.00167	0.001729		mg/L		104	80 - 120	2	20

Method: 2540E - Solids, Volatile and Fixed (VS)

Lab Sample ID: MB 310-473718/1
Matrix: Water
Analysis Batch: 473718

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Volatile Solids	<50.0		50.0	50.0	mg/L			11/13/25 10:03	1
Fixed Solids	<50.0		50.0	50.0	mg/L			11/13/25 10:03	1

Lab Sample ID: 310-320370-1 DU
Matrix: Wastewater
Analysis Batch: 473718

Client Sample ID: CRLCSWA1_Leachate_25_11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Volatile Solids	1510			1030	F3	mg/L				38	35
Fixed Solids	3880			4210		mg/L				8	35

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 310-474191/16
Matrix: Water
Analysis Batch: 474191

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	<0.120		0.500	0.120	mg/L			11/19/25 11:45	1

Lab Sample ID: LCS 310-474191/17
Matrix: Water
Analysis Batch: 474191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia as N			2.26	2.129		mg/L		94	90 - 110		

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 310-320287-A-2 MS
Matrix: Water
Analysis Batch: 474191

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	7.46	F1	2.50	9.470	F1	mg/L		80	90 - 110

Lab Sample ID: 310-320287-A-2 MSD
Matrix: Water
Analysis Batch: 474191

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	7.46	F1	2.50	9.500	F1	mg/L		82	90 - 110	0	20

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 310-473499/1-A
Matrix: Water
Analysis Batch: 473662

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 473499

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	0.8127	J	1.00	0.620	mg/L		11/14/25 05:02	11/14/25 13:48	1

Lab Sample ID: LCS 310-473499/2-A
Matrix: Water
Analysis Batch: 473662

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 473499

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Kjeldahl Nitrogen	4.01	3.990		mg/L		100	90 - 110

Lab Sample ID: 310-320409-A-1-B MS
Matrix: Water
Analysis Batch: 473662

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 473499

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Kjeldahl Nitrogen	38.0	F1 B	20.0	55.40	F1	mg/L		87	90 - 110

Lab Sample ID: 310-320409-A-1-C MSD
Matrix: Water
Analysis Batch: 473662

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 473499

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Kjeldahl Nitrogen	38.0	F1 B	20.0	59.13		mg/L		106	90 - 110	7	34

Method: 365.1 - Phosphorus, Ortho

Lab Sample ID: MB 310-473495/2-A
Matrix: Water
Analysis Batch: 473347

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Orthophosphate as P	<0.0300		0.100	0.0300	mg/L			11/12/25 18:52	1

Method: 365.1 - Phosphorus, Ortho (Continued)

Lab Sample ID: LCS 310-473495/1-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Dissolved
Analysis Batch: 473347

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Orthophosphate as P			1.78	1.745		mg/L		98	90 - 110		

Lab Sample ID: 310-320370-1 MS
Client Sample ID: CRLCSWA1_Leachate_25_11
Matrix: Wastewater
Prep Type: Dissolved
Analysis Batch: 473347

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Orthophosphate as P	1.66		0.399	2.140	E 4	mg/L		121	90 - 110		

Lab Sample ID: 310-320370-1 MSD
Client Sample ID: CRLCSWA1_Leachate_25_11
Matrix: Wastewater
Prep Type: Dissolved
Analysis Batch: 473347

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Orthophosphate as P	1.66		0.399	2.253	E 4	mg/L		149	90 - 110	5	17

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 310-474024/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 474177
Prep Batch: 474024

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	<0.0680		0.100	0.0680	mg/L		11/18/25 18:52	11/19/25 20:49	1
Phosphorus as PO4	<0.210		0.310	0.210	mg/L		11/18/25 18:52	11/19/25 20:49	1

Lab Sample ID: LCS 310-474024/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 474177
Prep Batch: 474024

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Phosphorus as P			0.999	0.9535		mg/L		95	90 - 110		

Lab Sample ID: 310-320616-B-1-C MS
Client Sample ID: Matrix Spike
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 474177
Prep Batch: 474024

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Phosphorus as P	0.772		0.999	1.746		mg/L		98	90 - 110		

Lab Sample ID: 310-320616-B-1-D MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 474177
Prep Batch: 474024

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Phosphorus as P	0.772		0.999	1.749		mg/L		98	90 - 110	0	14

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 310-474244/1-A
Matrix: Water
Analysis Batch: 474512

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 474244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.00350		0.0100	0.00350	mg/L		11/20/25 08:45	11/21/25 23:45	1

Lab Sample ID: LCS 310-474244/2-A
Matrix: Water
Analysis Batch: 474512

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 474244

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.200	0.1979		mg/L		99	90 - 110		

Lab Sample ID: 310-320612-B-1-B MS
Matrix: Water
Analysis Batch: 474512

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 474244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	<0.00350		0.200	0.2003		mg/L		100	63 - 122		

Lab Sample ID: 310-320612-B-1-C MSD
Matrix: Water
Analysis Batch: 474512

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 474244

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.00350		0.200	0.2015		mg/L		101	63 - 122	1	35

Method: 9040C - pH

Lab Sample ID: 310-320370-1 DU
Matrix: Wastewater
Analysis Batch: 473282

Client Sample ID: CRLCSWA1_Leachate_25_11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.16	HF		7.170		SU				0.1	20

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-473409/1
Matrix: Water
Analysis Batch: 473409

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<3.50		5.00	3.50	mg/L			11/13/25 10:53	1

Lab Sample ID: LCS 310-473409/2
Matrix: Water
Analysis Batch: 473409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			100	95.00		mg/L		95	82 - 117		

Method: I-3765-85 - Residue, Non-filterable (TSS) (Continued)

Lab Sample ID: 310-320369-A-2 DU
Matrix: Water
Analysis Batch: 473409

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	43.0			43.00		mg/L				0	35

Method: SM 2540B - Solids, Total

Lab Sample ID: MB 310-473397/1
Matrix: Water
Analysis Batch: 473397

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	<45.0		50.0	45.0	mg/L			11/13/25 10:03	1

Lab Sample ID: LCS 310-473397/2
Matrix: Water
Analysis Batch: 473397

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Solids			1000	1010		mg/L		101	89 - 118		

Lab Sample ID: 310-320370-1 DU
Matrix: Wastewater
Analysis Batch: 473397

Client Sample ID: CRLCSWA1_Leachate_25_11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Solids	5390			5240		mg/L				3	31

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 310-473902/1
Matrix: Water
Analysis Batch: 473902

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<36.0		50.0	36.0	mg/L			11/18/25 10:07	1

Lab Sample ID: LCS 310-473902/25
Matrix: Water
Analysis Batch: 473902

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	1046		mg/L		105	89 - 110		

Lab Sample ID: 310-320370-1 DU
Matrix: Wastewater
Analysis Batch: 473902

Client Sample ID: CRLCSWA1_Leachate_25_11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	4620			4610		mg/L				0.2	13

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 310-473495/2-A
Matrix: Water
Analysis Batch: 473489

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	<0.00690		0.0200	0.00690	mg/L			11/12/25 17:36	1

Lab Sample ID: LCS 310-473495/1-A
Matrix: Water
Analysis Batch: 473489

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (VI)	0.416	0.3743		mg/L		90	90 - 110

Lab Sample ID: 310-320370-1 MS
Matrix: Wastewater
Analysis Batch: 473496

Client Sample ID: CRLCSWA1_Leachate_25_11
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (VI)	<0.00690	F1	0.100	<0.00690	F1	mg/L		0	47 - 131

Lab Sample ID: 310-320370-1 MSD
Matrix: Wastewater
Analysis Batch: 473496

Client Sample ID: CRLCSWA1_Leachate_25_11
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium (VI)	<0.00690	F1	0.100	<0.00690	F1	mg/L		0	47 - 131	NC	35

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 310-474003/46
Matrix: Water
Analysis Batch: 474003

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.40		2.00	1.40	mg/L			11/18/25 13:11	1

Lab Sample ID: LCS 310-474003/47
Matrix: Water
Analysis Batch: 474003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.19		mg/L		102	90 - 110

Lab Sample ID: 310-320281-B-1 MS
Matrix: Water
Analysis Batch: 474003

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	85.1		10.0	86.26	4	mg/L		11	26 - 120

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: 310-320281-B-1 MSD
Matrix: Water
Analysis Batch: 474003

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	85.1		10.0	86.15	4	mg/L		10	26 - 120	0	10

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 310-473352/1
Matrix: Water
Analysis Batch: 473352

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonaceous Biochemical Oxygen Demand	<3.00		3.00	3.00	mg/L			11/13/25 05:54	1

Lab Sample ID: LCS 310-473352/2
Matrix: Water
Analysis Batch: 473352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbonaceous Biochemical Oxygen Demand	198	203.2		mg/L		103	76 - 126

Lab Sample ID: 310-320369-A-1 DU
Matrix: Water
Analysis Batch: 473352

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Carbonaceous Biochemical Oxygen Demand	9.94		11.69		mg/L		16	30

Method: SM 5220D - COD

Lab Sample ID: MB 310-474159/32
Matrix: Water
Analysis Batch: 474159

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<4.60		5.00	4.60	mg/L			11/19/25 14:45	1

Lab Sample ID: LCS 310-474159/33
Matrix: Water
Analysis Batch: 474159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	62.7	59.40		mg/L		95	85 - 115

Lab Sample ID: 310-320340-A-2 MS
Matrix: Water
Analysis Batch: 474159

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	1160		1000	2175		mg/L		101	84 - 141

Method: SM 5220D - COD (Continued)

Lab Sample ID: 310-320340-A-2 MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 474159

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	1160		1000	2414		mg/L		125	84 - 141	10	14

GC/MS VOA

Analysis Batch: 473627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	8260D	
MB 310-473627/5	Method Blank	Total/NA	Water	8260D	
LCS 310-473627/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-473627/7	Lab Control Sample	Total/NA	Water	8260D	
310-320388-D-4 MS	Matrix Spike	Total/NA	Water	8260D	
310-320388-D-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 473791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	8260D	
MB 310-473791/5	Method Blank	Total/NA	Water	8260D	
LCS 310-473791/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-473791/7	Lab Control Sample	Total/NA	Water	8260D	
310-320470-E-2 MS	Matrix Spike	Total/NA	Water	8260D	
310-320470-E-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 473723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	3510C	
MB 310-473723/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-473723/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-473723/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 473905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	8270E	473723
MB 310-473723/1-A	Method Blank	Total/NA	Water	8270E	473723
LCS 310-473723/2-A	Lab Control Sample	Total/NA	Water	8270E	473723
LCSD 310-473723/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	473723

Analysis Batch: 474293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	8270E	473723
MB 310-473723/1-A	Method Blank	Total/NA	Water	8270E	473723
LCS 310-473723/2-A	Lab Control Sample	Total/NA	Water	8270E	473723
LCSD 310-473723/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	473723

GC Semi VOA

Prep Batch: 473789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	3511	

Analysis Batch: 475467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	8081B	473789

Analysis Batch: 475468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	8082A	473789

GC Semi VOA

Leach Batch: 843175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 500-843175/1-F	Method Blank	Total/NA	Water	1311	
310-320279-C-1-C MS	Matrix Spike	TCLP	Water	1311	

Prep Batch: 843597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	8151A	
LB 500-843175/1-F	Method Blank	Total/NA	Water	8151A	843175
MB 500-843597/1-A	Method Blank	Total/NA	Water	8151A	
LCS 500-843597/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 500-843597/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	
310-320279-C-1-C MS	Matrix Spike	TCLP	Water	8151A	843175

Analysis Batch: 843799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	8151A	843597
LB 500-843175/1-F	Method Blank	Total/NA	Water	8151A	843597
MB 500-843597/1-A	Method Blank	Total/NA	Water	8151A	843597
LCS 500-843597/2-A	Lab Control Sample	Total/NA	Water	8151A	843597
LCSD 500-843597/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	843597
310-320279-C-1-C MS	Matrix Spike	TCLP	Water	8151A	843597

Metals

Prep Batch: 473632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	3005A	
MB 310-473632/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-473632/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-320323-A-2-C MS	Matrix Spike	Total/NA	Water	3005A	
310-320323-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	
310-320337-A-2-B DU	Duplicate	Total/NA	Water	3005A	

Prep Batch: 474245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	7470A	
MB 310-474245/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-474245/2-A	Lab Control Sample	Total/NA	Water	7470A	
310-320324-B-1-F MS	Matrix Spike	Total/NA	Water	7470A	
310-320324-B-1-G MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 474474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	7470A	474245
MB 310-474245/1-A	Method Blank	Total/NA	Water	7470A	474245
LCS 310-474245/2-A	Lab Control Sample	Total/NA	Water	7470A	474245
310-320324-B-1-F MS	Matrix Spike	Total/NA	Water	7470A	474245
310-320324-B-1-G MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	474245

Analysis Batch: 474577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	6020B	473632

Metals (Continued)

Analysis Batch: 474577 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-473632/1-A	Method Blank	Total/NA	Water	6020B	473632
LCS 310-473632/2-A	Lab Control Sample	Total/NA	Water	6020B	473632
310-320323-A-2-C MS	Matrix Spike	Total/NA	Water	6020B	473632
310-320323-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	473632
310-320337-A-2-B DU	Duplicate	Total/NA	Water	6020B	473632

Analysis Batch: 474730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	6020B	473632
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	6020B	473632
MB 310-473632/1-A	Method Blank	Total/NA	Water	6020B	473632
LCS 310-473632/2-A	Lab Control Sample	Total/NA	Water	6020B	473632
310-320323-A-2-C MS	Matrix Spike	Total/NA	Water	6020B	473632
310-320323-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	6020B	473632
310-320337-A-2-B DU	Duplicate	Total/NA	Water	6020B	473632

General Chemistry

Analysis Batch: 473282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	9040C	
LCS 310-473282/41	Lab Control Sample	Total/NA	Water	9040C	
310-320370-1 DU	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	9040C	

Analysis Batch: 473347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Dissolved	Wastewater	365.1	473495
MB 310-473495/2-A	Method Blank	Dissolved	Water	365.1	473495
LCS 310-473495/1-A	Lab Control Sample	Dissolved	Water	365.1	473495
310-320370-1 MS	CRLCSWA1_Leachate_25_11	Dissolved	Wastewater	365.1	473495
310-320370-1 MSD	CRLCSWA1_Leachate_25_11	Dissolved	Wastewater	365.1	473495

Analysis Batch: 473352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	SM 5210B	
USB 310-473352/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 310-473352/2	Lab Control Sample	Total/NA	Water	SM 5210B	
310-320369-A-1 DU	Duplicate	Total/NA	Water	SM 5210B	

Analysis Batch: 473397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	SM 2540B	
MB 310-473397/1	Method Blank	Total/NA	Water	SM 2540B	
LCS 310-473397/2	Lab Control Sample	Total/NA	Water	SM 2540B	
310-320370-1 DU	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	SM 2540B	

Analysis Batch: 473409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	I-3765-85	
MB 310-473409/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-473409/2	Lab Control Sample	Total/NA	Water	I-3765-85	

General Chemistry (Continued)

Analysis Batch: 473409 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320369-A-2 DU	Duplicate	Total/NA	Water	I-3765-85	

Analysis Batch: 473489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-473495/2-A	Method Blank	Dissolved	Water	SM 3500 CR B	473495
LCS 310-473495/1-A	Lab Control Sample	Dissolved	Water	SM 3500 CR B	473495

Filtration Batch: 473495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Dissolved	Wastewater	Filtration	
MB 310-473495/2-A	Method Blank	Dissolved	Water	Filtration	
LCS 310-473495/1-A	Lab Control Sample	Dissolved	Water	Filtration	
310-320370-1 MS	CRLCSWA1_Leachate_25_11	Dissolved	Wastewater	Filtration	
310-320370-1 MSD	CRLCSWA1_Leachate_25_11	Dissolved	Wastewater	Filtration	

Analysis Batch: 473496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Dissolved	Wastewater	SM 3500 CR B	473495
310-320370-1 MS	CRLCSWA1_Leachate_25_11	Dissolved	Wastewater	SM 3500 CR B	473495
310-320370-1 MSD	CRLCSWA1_Leachate_25_11	Dissolved	Wastewater	SM 3500 CR B	473495

Prep Batch: 473499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	351.2	
MB 310-473499/1-A	Method Blank	Total/NA	Water	351.2	
LCS 310-473499/2-A	Lab Control Sample	Total/NA	Water	351.2	
310-320409-A-1-B MS	Matrix Spike	Total/NA	Water	351.2	
310-320409-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	351.2	

Analysis Batch: 473662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	351.2	473499
MB 310-473499/1-A	Method Blank	Total/NA	Water	351.2	473499
LCS 310-473499/2-A	Lab Control Sample	Total/NA	Water	351.2	473499
310-320409-A-1-B MS	Matrix Spike	Total/NA	Water	351.2	473499
310-320409-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	351.2	473499

Analysis Batch: 473718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	2540E	
MB 310-473718/1	Method Blank	Total/NA	Water	2540E	
310-320370-1 DU	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	2540E	

Analysis Batch: 473805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	353.2	

Analysis Batch: 473902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	SM 2540C	
MB 310-473902/1	Method Blank	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 473902 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-473902/25	Lab Control Sample	Total/NA	Water	SM 2540C	
310-320370-1 DU	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	SM 2540C	

Analysis Batch: 474003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	SM 4500 Cl- E	
MB 310-474003/46	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 310-474003/47	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
310-320281-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
310-320281-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Prep Batch: 474024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	365.2/365.3/365	
MB 310-474024/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 310-474024/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
310-320616-B-1-C MS	Matrix Spike	Total/NA	Water	365.2/365.3/365	
310-320616-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 474159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	SM 5220D	
MB 310-474159/32	Method Blank	Total/NA	Water	SM 5220D	
LCS 310-474159/33	Lab Control Sample	Total/NA	Water	SM 5220D	
310-320340-A-2 MS	Matrix Spike	Total/NA	Water	SM 5220D	
310-320340-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 5220D	

Analysis Batch: 474177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	365.1	474024
MB 310-474024/1-A	Method Blank	Total/NA	Water	365.1	474024
LCS 310-474024/2-A	Lab Control Sample	Total/NA	Water	365.1	474024
310-320616-B-1-C MS	Matrix Spike	Total/NA	Water	365.1	474024
310-320616-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	365.1	474024

Analysis Batch: 474191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	350.1	
MB 310-474191/16	Method Blank	Total/NA	Water	350.1	
LCS 310-474191/17	Lab Control Sample	Total/NA	Water	350.1	
310-320287-A-2 MS	Matrix Spike	Total/NA	Water	350.1	
310-320287-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1	

Prep Batch: 474244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	9012B	
MB 310-474244/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-474244/2-A	Lab Control Sample	Total/NA	Water	9012B	
310-320612-B-1-B MS	Matrix Spike	Total/NA	Water	9012B	
310-320612-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	

QC Association Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-320370-1
Project/Site: CRLCSWA 1 - Leachate

General Chemistry

Analysis Batch: 474512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320370-1	CRLCSWA1_Leachate_25_11	Total/NA	Wastewater	9012B	474244
MB 310-474244/1-A	Method Blank	Total/NA	Water	9012B	474244
LCS 310-474244/2-A	Lab Control Sample	Total/NA	Water	9012B	474244
310-320612-B-1-B MS	Matrix Spike	Total/NA	Water	9012B	474244
310-320612-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	474244

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-320370-1
Project/Site: CRLCSWA 1 - Leachate

Client Sample ID: CRLCSWA1_Leachate_25_11
Lab Sample ID: 310-320370-1
Date Collected: 11/12/25 11:30
Matrix: Wastewater
Date Received: 11/12/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	473627	FE5V	EET CF	11/15/25 09:11
Total/NA	Analysis	8260D		1	473791	FE5V	EET CF	11/17/25 15:33
Total/NA	Prep	3510C			473723	J5BR	EET CF	11/17/25 07:50
Total/NA	Analysis	8270E		1	474293	V7YZ	EET CF	11/20/25 23:12
Total/NA	Prep	3510C			473723	J5BR	EET CF	11/17/25 07:50
Total/NA	Analysis	8270E		1	473905	V7YZ	EET CF	11/18/25 21:39
Total/NA	Prep	3511			473789	BW2O	EET CF	11/17/25 12:41
Total/NA	Analysis	8081B		1	475467	BW2O	EET CF	12/03/25 18:02
Total/NA	Prep	3511			473789	BW2O	EET CF	11/17/25 12:41
Total/NA	Analysis	8082A		1	475468	BW2O	EET CF	12/03/25 18:02
Total/NA	Prep	8151A			843597	CI	EET CHI	11/18/25 07:09
Total/NA	Analysis	8151A		5	843799	H7CM	EET CHI	11/18/25 21:14
Total/NA	Prep	3005A			473632	RLT9	EET CF	11/17/25 08:30
Total/NA	Analysis	6020B		1	474577	ZRI4	EET CF	11/24/25 02:26
Total/NA	Prep	3005A			473632	RLT9	EET CF	11/17/25 08:30
Total/NA	Analysis	6020B		1	474730	NFT2	EET CF	11/24/25 15:50
Total/NA	Prep	3005A			473632	RLT9	EET CF	11/17/25 08:30
Total/NA	Analysis	6020B		4	474730	NFT2	EET CF	11/24/25 15:52
Total/NA	Prep	7470A			474245	RLT9	EET CF	11/20/25 13:30
Total/NA	Analysis	7470A		1	474474	RLT9	EET CF	11/21/25 09:28
Total/NA	Analysis	2540E		1	473718	DGU1	EET CF	11/13/25 10:03
Total/NA	Analysis	350.1		100	474191	WZC8	EET CF	11/19/25 13:24
Total/NA	Prep	351.2			473499	W9YR	EET CF	11/14/25 05:02
Total/NA	Analysis	351.2		10	473662	ENB7	EET CF	11/14/25 14:43
Total/NA	Analysis	353.2		1	473805	HE7K	EET CF	11/12/25 18:28
Dissolved	Filtration	Filtration			473495	ZJX4	EET CF	11/12/25 17:00
Dissolved	Analysis	365.1		1	473347	ZJX4	EET CF	11/12/25 18:52
Total/NA	Prep	365.2/365.3/365			474024	T5AC	EET CF	11/18/25 18:52
Total/NA	Analysis	365.1		1	474177	ZJX4	EET CF	11/19/25 20:54
Total/NA	Prep	9012B			474244	ENB7	EET CF	11/20/25 08:45
Total/NA	Analysis	9012B		1	474512	ZJX4	EET CF	11/21/25 23:56
Total/NA	Analysis	9040C		1	473282	W9YR	EET CF	11/12/25 17:59
Total/NA	Analysis	I-3765-85		1	473409	DGU1	EET CF	11/13/25 10:53
Total/NA	Analysis	SM 2540B		1	473397	DGU1	EET CF	11/13/25 10:03
Total/NA	Analysis	SM 2540C		1	473902	TGN5	EET CF	11/18/25 10:07
Dissolved	Filtration	Filtration			473495	ZJX4	EET CF	11/12/25 17:00
Dissolved	Analysis	SM 3500 CR B		1	473496	ZJX4	EET CF	11/12/25 17:37
Total/NA	Analysis	SM 4500 Cl- E		100	474003	WZC8	EET CF	11/18/25 14:17
Total/NA	Analysis	SM 5210B		1	473352	W9YR	EET CF	11/13/25 06:25
Total/NA	Analysis	SM 5220D		50	474159	ENB7	EET CF	11/19/25 14:45

Lab Chronicle

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-320370-1
Project/Site: CRLCSWA 1 - Leachate

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Accreditation/Certification Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-320370-1
Project/Site: CRLCSWA 1 - Leachate

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25 *

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540E		Wastewater	Fixed Solids
365.1	365.2/365.3/365	Wastewater	Phosphorus as PO4
8082A	3511	Wastewater	PCB-1268
8260D		Wastewater	1,2,3-Trichlorobenzene
8260D		Wastewater	1,2,4-Trichlorobenzene
8260D		Wastewater	2-Chloroethyl vinyl ether
8260D		Wastewater	Bromobenzene
8260D		Wastewater	Hexane
8260D		Wastewater	p-Isopropyltoluene
8260D		Wastewater	sec-Butylbenzene
8260D		Wastewater	tert-Butylbenzene
8270E	3510C	Wastewater	Benzoic acid
8270E	3510C	Wastewater	Pyridine

Laboratory: Eurofins Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8151A	8151A	Wastewater	2,4,5-T

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Foth Infrastructure & Environment, LLC
Job ID: 310-320370-1
Project/Site: CRLCSWA 1 - Leachate

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
8151A	Herbicides (GC)	SW846	EET CHI
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
2540E	Solids, Volatile and Fixed (VS)	SM	EET CF
350.1	Nitrogen, Ammonia	EPA	EET CF
351.2	Nitrogen, Total Kjeldahl	EPA	EET CF
353.2	Nitrogen, Nitrate (Calculation)	EPA	EET CF
365.1	Phosphorus, Ortho	EPA	EET CF
365.1	Phosphorus, Total	EPA	EET CF
9012B	Cyanide, Total andor Amenable	SW846	EET CF
9040C	pH	SW846	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
SM 2540B	Solids, Total	SM	EET CF
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CF
SM 3500 CR B	Chromium, Hexavalent	SM	EET CF
SM 4500 Cl- E	Chloride, Total	SM	EET CF
SM 5210B	BOD, 5-Day	SM	EET CF
SM 5220D	COD	SM	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
351.2	Nitrogen, Total Kjeldahl	EPA	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
365.2/365.3/365	Phosphorus, Total	EPA	EET CF
5030B	Purge and Trap	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	EET CHI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CF
Filtration	Sample Filtration	None	EET CF

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

eurofins | Environment Testing America

310-320370 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Foth- I+E

City/State. CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 11/12/25 | TIME 1630 | Received By: JR

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No *If yes.* Cooler ID:

Multiple Coolers? ☐ Yes ☑ No *If yes* Cooler # _____ of _____

Cooler Custody Seals Present? ☑ Yes ☐ No *If yes* Cooler custody seals intact? ☑ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☑ No *If yes* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other. _____ ☐ NONE

Thermometer ID: B3 | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C) 0.7 | Corrected Temp (°C) 0.7

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used		
Uncorrected Temp (°C):		
Corrected Temp (°C).		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Chain of Custody Record

652364

eurofins | Environment Testing America

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: G. Wilmipg/H, Dubbs	Site Contact: Randy Gavin	Date: 11/12/25	COC No —
Company Name Fehr I + E	Tel/Email: Gina.Wilmipg@fehrgraham.com	Lab Contact: Connor	Carrier: Eurofins Courier	1 of 1 COCs
Address 411 6th Avenue SE Ste 400	Analysis Turnaround Time			Sampler: Randy Gavin
City/State/Zip Cedar Rapids, IA 52401	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone 319-365-9565	TAT if different from Below _____			Walk-in Client:
Fax. 319-365-9631	☐ 2 weeks			Lab Sampling
Project Name CRLCSWA 1 - Leachate	☐ 1 week			
Site Cedar Rapids, IA	☐ 2 days			Job / SDG No
PO# 25C051.00	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes
CRLCSWA1-Site#16-Leachate-25-11	11/12/25	11:30	G	WW	17	N	N	See Attached Parameter Sheets

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	O.A. Test Svcs	11/12/25 12:30			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time 11/12/25 1653

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12/4/2025

STATE OF IOWA

TERRY E. BRANSTAD, GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
LARRY J. WILSON, DIRECTOR

EXHIBIT B

SANITARY LANDFILL LEACHATE SAMPLING GUIDELINE 10-26-93

Legend: * = TCLP Test Parameter
Parameters per IAC 103.2(4)

1. Conventional Pollutants

Method of Analysis: EPA SW-846

Carbonaceous Biochemical Oxygen Demand
Chemical Oxygen Demand
Ammonia Nitrogen
Nitrate as NO_3^-
Total Kjeldahl Nitrogen
Chloride
pH
Phosphate (Total)
Phosphorus
Total Dissolved Solids
Total Suspended Solids
Total Volatile Solids

2. Total Metals

Method of Analysis: EPA SW-846

*Arsenic
*Barium
*Cadmium
*Chromium
Chromium +6
Copper
Cyanide
Iron
*Lead
Magnesium
*Mercury
Nickel
Potassium
*Selenium
*Silver
Zinc

3. Volatile Compounds

Method of Analysis: EPA Wastewater Method 624 or EPA SW-846

*Benzene
Bromodichloromethane
Bromoform

WALLACE STATE OFFICE BUILDING / DES MOINES, IOWA 50319 / 515-281-5145 / TDD 515-242-5967 / FAX 515-281-8895

Bromomethane (methyl bromide)
*Carbon Tetrachloride
*Chlorobenzene
Chloroethane (ethyl chloride)
2-Chloroethyl Vinyl Ether
*Chloroform
Chloromethane (methyl chloride)
Dibromochloromethane
1,1-Dichloroethane
*1,2-Dichloroethane
*1,1-Dichloroethene (1,1-dichloroethylene)
1,2-Dichloroethene (1,2-dichloroethylene)
1,2-Dichloropropane
1,3-Dichloropropene (1,3-dichloropropylene)
Ethyl Benzene
*Methyl Ethyl Ketone
Methylene Chloride (dichloromethane)
*Pyridine
Toluene
1,1,2,2-Tetrachloroethane
*Tetrachloroethene (tetrachloroethylene)
1,1,1-Trichloroethane (methyl chloroform)
1,1,2-Trichloroethane
*Trichloroethene (trichloroethylene)
*Vinyl Chloride
Xylenes (Total)

4. Chlorinated Hydrocarbon Pesticides

Method of Analysis: EPA Wastewater Method 608 or EPA SW-846

Aldrin
Alpha-BHC
Beta-BHC
Delta-BHC
*Gamma-BHC (Lindane)
*Chlordane
*2,4,-D
4,4'-DDE
4,4'-DDD
4,4'DDT
Dieldrin
Endosulfan I
Endosulfan II
Endosulfan Sulfate
*Endrin
Endrin Aldehyde
*Heptachlor
Heptachlor Epoxide
*Methoxychlor
*Toxaphene
*2,4,5-TP (Silvex)

5. Polychlorinated Biphenyl Mixtures

Method of Analysis: EPA Wastewater Method 608 or EPA SW-846

Arochlor®-1016
Arochlor®-1221
Arochlor®-1232
Arochlor®-1242
Arochlor®-1248
Arochlor®-1254
Arochlor®-1260

Polychlorinated Biphenyls (PCB's) (Total)

6. Acid Fraction

Method of Analysis: EPA Wastewater Method 625 or EPA SW-846

Benzoic Acid
2-Chlorophenol
4-Chloro-3-Methylphenol (p-chloro-m-cresol)
2,4-Dichlorophenol
2,4-Dimethylphenol (xylenol)
2,4-Dinitrophenol
4,6-Dinitrophenol
4,6-Dinitro-2-Methylphenol
*2-Methylphenol (o-cresol)
*3-Methylphenol (m-cresol)
*4-Methylphenol (p-cresol)
*Cresols (Total)
2-Nitrophenol
4-Nitrophenol
*Pentachlorophenol
*2,4,5-Trichlorophenol
*2,4,6-Trichlorophenol

7. Base/Neutral Fraction

Method of Analysis: EPA Wastewater Method 625 or EPA SW-846

Acenaphthalyene
Acenaphthene
Anthracene
Benz (a) Anthracene
Benzo (a) Pyrene
Benzo (b) Fluoranthene
Benzo (k) Fluoranthene

Benzo (g,h,i) Perylene
Benzyl Alcohol
Bis (2-Chloroethoxy) methane
Bis (2-Chloroethyl) ether
Bis (2-Chloroisopropyl) ether
Bis (2-Ethylhexyl) Phthalate
4-Bromophenyl Phenyl Ether
Butyl Benzyl Phthalate
4-Chloroanaline
2-Chloronaphthalene
4-Chlorophenyl Phenyl Ether
Chrysene
Dibenz (ah) Anthracene
Dibenzofuran
Di-n-Butyl-Phthalate
Di-n-Octyl Phthalate
1,2-Dichlorobenzene
1,3-Dichlorobenzene
*1,4-Dichlorobenzene
3,3'-Dichlorobenzidine
Diethyl Phthalate
Dimethyl Phthalate
*2,4-Dinitrotoluene
2,6-Dinitrotoluene
Fluoranthene
Fluorene
*Hexachlorobenzene
*Hexachlorobutadiene (Hexachloro-1,3-butadiene)
*Hexachloroethane
Hexachlorocyclopentadiene
Indeno (1,2,3-cd) Pyrene
Isophorone
2-Methylnaphthalene
Naphthalene
2-Nitroanaline
3-Nitroanaline
4-Nitroanaline
*Nitrobenzene
N-Nitroso-Dipropylamine
N-Nitrosodiphenylamine
Phenanthrene
Pyrene
1,2,4-Trichlorobenzene

Polynuclear Aromatic Hydrocarbons (PAH's) (Total)

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319 277-2401 Fax 319-277-2425

Chain of Custody Record

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-89001 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et eurofinsus com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State Program - Iowa		Job #: 310-320370-1
Address: 18410 Crossing Drive Suite E,	Due Date Requested: 11/25/2025			
City: Tinley Park	TAT Requested (days): N/A			
State Zip: IL 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: CRLCSWA 1 - Leachate	Project #: 31009776			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes

310-320370 COC

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A/8151A_AP_LVIDefault List	Total Number of containers	Special Instructions/Note.
			Preservation Code						
CRLCSWA1_Leachate_25_11 (310-320370-1)	11/12/25	11 30 Central	G	Water			X	2	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	11/13/25 1445		Stephanie Hernandez	11/14/25 0910	EETA
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		1.6+1.6

V 10 10 2024

Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-320370-1
SDG Number:

Login Number: 320370
List Number: 1
Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Foth Infrastructure & Environment, LLC

Job Number: 310-320370-1
SDG Number:

Login Number: 320370
List Number: 2
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago
List Creation: 11/14/25 12:54 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	